SADDLEBACK COLLEGE

CATALOG

2026-2027

Saddleback College

2026-2027 Spring Addendum

Volume LVIII
Effective January 2, 2027
First Published September 22, 2026 *(Initial Publish [v1.0])*

Saddleback College
28000 Marguerite Parkway • Mission Viejo, California 92692 • (949) 582-4500
www.saddleback.edu

Saddleback College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 428 J Street, Suite 400, Sacramento, CA 95814, (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: www.accjc.org.

Saddleback College prohibits discrimination on the basis of race, color, religion, national origin, age, disability, sexual orientation, marital status, or pregnancy in the administration of its educational policies, personnel practices, and college programs. The college, by law, cannot engage in any such discriminatory activity. Grievance procedures exist for students, employees, and job applicants. Information regarding formal complaints is on file in the office of the Vice Chancellor for Human Resources and the office of the Vice President for Student Services which maintains grievance procedure information for students. Any questions concerning discrimination may be directed to Dr. Jennifer LaBounty, who is the Vice President for Student Services at Saddleback College and also serves as its Title IX Officer. She is located at 28000 Marguerite Parkway, Mission Viejo, CA 92692, and can be reached at (949) 582-4566.

Saddleback College has made every reasonable effort to ensure that the information published in this catalog accurately reflects current legislation, information, policies, and fees. However, these are subject to modification at any time, without notice, in order to accommodate changes in the resources or educational plans of the district, or for reasons deemed appropriate by the college president or designee.

Nota: La información para las personas que hablan Español se encuentra en la Información en Español de este catalogo.

Publication Version History

Version Number	Version Date	Description of Changes/Modifications/Revisions
1.0	2026-09-22	Initial publish.

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What's New for Spring 2027

New Programs

- COMMUNITY MUSIC TEACHING - Certificate of Achievement

Revised Programs

- ACCOUNTING - A.S. Degree
- ACCOUNTING - Certificate of Achievement
- Cal-GETC - Certificate of Achievement
- COMPUTERIZED ACCOUNTING SPECIALIST - A.S. Degree
- COMPUTERIZED ACCOUNTING SPECIALIST - Certificate of Achievement
- CYBERSECURITY/INFORMATION SECURITY ANALYST - Certificate of Achievement
- LICENSED VOCATIONAL NURSE (LVN) TO REGISTERED NURSE (RN) 30-UNIT OPTION - Certificate of Achievement
- NUTRITION - A.S. Degree
- NUTRITION - Certificate of Achievement

New Courses

- ACCT 209 - ACCOUNTING APPLICATIONS: QUICKBOOKS
- AEWD 790NC - COOPERATIVE LEADERSHIP SKILLS
- AEWD 791NC - SOCIAL COMPETENCE AND COMMUNITY ENGAGEMENT
- CIMS 153 - COMPTIA PENTEST+
- MUS 280 - INTRODUCTION TO COMMUNITY MUSIC TEACHING
- MUS 281 - PRIVATE STUDIO PEDAGOGY & BUSINESS PRACTICES
- MUS 282 - GROUP MUSIC INSTRUCTION METHODS
- NUTR 106 - CULTURAL ASPECTS OF FOOD AND NUTRITION
- NUTR 208 - MOTIVATIONAL INTERVIEWING FOR NUTRITION PROFESSIONALS

Revised Courses

- CHEM 1A - GENERAL CHEMISTRY

2026-2027 Academic Calendar

FALL SEMESTER 2026	
Instruction begins	August 17
Labor Day observance - classes not in session	September 7
Mid-semester (2nd 8-Week Session) instruction begins	October 19
Last day to petition for Fall graduation	November 1
Faculty contractual day - classes not in session	November 10
Veterans Day observance - classes not in session	November 11
Thanksgiving observance - classes not in session	November 26-29
Last day of semester	December 16
Winter break	December 17 - January 17

SPRING SEMESTER 2027	
Dr. Martin Luther King, Jr. Day observance - classes not in session	January 18
Instruction begins	January 19
President Lincoln's Day observance - classes not in session	February 12
Presidents' Day observance - classes not in session	February 15
Faculty contractual day - classes not in session	February 16
Last day to petition for Spring graduation	March 15
Spring break	March 22-28
Mid-semester (2nd 8-Week Session) instruction begins	March 29
Farmworkers Day observance - classes not in session	March 31
Last day of semester	May 26
Commencement ceremonies - Saddleback College	May 27

SUMMER SEMESTER 2027	
Memorial Day observance - classes not in session	May 31
Summer session	June 1 - August 14
Juneteenth Day observance - classes not in session	June 17-18
Last day to petition for Summer graduation	July 1
Independence Day observance - classes not in session	July 5

There are many late-starting, shorter length classes. Please consult the schedule of classes for starting and ending dates, and other important dates specific to each term.

NOTICE

The information contained in this publication describes the anticipated programs, courses, rules, regulations and fees of Saddleback College. These are subject to modification at any time to accommodate changes in resources or educational plans of the South Orange County Community College District. This publication does not constitute a contractual commitment.

About Saddleback College

President's Message

Welcome to Saddleback College!

Whether you are a first-time student exploring new possibilities or a returning learner looking to advance or pivot your career, you are a vital part of what makes our campus a dynamic place of opportunity.

At Saddleback, our mission is to empower a diverse student body through equitable, innovative, and student-centered education. We place you at the heart of everything we do, ensuring your needs and aspirations shape our programs and priorities. As a community rooted in equity, inclusivity, and excellence, we are dedicated to supporting the personal growth and social mobility that truly transforms lives.

Saddleback is setting the standard for excellence across the nation, state, and local community. For the second year in a row, WalletHub ranked us a Top 10 Community College in America and #1 in California for academic strength and student outcomes. On top of that, we earned a spot among the Aspen Institute's Top 200 U.S. Community Colleges and were voted the Best Community College in Orange County by the *Orange County Register*.

Thank you for choosing Saddleback College. Our faculty, staff, and administration are here to support you on your journey and are cheering you every step of the way.

Dr. Lonita Cordova

President, Saddleback College

Mission, Vision, and Values of Saddleback College

Mission

Saddleback College empowers and supports its diverse student body by providing equitable, innovative, and student-centered educational experiences. We foster personal growth, academic success, economic opportunity, and social mobility. *(BP 1200)*

Vision

Inspired by a passion for teaching and learning and a belief in human potential, Saddleback College transforms the lives of its students and community.

Values

Saddleback College embraces:

Community
We strive to develop strong and lasting strategic partnerships across the college and with the surrounding community.

Empowerment
We empower students through challenging, collaborative, and engaging educational experiences.

Equity
We place our highest priority on removing systemic barriers to ensure students achieve their academic and career goals, and to meet their full potential.

Excellence
We dedicate ourselves to excellence in academics, student support, and service to the community.

Inclusivity
We create a welcoming environment in which all members of our college community have equitable access, opportunities and feel capable, nurtured, and respected.

Innovation
We embrace human-centered creativity, technological advancements, and continuous improvement to meet the evolving needs of our students and community.

Sustainability
We promote environmental sustainability and use our resources responsibly.

Student-Centered
We place students at the heart of everything we do, ensuring that their needs, aspirations, and voices shape our policies, practices, and programs.

Institutional Student Learning Outcomes (ISLOs)

Students should expect to develop knowledge, skills and abilities across four broad areas as a result of their overall experience at Saddleback College. The broad areas are identified by the Institutional Student Learning Outcomes (ISLOs) listed below:

I. **Effective Communication**
Students completing a degree or transfer program at Saddleback College will be able to:

1. Demonstrate the ability to understand, evaluate, and analyze a variety of academic, professional, and personal readings.
2. Demonstrate the ability to clearly express themselves and the knowledge they have attained in various forms of writing.
3. Demonstrate the ability to clearly communicate ideas to others when speaking in one or more of the following modes: interpersonally, in small group settings, or in public presentations.

II. **Intellectual and Practical Skills**
Students completing a degree or transfer program at Saddleback College will be able to:

1. Demonstrate competence in fundamental computing and information technology.
2. Demonstrate competence in scientific and quantitative reasoning necessary for informed judgment and decision making.
3. Conduct effective research, including the identification, evaluation, synthesis, and responsible use of sources and information.
4. Analyze information and ideas independently and logically in order to arrive at reasoned, meaningful, and creative conclusions.
5. Work with others to develop creative, logical, and reasoned solutions to problems.
6. Develop cognitive, physical, and affective skills that will allow them the opportunity to be well-rounded individuals.

III. **Community/Global Consciousness and Responsibility**
Students completing a degree or transfer program at Saddleback College will be able to:

1. Demonstrate knowledge of cultural diversity and awareness of multiple perspectives in the U.S. and globally.
2. Demonstrate the ability to effectively interact with others in academic, personal, and professional contexts.
3. Demonstrate an awareness of the necessity for social responsibility and accountability of citizenship in a democratic society.
4. Demonstrate an awareness of the necessity for ethical conduct in academic, personal, and professional contexts.

IV. **Breadth of Subject Area Knowledge**
Students completing a degree or transfer program at Saddleback College will be able to:

1. Describe the scope and key principles of the natural sciences and mathematics, including an understanding of the methods of scientific inquiry.
2. Describe the scope and key principles of the arts and humanities in order to understand the rich history of human knowledge, discourse, and achievements.
3. Describe the scope and key principles of the social and behavioral sciences in order to understand the complexities of social interactions and human experiences.

Administration and Academic Schools and Divisions

Saddleback Administration

Dr. Lonita Cordova
President
Office of the President
(949) 582-4722

Ms. Tram Vo-Kumamoto
Vice President
Office of Instruction
(949) 582-4795

Dr. Jennifer LaBounty
Vice President
Office of Student Services
(949) 582-4566

Mr. Rodrigo Garcia
Vice President
Office of College Administrative Services
(949) 582-4872

Saddleback Schools, Divisions, Departments and Services

Saddleback Schools

School of Arts, Media, Performance and Design

Dr. Scott Farthing - Dean
(949) 582-4747

- Architecture and Drafting
- Art (Studio)
- Art History and Theory
- Cinema, TV, Radio
- Communication Studies
- Dance
- Fashion
- Graphics
- Interior Design
- Journalism and New Media
- Music
- Photography
- Theatre and Entertainment and Theatre Technology

School of Business and Industry

Mr. Matt Valerius - Dean
(949) 582-4541

- Accounting
- Automotive Technology
- Cosmetology (offered via partners using Instructional Service Agreements)
- Business
- Computer Information Management
- Culinary, Hospitality, and Restaurant Management
- Real Estate

School of Health and Wellness

Dr. Rebecca Orozco - Dean
Dr. Linda Call - Assistant Dean/Director of Nursing
(949) 582-4701

- American Sign Language
- Emergency Medical Technician
- Health Sciences
- Human Services
- Medical Assistant
- Medical Lab Technician
- Nursing
- Nutrition
- Paramedic
- Public Health

School of Humanities and Social Sciences

Ms. Christina Hinkle - Executive Dean
Dr. Jessica Kaven - Assistant Dean
(949) 582-4733

- Anthropology
- Child Development and Education
- Economics
- English
- English as a Second Language
- Ethnic Studies
- Gender and Sexuality Studies
- Geography
- Geographic Information System
- History
- Humanities
- International Languages
- Philosophy
- Political Science
- Psychology
- Reading
- Sociology

School of Science, Technology, Engineering and Math

Mr. Art Nitta - Dean
(949) 582-4820

- Astronomy
- Biology
- Chemistry
- Computer Science
- Electronic Technology
- Engineering
- Environmental Studies
- Geology
- Horticulture
- Manufacturing Technology
- Mathematics
- Oceanography
- Physics

Saddleback Divisions and Services

Counseling and Special Programs

Dr. Penelope Skaff - Dean
(949) 582-4572

- Counseling
- Articulation
- CalWORKs
- Career Services
- Disabled Students Services & Programs (DSPS)
- Extended Opportunity Program & Services (EOPS), CARE, and NextUp
- Placement and Prerequisites
- Puente
- Re-Entry Center
- Transfer Center
- Veteran's Counseling

Enrollment Services Division

Mr. Christian Alvarado - Dean
Ms. Christina Han - Registrar
(949) 582-4555

- Admissions and Records
- International Student Program
- Financial Aid

Extended Learning Division

Dr. Daniel Predoehl - Assistant Dean, Division/Director of Emeritus Institute
(949) 582-4540

- Adult Education
- Community Education
- Emeritus Institute
- Foster and Kinship Care Education

Instructional Support and Teaching Innovations Division

Dr. Kim d'Arcy - Dean
(949) 582-4397

- Honors
- Learning Assistance Program
- Library Science

Kinesiology and Athletics Division

Mr. Dan Clauss - Dean/Athletics Director
(949) 582-4545 - Kinesiology
(949) 582-4547 - Athletics

- Adapted Kinesiology
- Health
- Intercollegiate Athletics
- Kinesiology

Student Support Services Division

Dr. Elaine Lipiz Gonzalez - Dean

- Conduct
- Health Center
- Student Life
- Student Rights and Grievances
- Title IX

Workforce Program Innovation and Partnerships

Ms. Kari Irwin - Dean
(949) 582-4773

- Early College Pathways
- Customized Training
- Career Education Planning Partnerships
- Employer Engagement

South Orange County Community College District

28000 Marguerite Parkway, Mission Viejo, California 92692 • (949) 582-4999 • www.socccd.edu

District Administrators

Dr. Julianna M. Asperin Barnes
Chancellor

Ann-Marie Gabel
Vice Chancellor
Business Services

Dr. Christopher McDonald
Vice Chancellor
Educational and Technology Services

Dr. Cindy Vyskocil
Vice Chancellor
Human Resources

Included above is the executive leadership; for all administrators/managers (which include directors) please see the organizational chart on the district's website here:

www.socccd.edu/departments/district-organizational-charts

Inspire 2035: District Vision, Mission, Values, and Priorities

Vision

Empowering students, transforming lives, and strengthening communities through education.

Mission

We place students at the heart of our mission, transforming their lives and nurturing creative thinkers that enhance the vitality of the communities we serve. Grounded in principles of equity, belonging, and innovation, we ensure equitable access and foster outcomes that promote economic and social mobility. *(BP 1200)*

Values

- **Community**: We foster a collaborative and inclusive environment where relationships - within our institution and beyond - are built on respect, trust, and a shared commitment to student success and community impact.
- **Equity**: We are committed to identifying and addressing systemic barriers to ensure fair access, opportunities, and outcomes for every member of our community.
- **Excellence**: We uphold the highest standards in teaching, learning, and service, empowering our community to reach their full potential.
- **Innovation**: We embrace creativity, forward-thinking solutions, and continuous improvement to meet the evolving needs of our students and community.
- **Belonging**: We cultivate a welcoming environment where every individual feels valued, respected, validated, and fully included in the life of the college.
- **Student-Centered**: We place students at the heart of everything we do, ensuring their needs, aspirations, and voices shape our policies, practices, and programs.
- **Empowerment**: We inspire individuals to realize their potential by providing the resources, knowledge, and support needed to achieve personal, academic, and professional success.

Priorities

- **Student Centered**: SOCCCD will foster an inclusive environment where students feel valued and supported.
- **Equitable Access**: SOCCCD will ensure that all students have equitable access to opportunities to explore, enroll in, and succeed in their educational journeys.

- **Equitable Outcomes**: SOCCCD will provide the support, resources, and opportunities needed for all students to achieve academic, personal, and career success.
- **Economic and Social Mobility**: SOCCCD will advance the economic and social mobility of students.
- **Community Vitality and Engagement**: SOCCCD will enhance community vitality and engagement.
- **Workplace Culture and Growth**: SOCCCD will foster a safe environment where employees feel empowered, valued, and respected.

Board of Trustees

Carolyn Inmon
President

Ryan Dack
Vice President

T.J. Prendergast III
Clerk

Lisa Bartlett
Member

Timothy Jemal
Member

Marcia Milchiker
Member

Terri Rydell
Member

Eric Shin
Student Member

Enrolling at Saddleback

Admission Requirements

Eligibility for Admission

Saddleback College is one of two colleges in the South Orange County Community College District, which also includes Irvine Valley College. Students may apply to only one college but may register in classes at either or both colleges. (Please see College of Record) (*BP 5010/AR 5010)*

Admission to Saddleback College is open to anyone who is a high school graduate, has a High School Equivalency certificate, or is 18 years of age or older and shows evidence of being able to benefit from instruction.

Students enrolled in elementary through high school may attend Saddleback College as special admits. Special admits may enroll in the classes recommended by their school principal and are required to submit a completed "Special Admission Request Form" (available online) each semester two weeks prior to the start of the term. Students in grades 9-12 are limited to 11 units per semester; K-8 students are limited to 6 units per semester. K-12 students are not permitted to enroll in Kinesiology (PE) classes.

Individuals holding valid non-immigrant visas, which federal law prohibits from enrolling in a course of study, are not admissible.

Questions regarding admission to Saddleback College may be sent via e-mail to scadmissions@saddleback.edu or by calling the Office of Admissions and Records at (949) 582-4555.

College of Record

You may only apply to Saddleback College or Irvine Valley College; this will be designated as your college of record. In addition, your college of record is where you complete all admission steps (application, assessment, advisement, academic plan, and orientation); receive support services, such as financial aid, DSPS, EOPS and other special services; and plan to complete your educational goal. Should you need to discuss or change your college of record, please contact the Office of Admissions and Records.

Application for Admission

Students who are enrolling in Saddleback College for the first time or are returning after an absence of two semesters or more (not including summer) must submit an application for admission online. Computers and assistance with the application are available in the Office of Admissions and Records. The online application is available at www.saddleback.edu/apply-pay/how-apply.

The application for admission is available online beginning the following dates:

- Fall semester: February 1
- Spring semester: August 1
- Summer session: February 1

California Residence Classification

Each person enrolled in or applying for admission to a California community college, for purposes of admission and/or tuition, is classified as either a California resident or a nonresident. Students classified as nonresidents will be required to pay additional tuition and fees. *(BP 5015)*

"Resident students" are those who have resided within California for at least one year prior to the residence determination date and have met the residency standards stipulated in Title 5 of the California Code of Regulations. The "residence determination date" is the day immediately preceding the opening day of instruction each semester or summer session during which the student proposes to attend college in the South Orange County Community College District.

"Nonresident students" are those who have not established California residence status in the state for at least one year prior to the residence determination date or those who hold certain non-immigrant visas which preclude them from establishing residence. Foreign students admitted to the United States under student visas are classified as nonresidents.

The Office of Admissions and Records determines the residence status of all new and former students for tuition purposes, based on responses provided in the college application for admission and, if necessary, other evidence furnished by the student.

Exemptions

The California Education Code allows certain non-residents an exemption from non-resident tuition. The criteria for these exemptions are listed below. Students who believe they are eligible for an exemption based on any one of the following criteria should inform the Office of Admissions and Records when they apply.

- Student under two-year care and control of adult
- Students who are members of the armed forces of the Unites States who are stationed in this state on active duty, except those assigned to California for educational purposes
- Students who are eligible as covered individuals as defined in the Veterans Access, Choice and Accountability Act of 2014 (VACA Act) who are taking advantage of their Chapter 30, 31 or 33 benefits
- Spouses and dependents (natural or adopted children or stepchildren) of active members of the armed forces stationed in California
- Armed forces members remaining in the state following discharge
- Dependent of a California resident of more than one year; parent residing in California for one year and contributing court ordered support for student under the age of 19
- Graduate of California school operated by the United States Bureau of Indian Affairs
- Student holding teaching credential; other conditions apply
- Employee or child or spouse of employee of institution or state agency
- Students who are under 20 years old and served by the California Foster Care system
- Student who attended a California high school at least 3 years and graduated from a California high school or earned an equivalency (GED) in California. Students must fill out and submit the "AB 540 Affidavit for Exemption" for consideration. Please call (949) 582-4555 for more information
- K-12 special part-time students, other than non-immigrant aliens, participating in a College and Career Access Pathways (CCAP) partnership program or a K-12 special part-time student (non-CCAP - concurrently enrolled high school student)

Other conditions may be required to meet these criteria. Please call (949) 582-4555 for more information.

Establishing Residence

Legal residence may be established by an adult who is physically present in the state and who, at the same time, intends to make California his or her permanent home. The prospective resident must take steps at least one year and one day prior to the residence determination date to show an intent to make California a permanent home and, concurrently, relinquish legal residency in the state of his or her prior home. There are various steps that one may take to demonstrate the intent to become a California resident. The Office of Admissions and Records will assist any student who wishes to establish residency, providing recommendations for each individual case.

For general purposes, the following are some, but not the only ways to show one has taken the necessary steps toward becoming a California resident:

1. Registered to vote and voted in elections in California.
2. Filed resident California state income tax.
3. Owned and resided in a residential property, or consistently or continually occupied or rented an apartment on a lease basis.
4. Maintained licensing from California for professional practice.
5. Maintained California vehicle registration and driver's license.
6. Maintained active savings and checking accounts in California banks.
7. Maintained permanent military address and home of record in California, if in the military service.

Note: No single item listed above may establish a case for California residence. It is up to the applicant to offer as many documents as possible to prove validity of the change to California resident.

Reclassification to Resident Status

The request for reclassification to resident status must be initiated by the student. Students who are interested in changing their classification should consult the Office of Admissions and Records. Evidence of presence in and intent to reside in California-for at least one year and one day prior to a coming semester's start date-is required for consideration of a change in status and must be submitted for a residence review. Students should allow up to ten working days after submitting their documents for a decision. The burden of proof lies with the student. Residence reclassification must be completed no later than the first two weeks of the semester. Since some petitions require additional documentation to prove a residence case, students should be sure to submit reclassification requests early in an academic term.

International Students (F1-Visa)

Saddleback College defines an "international student" as a student attending Saddleback College full-time while on an F-1 student visa. Applications for admission to Saddleback College's International Student Program are available online at www.saddleback.edu/apply-pay/how-apply/international-student and in the International Student Office. Prospective students may contact the International Student Office at (949) 582-4637 or by e-mail at sc-iso@saddleback.edu.

To be considered for admission to Saddleback College, international applicants (residents of countries other than the United States who hold or are applying for F-1 student visas) are required to submit the following documents:

1. Application for admission is available online beginning the following dates:
   - Fall semester: February 1
   - Spring semester: August 1
   - Summer session: February 1
2. The International Student Supplement should be completed, signed by the applicant, and turned in to the International Student Office. The form can be found at www.saddleback.edu/apply-pay/how-apply/international-student.
3. Proof of English proficiency Certificate of Achievement and/or Associate Degree/Transfer. English Proficiency not required for the Intensive ESL program. Saddleback College accepts the following English proficiency tests:
   - TOEFL iBT: 52 overall (school code 4747)
   - IELTS: 4.5 overall
   - iTEP: 3.5
   - Cambridge English: 160 overall (B2 First, C1 Advanced)
   - Pearson: 41 overall
   - EIKEN: Grade 2A (Original test score reports are required for the EIKEN test)
   - GTEC CBT: 900
   - Duolingo: 80
   - SAT: 460 in Reading and Writing
   - ACT: 19 in Reading and English

   Saddleback also offers admission to international students who have completed specific levels of study at our partner intensive ESL schools. Please visit www.saddleback.edu/apply-pay/how-apply/international-student to find the list of partner schools. Students who have attended at least 3 years and have graduated from a U.S. high school are not required to complete the English proficiency test requirement.
4. Academic records: Evidence of academic achievement equivalent to an American high school diploma or higher. The transcripts of the original records must be accompanied by a notarized English translation. In addition, international students who are in the U.S. as F-1 students must submit all of their academic records from the institutions they have attended in the U.S.

Students transferring from other institutions in the United States must submit the following in addition to the above requirements.

1. Transfer form completed by prior institution verifying the student's current status.
2. Copy of the SEVIS I-20 provided by prior institution.
3. Copy of passport information page (i.e. name, photo, date of birth, etc.), F1 visa, and form I-94 (both sides).
4. Official transcripts from prior institutions attended in the United States.

Upon acceptance to Saddleback College, international students are expected to:

1. Enroll in and complete a minimum of 12 units each semester with a minimum 2.0 Grade Point Average (GPA). International students are allowed to register for only one online class each semester to apply towards the 12 unit requirement for full-time enrollment.
2. Purchase health insurance coverage: Saddleback College and the South Orange County Community College District require that all international students have a valid health insurance plan from the district-approved carrier during their entire course of study. Students must have health insurance coverage in order to enroll in classes. Health insurance information is available at www.saddleback.edu/apply-pay/how-apply/international-student and at the International Student Office.
3. Pay non-resident tuition fees in addition to all other applicable fees during their entire attendance at Saddleback College.

Saddleback College international students with F-1 visas may enroll in a maximum of 6.00 units at Irvine Valley College when certain classes are not offered at Saddleback College to maintain their full-time enrollment. International students with F-1 visas from other schools may enroll concurrently at Saddleback College on a part-time basis not to exceed six units. Students should consult the International Student Office for more information. Applicants with other types of visas (not F-1) should apply online through the Office of Admissions and Records at www.saddleback.edu/apply-pay/admissions-records.

For additional information, contact the International Student Office at (949) 582-4637 or sc-iso@saddleback.edu.

Under the Division of Enrollment Services, the International Student Office at Saddleback College oversees the recruitment, admission, and retention of international students. The International Student Office provides a wide range of services to international students including admission, assessment, orientation, home-stay and F-1 visa advising. In addition, the Office coordinates events on-campus to promote global awareness and cooperation. The International Student Program at Saddleback College is governed under the South Orange County Community College District and U.S. federal regulations.

Student Fees/Refunds/Credits

All fees are subject to change

Associated Student Body (ASB) Stamp Fee

The $17 ASB stamp fee provides a variety of benefits to students and supports, as part of the total ASG budget, a variety of student programs and services, such as Athletics, Fine Arts, Scholarships, access to the ASG office, and many other student-sponsored activities. In purchasing the ASG Stamp you will also receive a FUND card valued at over $160 in discounts. The ASB fee is nonrefundable. The ASB stamp can be purchased online and in the ASG office located in the College Center, Room CC 211.

Enrollment Fee

(BP 5030/AR 5030)

The Enrollment Fee is $46 per unit with no maximum. This fee is subject to change by the State of California.

Health Fee

All students enrolled in an on-campus or online course at Saddleback College are required to pay the health fee. Students enrolled in only off-campus courses are exempt from paying the health fee, but can "opt-in" to pay the fee if the student is interested in accessing the Health Center services. This fee is currently $28 for the fall and spring semesters and $22 for the summer semester. Students who enroll in both Saddleback College and Irvine Valley College are required to pay both colleges' health fees. This fee entitles students to a variety of health services. Please note that this is not a personal health insurance policy. Health fees are subject to change during the academic year.

In addition to emeritus classes being exempt, State law provides the following exemptions from the health fee:

1. Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization.

2. Students who are attending a community college under an approved apprenticeship-training program.

Students must submit proof for these exemptions at the time they register.

Material/Lab Fees

(AR 5031)

Students may be required to provide instructional materials required for a credit or non-credit course. Such materials shall be of continuing value to a student outside of the classroom setting and shall not be solely or exclusively available from the District except as otherwise permitted under Item 8 of this regulation.

"Required instructional materials" means any materials which a student must procure or possess as a condition of registration, enrollment, or entry into a class; or any such material which the instructor determines is necessary to achieve the required objectives of a course.

"Required instructional materials which are of continuing value outside of the classroom setting" are materials which can be taken from the classroom setting, and which are not wholly consumed, used up, or rendered valueless as they are applied in achieving the required objectives of a course which are to be accomplished under the supervision of an instructor during the class.

The District affirms that sustainable, no-cost instructional materials, particularly Open Educational Resources (OER), shall be the preferred mechanism for reducing student instructional materials costs and supporting Zero-Textbook-Cost (ZTC) pathways.

Requiring a student to provide instructional and other materials and establishing the provisions for assessing a student a fee for a credit or non-credit course in which they are enrolled shall conform to the following guidelines:

1. The materials shall not include materials used or designed primarily for administrative purposes, class management, course management, or supervision.
2. The materials shall be personal property which are owned or primarily controlled by an individual student.
3. The material is of a continuing value to the student outside of the classroom setting as defined above.
4. Where the materials are available to a student through a license or access fee, the license or access fee shall be available to students for up to two years, satisfying the requirement that instructional materials have continuing value outside the classroom setting. Students have the option of paying a lower price for a shorter access period. The terms of the license or access fee shall be provided to the student in a clear and understandable manner prior to purchase.
5. The materials must be available for purchase individually and not exclusively bundled together.
6. Any materials bundling program is subject to the following restrictions:
    a. It must be offered on a course-by-course basis and not campus- or District-wide by design.
    b. Student participation must be voluntary and exclusively opt-in; students must not be automatically enrolled and expected to opt out if they would prefer not to participate.
    c. The cost, terms of access, and duration of access shall be clearly disclosed to students in a timely and understandable manner prior to enrollment or purchase.
7. Faculty members shall take reasonable steps to minimize the cost and ensure the necessity of instructional materials.
8. The material shall not be solely or exclusively available from the District except if it is provided to the student at the District's actual cost; and:
    a. The material is otherwise generally available, but is provided by the District for health and safety reasons; or
    b. The material is provided in lieu of other generally available but more expensive material which would otherwise be required.

Any materials not meeting these guidelines will be provided by the District to students at no cost to the student.

A student shall not be assessed a materials fee for a course in which they are not enrolled.

The college shall issue a full refund of material fees paid in the event a class is canceled by the college or if the student drops the class prior to the refund deadline. The students shall return all unused materials issued by the college to the faculty member.

Parking Fees

Students who intend to park in a student lot must purchase a parking permit each semester. An annual permit which includes fall, spring, and summer is available for purchase in the fall only. Parking fee costs can be found on the college website in the Student Payment Office web page under "Fees."

Day parking permits can be purchased at any one of the yellow permit dispenser machines currently located at the Medical Center Drive campus entrance next to the flag pole; at the north end of parking lot 10, at lot 5A (Near Tennis Courts); and at parking lot 1. Timed metered parking is available at the north end of lot 9.

Returned Check Fee

Non-Sufficient Funds and Stop-Payment Check Charge Policy

In accordance with California Civil Code Chapter 522, Section 1719, the District hereby establishes a processing fee for handling non-sufficient funds (NSF) and stop-payment checks. The amount of the fee will be reviewed and approved annually by the Board of Trustees.

- Each check dishonored by your bank for whatever reason is subject to a processing fee.
- A $25 processing fee will be charged for all returned checks.

The Saddleback College bookstore is a contract service and is not subject to this policy. Please contact the bookstore for their check return policy.

Student Representation Fee

The $2 Student Representation Fee is an optional fee collected at the time of registration for each enrolled student and established by CA Education Code: 76060.5.

- $1 will go to the Associated Student Government (ASG) to fund advocacy efforts for student leaders and student representatives to state their positions and viewpoints on behalf of Saddleback College students before city, county, district, state, and federal government, as well as other public agencies.
- $1 will be expended to establish and support the operations of a statewide community college student organization, recognized by the Board of Governors of the California Community Colleges, with effective student representation and participation in state-level community college shared governance and with governmental affairs representatives to advocate before the Legislature and other state and local governmental entities. Currently, the Student Senate for California Community Colleges (SSCCC) serves in this capacity. SSCCC hosts a general assembly annually and is made up of ten regions with student representatives from all 115 community colleges in the State of California.

Transcript/Verification Fees

(BP 5030/AR 5030)

Transcripts: Students are entitled to receive two (2) free transcripts or two (2) free enrollment verifications. Once the two (2) initial transcript or enrollment verifications or any combination of the two (2) have been provided, every subsequent request is $6.00 each.

Emergency Transcripts are $5.00 in addition to the transcript fee. Emergency transcripts requests are available only through the online system and are mailed, sent electronically, or made available for pickup within 24 hours during normal business hours after requests are received.

Saddleback College transcripts do not include grades from Irvine Valley College or any other institution. Students need to make separate requests to each college. Visit www.saddleback.edu/apply-pay/admissions-records/transcripts for more information.

Verifications of Enrollment: Students are entitled to receive two (2) free transcripts or two (2) free enrollment verifications. Once the two (2) initial transcript or enrollment verifications or any combination of the two (2) have been provided, every subsequent request is $6.00 each. The Verification Request Form may be accessed from www.saddleback.edu/apply-pay/admissions-records/forms-and-petitions.

Mail requests to:
Saddleback College
Office of Admissions and Records
Verification Unit
28000 Marguerite Parkway
Mission Viejo, CA 92692

Non-Resident Fees

Application Fee

Non-resident students who are citizens and residents of a foreign country will be charged a non-refundable application fee at the time the application is submitted. The application fee for the 2026-2027 academic year is $0. Non-resident/non-citizen students who can validate asylee/refugee status or who are evaluated to have a financial hardship may be exempt from this fee.

Capital Outlay Fee

Students who are U.S. citizens but not California residents, as well as students who are not U.S. citizens, will be charged a capital outlay fee of $57 per unit. This is in addition to the $46 per unit enrollment fee and the $409 per unit non-resident tuition fee. Students who are not U.S. citizens but can validate asylum/refugee status, or who have been evaluated to have a financial hardship, may be exempt from this fee.

Tuition Fees

Students who are U.S. citizens but not California residents, and students who are not U.S. citizens, will be charged a non-resident tuition fee of $409 per unit. This is in addition to the $46 per unit enrollment fee and the $57 per unit capital outlay fee. Students who are not U.S. citizens but can validate asylum/refugee status, or who have been evaluated to have a financial hardship, may be exempt from this fee.

Non-Resident and Capital Outlay Fees Exemption for Veterans and their Dependents

Veterans who are eligible for Veterans Administration (VA) education benefits are exempt from paying non-resident fees and capital outlay fees. Dependents of veterans who are using these benefits are entitled to the same exemption.

Fees Payment Deadlines

Students are responsible for paying all required fees by the **payment deadline published on the college website**. Failure to pay fees by the payment deadline may result in **enrollments being dropped for nonpayment**.

Students who wish to pay by **check or cash** may make their payment in person at the **Student Payment Office in the Gateway Building, Room GW 123**.

Beginning the **first day of the semester**, students who add classes will **not be dropped for nonpayment** but will remain responsible for any outstanding balance. A **hold may be placed on the student's account** for unpaid balances, which will prevent further registration until the balance is resolved.

Students expecting their fees to be covered by a **fee waiver or financial aid** are responsible for ensuring that their aid or waiver is **applied prior to the payment deadline**.

Refunds/Account Credits

A student must officially drop classes through online or in-person registration within the established refund deadline dates to be eligible for a refund of fees paid. There are no refunds for classes added or dropped after these refund deadline dates. Also, students dropped from a class by an instructor after the class refund deadline date are not entitled to a refund. The only exception to this policy is when the college cancels the class. *(BP 5030/AR 5030)*

Refunds are processed automatically. Dropping classes within the refund deadline dates will generate a credit on the student's account.

Refund deadline dates are different for different classes. The refund deadline date for each class can be found in the details section of the online schedule at www.saddleback.edu/learning-saddleback/classes/class-schedule. Please allow 30 days for processing refunds. Additional information on refunds is available on the Student Payment Office web page at www.saddleback.edu/apply-pay/tuition-fees/refund-information. Students can also call the Student Payment Office at (949) 582-4870 for additional information.

Associated Student Body (ASB) Fee Refund/Credits

The Associated Student Body (ASB) stamp fee is non-refundable.

Enrollment Fee Credits

Students are eligible for an enrollment fee credit if the class is dropped prior to the published refund deadline date for that class, or if the class is cancelled by the college.

Health Fee Credits

Students are eligible for a health fee credit only if all classes are dropped prior to the applicable deadline date for each class, or if the student's class(es) have been cancelled by the college.

Material/Lab Fee Credits

Students are eligible for a material/lab fee credit if the class is dropped prior to the refund deadline date for that class, of if the class is cancelled by the college.

Non-Resident Tuition Credits

A request for credit of non-resident tuition may be made in any of the three categories listed below:

1. Non-resident tuition fees collected in error. In such cases, 100 percent of the non-resident tuition will be credited.
2. Non-resident tuition fees refundable as a result of the cancellation of a class or some similar action on the part of the college, clearly beyond the control of the student and for which the fees have been paid. In cases of cancellation of a class, 100 percent of non-resident tuition will be credited.
3. Non-resident tuition fees refundable as a result of a student's reduction of units prior to the class(es) refund deadline date.

Parking Fee Credits

Credits on parking fees will be given only when all of the following conditions are true:

1. When a class is canceled and the student is not attending any other classes on campus during the semester, or if the student officially withdraws from all of their classes during the first two weeks of a regular term, or during the first week of eight-week terms.
2. The student Parking Decal is turned in to the Campus Police Department during the first two weeks of a regular semester or during the first week of an eight-week session.

Pre-Enrollment Process

Saddleback College acknowledges the importance of maximizing the student's abilities to make individual choices based on accurate, relevant information and is committed to developing, implementing, and refining policies and procedures which are in the best interest of the student. The pre-enrollment process brings the student and Saddleback College into a partnership.

In this partnership the student agrees to:

1. Complete the Pre-Registration Checklist including: Orientation to Saddleback College, Math and English Placement, Student Advisement, and a First Semester Educational Plan.
2. Complete a First Semester Educational Plan and establish goals
3. Attend classes
4. Discuss academic goals with a counselor
5. Use support services as needed
6. Make progress toward achieving the goal
7. Follow recommendations given by counselor/instructor

Saddleback College agrees to provide:

1. Resources and support services
2. Orientation to the college and placement into the appropriate courses
3. Advisement and First Semester Ed Plan

4. Individual comprehensive educational plans
5. Career, learning, and transfer centers
6. Continued monitoring of academic success

Who is required to complete the Pre-Registration Checklist

First-time college students and college students new to the district (SOCCCD) with less than 30 college units completed who are seeking a certificate, two-year degree or transfer.

Who is Exempt from the Pre-Registration Checklist

Students who have completed an associate degree (or higher), are concurrently enrolled at a 4-year college/university, have completed 30+units of college credit at the time of admission, K-12 special/dual enrolled admits, or students enrolling in courses for non-academic purposes (educational development).

Steps in the Pre-Registration Checklist

The steps of the Pre-Registration Checklist are designed to assist students in achieving their educational goals at Saddleback College. The checklist includes a New Student Orientation, Math and English Placement, Student Advisement, and a First Semester Educational Plan. Required students must complete the following steps prior to registering for any class:

1. **New Student Orientation** provides students with information about the many resources available at Saddleback College. Students learn about student services, special programs, and other student supports. They are introduced to MySite, the student information portal, and to policies and procedures required by Saddleback College.

2. **Math and English Placement** is used as an initial indicator of the course levels a student should begin with for a selected program of study. Initial Math and English placement is derived from multiple measures including high school transcript data. The college's current placement process may include, but is not limited to, the student's high school grade point average, high school English coursework, high school math coursework, English language proficiency, and possible recommendation for corequisite support course enrollment.

3. **Student Advisement** assists students in determining their educational goals and planning their college classes. Students learn about transfer programs, degree requirements, career technical education (CTE) programs, and are introduced to the online registration process in MySite.

4. **First Semester Educational Plan** prepares students to enroll in the required courses towards their program of study. The first semester plan also familiarizes students with the academic planning tool used by counselors to build a Comprehensive Educational Plan.

Follow-up services monitor students' progress throughout the academic year. Students on either academic or progress probation are notified of their academic standing. Early Alert Notifications may be used to notify students of their academic standing each semester so they can seek assistance from the Division of Counseling Services.

Students must follow the pre-enrollment procedures at their college of record. All Saddleback College students are welcome and encouraged to participate.

For assistance with the Pre-Registration Checklist, students can contact the Counseling Services Office located in the Gateway Building, Room GW 201-1. The Counseling Office can also be reached by phone at (949) 582-4572 or from the website at www.saddleback.edu/student-support/counseling-services.

Comprehensive Educational Plan

Students pursuing a certificate, two-year degree or transfer are required to have a Comprehensive Educational Plan by the end of their first academic year. During the second semester of enrollment, the Counseling Services Office will contact students who are required to have a Comprehensive Plan. After a year, a registration hold may be applied.

A student with a Comprehensive Plan hold, notated as a C1 in MySite, must complete a Comprehensive Educational Plan with a counselor to be eligible to enroll in future courses. A Comprehensive Plan may be completed by attending a counseling appointment or an educational planning workshop. An appointment can be scheduled by calling the

Counseling Office at (949) 582-4572, using the online scheduling system, or visiting the Counseling Office in the Gateway Building, Room GW 201-1. Appointments and workshops are offered both in-person and online.

Student's Rights

Any student who feels they have experienced discrimination regarding the pre-enrollment process has the right to file a grievance. Information may be obtained in the Office of the Vice President for Student Services, AGB 126.

Prerequisites/Corequisites/Limitations on Enrollment/Recommended Preparation

Saddleback College is committed to helping students select appropriate level courses to provide the greatest chance for their academic success. Information relating to prerequisites, corequisites, limitations on enrollment, and recommended preparation are printed in bold as part of the course descriptions in the catalog. Prerequisites are notated with a padlock symbol above the course description in the online Class Schedule. From "Browse Classes" in "Registration Self Service," a course's prerequisites can be viewed by clicking on the course title and then the menu item "Prerequisites."

Students are responsible for meeting the prerequisite, corequisite, limitations on enrollment, or recommended preparation requirement prior to registering for any course with these restrictions. It's recommended that students clear all prerequisites a minimum of 2 weeks prior to their assigned registration date to avoid enrollment delays.

Prerequisite:
Mastery of a certain body of knowledge is necessary for students to be successful in the target course (the course that has the prerequisite). Most commonly, such knowledge is measured by successful completion of the prerequisite course.

Corequisite:
Concurrent (simultaneous) enrollment in a companion course is required. The information presented, or the practice gained in the corequisite course, is considered necessary for success in the target course.

Limitations on Enrollment:
A condition of enrollment which limits how students qualify for a particular program. Limitations apply to courses that include public performance or intercollegiate competition where a tryout or audition is necessary. Some courses require formal admission to a particular program in order to enroll (e.g., Nursing, EMT, Paramedic) or to meet safety requirements.

Recommended Preparation:
Certain course preparation is advised before students enter the target course. These recommendations indicate preparation that is considered advantageous, but not essential, to the success in the target course.

How to Clear a Prerequisite

Students must submit a Prerequisite Evaluation Request with evidence of prior prerequisite course completion to the Placement & Prerequisites Office. Students can clear a course prerequisite requirement with any of the following methods or evidence:

1. Complete the prerequisite course(s) at Saddleback College or Irvine Valley College with a satisfactory grade (automatic clearance).
2. Provide transcript(s) from another regionally accredited college or university showing the completion of an equivalent prerequisite course along with the Prerequisite Evaluation Request. Transcript must demonstrate satisfactory completion of the prerequisite course.
3. Provide a high school transcript showing the completion of the equivalent prerequisite coursework along with the Prerequisite Evaluation Request. High school transcript must be a district/school issued copy containing completed coursework and a cumulative, unweighted GPA.
4. Provide a College Board Advanced Placement (AP) score report along with the Prerequisite Evaluation Request. English course prerequisites can be cleared with the English Composition exam scores. Math course prerequisites can be cleared with the Calculus AB or BC exam scores (AP score threshold and corresponding placement is outlined in the catalog).

NOTE: Students should submit a Prerequisite Evaluation Request two weeks prior to their registration date to avoid enrollment delays. Specific information regarding procedures, timelines, and notification of prerequisite clearance

approval or denial is available on the Clearing Prerequisites website at www.saddleback.edu/student-support/academic-counseling/clearing-prerequisites.

Course Prerequisite Appeal Procedures

State regulations require the enforcement of prerequisites and faculty from each division assign specific course prerequisites. If a Prerequisite Evaluation Request was denied, a student may file an appeal based on the following criteria:

1. The student has the knowledge or ability to succeed in the course despite not meeting the prerequisite.
2. The student is able to succeed safely despite prerequisites established to protect health and safety standards.
3. The prerequisite or corequisite course is not reasonably available.
4. The college cannot provide alternatives to the course requiring performance standards as a prerequisite.
5. The prerequisite is discriminatory or is being applied in a discriminatory manner.
6. The prerequisite is not valid because it is not necessary for success in the course for which it is required.

Students wishing to appeal a course prerequisite based on any of the above criteria must submit a Prerequisite Evaluation Request form and select the Appeal Evidence option. Appeals are reviewed by the department chair, with a final decision rendered within five business days. If the appeal is approved, the student will be allowed to enroll in the higher-level course. If the appeal is denied, the student will not be eligible for the higher-level course and will be dropped if prior enrollment was granted.

Credit from Prior Institutions

The Board of Trustees of the South Orange County Community College District has mandated that full reciprocity shall exist for courses completed at either Irvine Valley College or Saddleback College. Course equivalencies are determined by the Office of Admissions and Records in accordance with the policies and requirements set forth in this catalog. Saddleback College grants credit toward our local degrees and certificates from institutions that have Institutional Accreditation. For students who plan to transfer to a California State University (CSU), University of California (UC) and/or be awarded an Associate Degree for Transfer (ADT), only credits from regionally accredited institutions will be accepted. It is the student's responsibility to arrange to have transcripts sent to the Office of Admissions and Records.

Please meet with a counselor for more information: www.saddleback.edu/student-support/counseling-services.

A student who has completed an Associate degree from a California Community College or a *Bachelor's degree or higher at an institutional accredited college or university, has met the Associate Degree General Education (Local GE) requirements at Saddleback College. Please consult with a counselor if your program of study requires additional admissions requirements or prerequisites.

*Students who have earned a Bachelor's degree or higher at a foreign institution must provide a transcript evaluation verifying completion of a course conducted in English equivalent to ENGL C1000 with a grade of "C" or higher.

Transfer Credit from Foreign Institutions

Foreign transcripts must be evaluated by an accredited evaluation service and submitted to the Admissions and Records Office. The evaluation must include a detailed report that includes course, unit and GPA breakdowns in order for credit toward an associate degree petition to be considered. A list of acceptable accrediting agencies may be found at: www.ctc.ca.gov/credentials/commission-approved-foreign-transcript-evaluating-agencies.

Registration for Classes

Open Enrollment Policy

Pursuant to the provision of Title 5 of the California Code of Regulations, commencing with Section 58102, the Governing Board of the South Orange County Community College District affirms a policy of open enrollment. Unless specifically exempted by statute, every course, course section, or class, wherever offered and maintained by the district and where state apportionment is reported, shall be fully open to enrollment and participation by any person admitted to the college and who meets such requisites as established by the Board in accordance with the above-referenced section of Title 5.

Registration for Classes

Students register online or in person. Payment is due by the deadline stated on the Confirmation page at the end of the registration session. Once the semester has begun, payment for registration is due at the time of enrollment. After selecting classes and paying all required fees, registration is completed. Consult the Admissions and Records website at www.saddleback.edu/apply-pay/admissions-records for the most recent registration information. Students must have officially enrolled and paid for classes during the registration period in order to receive a grade for the course. Classes cannot overlap, i.e., students may enroll in only one course in a time period. Please be aware that proof of prerequisite completion or alternative evidence may be required (see Pre-Enrollment Process tab for more information).

New and Returning Students

New students are those who have never filed an application or enrolled in classes at either Saddleback College or Irvine Valley College. **Returning students** are those who have previously filed an application or attended either Saddleback College or Irvine Valley College but have been absent from the college for two semesters or more, excluding summer.

Once an application is submitted, a registration permit is issued indicating a student's assigned registration time for Internet registration. Students who apply online receive their registration permits by email.

Most students new to Saddleback College, except those who have already earned an associate degree or higher degree, should participate in an assessment and orientation session prior to registering for classes. Students who are advised to participate in assessment and orientation will be notified at the time their application is submitted. Students who are not advised to participate are encouraged to take advantage of an assessment session for assistance in selecting courses. The assessment process is described further in the *Matriculation Services* section of this catalog.

Continuing Students

Continuing students are those who have been registered during either or both of the immediately preceding two semesters and have received at least one letter grade or "W." Those who were registered during the semester but did not complete a course with a letter grade or "W" will have forfeited their continuing student status and must file a new application.

Enrollment Priorities

The South Orange County Community College District has established the following enrollment priority order when issuing registration times for students:

LEVEL 1

Only students who are required to complete all matriculation steps and have not lost registration priority, as defined by Administration Regulation 5055, qualify for Level 1 registration.

Priority Registration

1. Specific groups (DSPS, EOPS, Student Parent, Rising Scholars, Homeless Youth, Tribal TANF, active duty military, certain veterans, and those served by the foster care system who are under 25 years old) qualify for Priority Registration.
2. Other groups approved by local policy (student ambassadors, athletes, student government, Honors Program members, Puente Program, MESA Program, district staff and dependents of staff) qualify for Priority Registration.

Freshman Advantage - qualifying Freshman Advantage students are high school graduates who have never attended college and who complete (1) New Student Orientation; (2) Math and English placement; and (3) Student Advisement including a First Semester Educational Plan prior to the designated deadline.

Continuing - students who enrolled at Irvine Valley College or Saddleback College during the previous academic semester. Registration times are assigned in descending order by completed units.

New/Returning - students who have never enrolled in the district or are returning after one or more semesters of nonattendance. Registration times are assigned on a first-come, first-served basis at the time their application is processed.

LEVEL 2

Emeritus - continuing students in good standing who are only enrolled in Emeritus Program classes.

LEVEL 3

Low Priority - any student who meets one or more of the following conditions:

- Are not required to complete matriculation steps (assessment, advisement including academic plan, and orientation)
- Are on academic and/or progress probation for two consecutive semesters
- Have completed 100 or more units district-wide (not including basic skills)

Students in the Low Priority category will be notified of their low priority registration as follows:

1. For students on probation for two consecutive semesters, notification will occur after the first semester of probation.
2. For students who reach the maximum 100 degree-applicable units completed in the district, notification will occur when 75% (75 units) of the limit has been reached.

LEVEL 4

High School - students concurrently enrolled in high school.

Students are encouraged to register as early as possible for the best possible course selection.

APPEAL PROCESS

Students may appeal to have their Registration Priority reinstated under the following conditions:

1. Student has a disability and applied for reasonable accommodations, but did not receive services in a timely manner.
2. Student has made significant academic improvement where they meet the minimum grade point average and/or progress standard to be removed from academic or progress probation.
3. Student has experienced extenuating circumstances (verified cases of accident, illnesses or other circumstances beyond the student's control; changes in a student's economic circumstances may be considered for CCPG).
4. Student has completed 100 associate degree units, but is pursuing a high unit major (attach documentation). Appeals for Loss of Registration Priority may be submitted to the Office of Admissions and Records.

Registration Open Enrollment Policy

In conformity with the provisions of Title 5 of the California Administrative Code, the governing Board of the South Orange County Community College District affirms a policy of open enrollment. Unless specifically exempted by statute, every course, course section, or class, wherever offered and maintained by the District, for which average daily attendance is reported for state aid, is fully open to enrollment and participation by any person admitted to the college who meets the stated course prerequisites.

NOTE: New and Returning students are required to complete assessment, orientation, and an academic plan prior to the designated deadline in order to be eligible for the following groups: Priority, First-time Freshmen, or New/Returning.

MySite

MySite is the Saddleback College web portal that enables students to view their registration times, class schedules, grades, and academic history; add or drop classes; and access a variety of useful resources. Students must use their Saddleback College-issued email address and password to log in to MySite. For more information about MySite, please refer to the student handbook.

Maintaining Student Contact Information

It is important for students to maintain current contact information, including the phone number and address in their college record. Information may be updated through the student's MySite. If the post office reports a forwarding address that the student has filed, the college records will automatically be updated to reflect that change.

Student Status:

- **Part-time -** Student taking fewer than 12 units
- **Full-time -** Student taking 12 or more units
- **Freshman/First year standing -** Student who has completed fewer than 30 units
- **Sophomore -** Student who has completed 30 or more units
- **Graduate -** Student who has been awarded the Associate in Arts or Science degree or a higher degree by a regionally accredited college

Repeating Courses

(Also see Academic Regulations and Courses sections of this catalog)

The number of repetitions allowed for each course is listed in the college catalog following the course description. Students may not exceed the number of course repeatability as determined by state regulations except in very narrow circumstances. Students registering in a course not identified as repeatable or repeating a course more often than permissible will be withdrawn from the course.

Auditing Classes

(BP 4070)

Auditing courses is not permitted. All students must enroll in each credit course either for a letter grade or on a pass/no pass basis. If applicable, non-credit students must enroll in non-credit courses for either a "SP", "P", or "NP".

Adding Courses

Students may add open classes through the day prior to the start day of the class. Once the class has started or has become full, students must request permission to add the course from the instructor. If permission is given, an Add Permit code (APC) will be issued. Students are required to add the course on-line or in-person by the Last Day to Add as noted on the Add Permit Code form. Payment is required at the time of enrollment. Students who miss the deadline to add are encouraged to enroll in late-starting classes. Being placed on a class roster by an instructor does not constitute official enrollment in the course.

Attendance

Students are expected to attend classes regularly. Failure to attend can affect performance, which may be taken into consideration by instructors when assigning grades. An instructor may drop students who fail to attend the first meeting of any class for which they have officially enrolled unless prior arrangements have been made with the instructor. Instructors may also drop a student from a class when the student is absent for a total of two instructional hours per credit unit or after six cumulative instructional hours. However, it is always the student's responsibility to officially withdraw from classes. In no case should students presume they have been dropped by the instructor.

Withdrawal from Courses

It is the student's responsibility to officially withdraw from courses for refund purposes and to avoid receiving a substandard grade. Students are limited to a total of three withdrawals in a given course. Failure to attend a course does not constitute a withdrawal. Students withdraw from courses online through MySite.

It is the student's responsibility to drop a class. However, every instructor has the authority to drop a student who misses the first class meeting or has excessive unexcused absences as defined in the class syllabus.

Deadlines for Dropping Classes

Drop without a transcript annotation: Drop must be completed prior to the first 20% of the course based on the individual class. Withdrawal from class anytime between the 20% and 65% points will be recorded as a "W" on the student's record.

Drop with a "W" notation: All courses dropped at the 20% point and up until the 65% point will be recorded on the transcript as a "W." Drops after the 65% point are not allowed except under narrowly defined extenuating circumstances. These situations must be due to substantiated illness, accident, or events beyond the student's control that prohibit continuation in classes. By law, all classes remaining on the student's record after the 65% point require that a grade be issued. For important deadlines for specific classes, students should log on to the Saddleback College website and locate their classes in the index of the current semester's class schedule.

Excused Withdrawal "EW"
Excused withdrawals shall by allowed to students in extenuating circumstances at any time, upon petition of the student to the Office of Admissions and Records. Extenuating circumstances means cases of accidents, illness, or other circumstances beyond the control of the student.

Military Withdrawal "MW"
The "MW" symbol is used for students who are members of active duty, reserve, or guard elements of the armed services and receive orders compelling a withdrawal from all courses. This grading option will have no adverse impact on students or their record and is not used to determine progress probation. Petition for this consideration must be accompanied by a copy of the activation or transfer orders and submitted to the Office of Admissions and Records

NOTE: Only student initiated or instructor drops completed prior to the refund deadline are eligible for refund consideration. (See Student Fees/Refunds/Credits for further information regarding refunds.)
Financial Aid recipients see the Financial Aid section of the catalog regarding Title IV repayment policy

Deadlines for Dropping or Withdrawing from Classes

In accordance with state regulations, the deadlines for grading purposes are as follows:

- 20 percent of the course based on ticket number-drop without a "W" on the transcript
- 65 percent of the course based on ticket number-drop with a grade of "W" on the transcript

It is the student's responsibility to consult the online class schedule for specific course deadlines as they may vary.

NOTE: Only student initiated or instructor drops completed prior to the refund deadline are eligible for refund consideration. (See Student Fees/Refunds/Credits for further information regarding refunds.

Financial Aid recipients see the Financial Aid section of the catalog regarding Title IV repayment policy.

Información en Español

La información se ha traducido al español para que la comunidad hispanohablante pueda informarse acerca del proceso de matriculación en Saddleback College. Estudiantes que necesiten ayuda o tengan preguntas, favor de llamar a la Oficina de Admisión y Registros (Admissions and Records) al 949-582-4555 o a la Oficina de Consejería (Counseling Services) al (949) 582-4572. Estas oficinas están en el Edificio de Servicios para Estudiantes.

Información Para Matricularse

ELEGIBILIDAD PARA ASISTIR A UNA UNIVERSIDAD COMUNITARIA

- INSCRIPCION REGULAR: Tener 18 años de edad o ser graduado/a de la escuela secundaria.
- INSCRIPCIÓN CONCURRENTE: Estudiantes desde el 9 al 12 año de la escuela secundaria, podrán matricularse en clases recomendadas por el/la director/a de su escuela, pero que no excedan 11 unidades. Si desea más información, consulte con la Oficina de Admisión y Registros.
- NO-RESIDENTES: Son personas que han permanecido menos de un año y un día en California antes del inicio del semestre o personas que mantienen visa de inmigración las cuales impiden el establecimiento de residencia. Para mayor información, comuníquese con la Oficina de Residencia al (949) 582-4555.

Debido a la legislación (California AB 540) algunos/as estudiantes que no tengan los documentos de residencia y que se hayan graduado de una escuela secundaria de California, podrían calificar para una "exención" de la matrícula de no-residente. Por favor llame al (949) 582-4555 para obtener más información acerca de esta exención.

FECHAS DE INSCRIPCIÓN: Las personas que asistan por primera vez deben completar su solicitud antes de que empiece el semestre para asegurarse de que todos sus requisitos estén en orden y listos para empezar el primer día de clases.

Fechas de entrega de su solicitud para los siguientes semestres:
1 de febrero - otoño (fines de agosto)
1 de agosto - primavera (principios de enero)
1 de febrero - verano (fines de mayo)

COMO HACER UNA CITA PARA INSCRIBIRSE: Estudiantes que asistan por primera vez a la universidad y los que ya hayan asistido y regresan, deben completar una solicitud. La Oficina de Admisión y Registros documentará su información y le dará un permiso con la fecha y la hora para que se inscriba a través del Internet. Es muy importante que asista a clases el primer día.

COMO AÑADIR Y CANCELAR CLASES: Estudiantes pueden añadir clases hasta el día antes de su comienzo. Una vez que la clase haya empezado o que no tenga cupo, estudiantes deberán pedirle permiso al profesor/a para añadir la clase. Si se les da permiso, deberán tener un número llamado (APC), un código que les permitirá matricularse. Lo puede hacer por medio del Internet o en persona antes de la fecha límite que tenga el código APC. Deberá pagar en el momento que se inscribe.

Nota: Es de suma importancia que el/la estudiante lea el horario de clases para informarse de las fechas exactas para cancelar clases. Puede usar el Internet para cancelarlas.

Cobros

El día en que el/la estudiante se inscriba, debe pagar por todos los servicios tales como: la inscripción, seguro médico, excursiones y estacionamiento.

COBRO DE INSCRIPCIÓN: Se cobrará lo siguiente:

- No-Residentes: $376.00 (por unidad) y en adición $46.00 por unidad. Al no-residente que es ciudadano/a/ residente extranjero/a adicionalmente se le cobrará $70.00 por uso de facilidades (por unidad).
- Residentes: Al residente de California se le cobrará $46.00 por unidad.
- Las clases de inglés como segunda lengua (ESL) que no tienen unidades "0 units" son gratuitas. Estos cobros pueden cambiar cada semestre. Para más información llame al (949) 582-4555.

COBRO DE ESTACIONAMIENTO: Los estudiantes que tienen la intención de estacionar en un lote de estudiantes deben comprar un permiso de estacionamiento cada semestre. Un permiso anual que incluye otoño, primavera y verano está disponible para su compra sólo en el otoño. Los costos de la tarifa de estacionamiento se pueden encontrar en el sitio web de la universidad en la página web de la Oficina de Pago estudiantil bajo "Tarifas".

COBRO DE SERVICIOS DE SALUD: Debe pagar $26 por semestre (en otoño y primavera) para cubrir servicios de salud personal. El costo en el semestre de verano es de $22 y les permite a estudiantes que aprovechen varios servicios médicos. (Este servicio se cobrará aunque tome "0" unidades). Cobros de servicios de salud están sujetos a cambios.

Nivelación de inglés y matemáticas

La Oficina de Matriculación (Matriculation Office) ofrece servicios que incluyen: nivelación de matemáticas, inglés, e inglés como segunda lengua (ESL); análisis de los resultados del proceso de nivelación; consejo académico y orientación; y análisis de reporte de calificaciones de otras instituciones.

Enfermería/Centro de salud

El Centro de Salud de Saddleback College le ofrece al/a la estudiante varios servicios médicos y psicológicos. Tenemos un equipo de enfermeras/os, doctores/as, psicólogos/as y pasantes psicólogos que le ayudarán con su salud tanto física como emocional, para ayudarles a tener éxito tanto personal como educacional.

Se incluyen servicios limitados de crisis emocional, exámenes de visión y audición, primeros auxilios, algunas vacunas, exámenes de sida, de enfermedades venéreas y de tuberculosis. También durante el año escolar, se informará acerca de los riesgos del uso de drogas y alcohol y otros comportamientos de alto riesgo. El Centro de Salud de Saddleback College cuenta con información de varios temas tales como asalto sexual y cómo reportarlo, etc. (California Education Code, Section 67385).

Las consultas médicas son gratis y los exámenes de laboratorio, vacunas y algunas medicinas son de bajo costo. Para obtener más información, llame al (949) 582-4606 o vaya a la página www.saddleback.edu/student-support/student-health-wellness-center.

Ayuda Financiera

La Oficina de Asistencia Financiera en Saddleback College está designada para proveer asistencia económica a estudiantes que cumplan con los requisitos. Asistencia federal, estatal y fondos de fuentes privadas están disponibles. Para ser considerado para recibir asistencia financiera en Saddleback College, un estudiante debe:

- Completar su solicitud de FAFSA en línea en https://studentaid.gov/h/apply-for-aid/fafsa o la de California Dream Act en https://dream.csac.ca.gov

La oficina está en el edificio Gateway, primer piso. El número de teléfono es (949) 582-4860.

Programa de EOPS

EOPS ayuda a estudiantes que tienen desventajas educacionales y desventajas financieras. El programa EOPS se compromete a ofrecer los siguientes servicios de apoyo: prioridad de inscripción, consejería personal, académica, y transferencia a la universidad, ayuda con el costo de los libros, tutoría, becas y mucho más. Nuestro objetivo es ofrecer a nuestros estudiantes de EOPS los servicios y el apoyo que se necesitan para tener éxito en sus metas académicas y/o vocacionales. Estudiantes interesados pueden visitar o llamar la oficina de EOPS, tenemos personal que puede contestar sus preguntas. La oficina está localizada en el edificio de servicio para estudiantes, oficina 126 o llamar al (949) 582-4620.

Servicios de Tutoría (LRC)

El programa de tutoría (LRC) proporciona servicios de tutores/as gratis de diferentes cursos académicos para satisfacer las necesidades de cada persona. Hay instrucción individual y en grupo. LRC está situado en el segundo piso del edificio LRC (ex biblioteca) salón 212. Para más información, comuníquese al teléfono (949) 582-4519.

Information About Programs

Saddleback College provides a vast offering of programs consisting of both for-credit and noncredit programs. A variety of degrees and other award types may be granted depending on the program being completed.

Credit Program Award Types

- **Associate of Arts Degree (AA) / Associate of Science Degree (AS)** - Associate Degrees are commonly conferred by community colleges. Saddleback College awards Associate Degrees upon a student's satisfactory completion of a program of study. The Associate Degree is one of two types: the Associate of Arts or the Associate of Science. The distinction between the degrees lies in the majors: an Associate of Arts Degree includes at least eighteen units in Social Science, Humanities and Arts courses, while the Associate of Science Degree includes at least eighteen units in Science, Math and Technical courses. For detailed requirements on obtaining these award types, visit the "Graduation Requirement - Degrees" page.
- **Associate in Arts for Transfer (AA-T) / Associate in Science for Transfer (AS-T)** - The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. For detailed requirements on obtaining these award types, visit the "Graduation Requirement - Degrees" page.
- **Certificate of Achievement** - Saddleback College grants Certificates of Achievement in a variety of career/technical subject areas. These Certificates of Achievement may be used to verify a student's proficiency in the skills and knowledge needed for entry-level employment or for career advancement. For detailed requirements on obtaining this award type, visit the "Graduation Requirement - Certificates" page.
- **Occupational Skills Award** - Occupational Skills Awards acknowledge to the recipient and the potential employer achievement of a set of vocational skills in a specific field. These awards may contain from 6 to 15.5 units and do not appear on the student transcript. For detailed requirements on obtaining this award type, visit the "Graduation Requirement - Occupational Skills Award" page.

Noncredit Program Award Types

- **Certificate of Competency** - For students completing noncredit courses in a prescribed pathway, approved by the Chancellor's Office, that prepares students to take credit coursework including basic skills and ESL, a Certificate of Competency may be awarded. For detailed requirements on obtaining this award type, visit the "Graduation Requirement - Certificates" page.
- **Certificate of Completion** - For students completing noncredit courses in a prescribed pathway, approved by the Chancellor's Office, leading to improved employability or job opportunities, a Certificate of Completion may be awarded. For detailed requirements on obtaining this award type, visit the "Graduation Requirement - Certificates" page.

Credit Programs Index

Click on the award type (AAT, AA, AST, AS, CA, CA♦, OSA) to navigate to the program information.

AAT	AA	AST	AS	CA	CA♦	OSA
Associate in Arts for Transfer	Associate of Arts Degree	Associate in Science for Transfer	Associate of Science Degree	Certificate of Achievement - Vocational Program or other area approved by the State Chancellor's Office (16 units or more)	Certificate of Achievement - Vocational Program or other area approved by the State Chancellor's Office (8 to fewer than 16 units)	Occupational Skills Award - Vocational Program (6-15.5 units)

Accounting			AS	CA		
Computerized Accounting Specialist			AS	CA		
Administrative Assistant			AS	CA		
Advanced Manufacturing			AS	CA		
American Sign Language			AS			
American Sign Language Interpreting				CA		
Anthropology		AAT	AA			
Architectural Drafting						
Architecture			AS	CA		
Construction Inspection			AS	CA		
Art						
Photography			AA			
Studio Arts		AAT	AA			
Art History		AAT				
Astronomy			AS			
Automotive Technology						
Alternative Fuel Vehicle Specialist			AS	CA		
Automotive Chassis Specialist			AS	CA		
Automotive Chassis Systems				CA		
Automotive Electric Vehicle Technician				CA		
Automotive Engine Diagnostics Technician				CA		
Automotive Engine Performance Specialist			AS	CA		
Automotive Engine Repair Technician				CA		
Automotive Engine Service Specialist			AS	CA		
Automotive Suspension Technician				CA		
Automotive Technician Fundamentals					CA♦	
Autonomous and Advanced Vehicle Systems				CA		
General Automotive Technician			AS	CA		
Biology		AST	AS			
Business						
Business Administration 2.0		AST				
Banking and Finance			AS	CA		
Business Communication Skills					CA♦	
Business Communications				CA		
Business Education Core					CA♦	
Business Education Foundations				CA		
Business Leadership			AS	CA		

Business Management		AS		
Entrepreneurship		AS	CA	OSA
General Business			CA	
Global Business		AS	CA	
Human Resources		AS	CA	
Human Resources Management				OSA
Logistics and Physical Distribution		AS	CA	
Marketing		AS	CA	
New Media Marketing			CA♦	
Project Management				OSA
Workplace Readiness			CA♦	
Chemistry		AS		
Child Development and Education				
Associate Teacher Level I			CA♦	
Associate Teacher Level II: Work Experience			CA♦	
Child and Adolescent Development	AAT			
Early Childhood Education	AST			
Early Childhood Teacher			CA	
Elementary Teacher Education: Integrated Programs	AAT			
Cinema-Television-Radio		AS	CA	
Cinema-Television-Radio Career Skills			CA♦	
Film, Television, and Electronic Media	AST			
Music and Audio Production for Cinema, TV, and Radio			CA♦	
Communication Studies 2.0	AAT			
Computer Information Management				
Applications Developer		AS	CA	
Business Data Analytics and Database		AS		
Cybersecurity/Information Security Analyst			CA	
Data Analytics			CA	
E-Commerce Specialist		AS	CA	
Network Administrator		AS	CA	
Networking Administrator Essentials			CA♦	
Software Specialist		AS	CA	
Web Designer		AS	CA	
Webmaster		AS	CA	
Computer Maintenance Technology		AS	CA	
Computer Science	AST	AS		
Cyber Defense		AS		
Cyber Operations			CA	
Cosmetology				
Salon Management			CA	
Culinary Arts				
Advanced Baking and Pastry		AS	CA	
Advanced Culinary Arts		AS	CA	
Catering and Special Events		AS	CA	
Introduction to Baking and Pastry			CA	
Introduction to Culinary Arts		AS	CA	
Dance		AA		
Drafting Technology		AS	CA	
Economics	AAT	AA		
Electronic Technology				
Analog and Digital Circuit Electronic Technology		AS	CA	

Basic Analog and Digital Electronics				OSA
Digital Electronic Technology		AS	CA	
General Electronic Technology		AS	CA	
Emergency Medical Technician				OSA
Engineering		AS		
English	AAT			
Creative Writing		AA		
English Literature		AA		
Environmental Science	AST			
Environmental Studies		AA		
Ecological Restoration			CA	
Water Resources and Conservation			CA	
Family and Consumer Sciences		AS	CA	
Fashion Design		AS	CA	
Accessory Design				OSA
Advanced Fashion Design and Apparel Manufacturing			CA	
Costuming			CA	
Fashion Technology				OSA
Sustainable Fashion and Social Entrepreneurship				OSA
Fashion Merchandising		AS	CA	
Fashion Display and Presentation		AS		
Event Planner				OSA
Fashion Stylist				OSA
Visual Display and Presentation			CA	
Gender and Sexuality Studies		AA		
General Education/Studies				
Cal-GETC			CA	
General Studies - Arts & Humanities		AA		
General Studies - Interdisciplinary Studies		AA		
General Studies - Natural Sciences		AA		
General Studies - Social & Behavioral Sciences		AA		
Liberal Studies		AA		
Geography	AAT	AA		
Global Studies	AAT			
Geology	AST			
Graphics				
Biomedical Illustration			CA	
Computer Graphics		AS	CA	
Games and Interactive Media		AS		
Games and Interactive Media - Animation			CA♦	
Games and Interactive Media - Design			CA♦	
Graphic Communications		AS	CA	
Graphic Design		AS	CA	
Illustration/Animation		AA	CA	
Surface Design			CA♦	
Health Sciences		AS		
History	AAT	AA		
Horticulture/Landscape Design				
Agriculture Plant Science	AST			
The Business of Horticulture and Landscape Design			CA♦	
General Horticulture				OSA
General Landscape Design				OSA
Plant Identification				OSA
Sustainable Horticulture		AS	CA	

Sustainable Landscape Design		AS	CA	
Urban Farming			CA♦	
Wellness Gardening			CA♦	
Hospitality Management	AST	AS	CA	
Human Services				
Administration of Justice	AST			
Alcohol and Drug Studies		AS	CA	
Community-Based Corrections				OSA
Eating Disorders				OSA
Human Services Generalist		AS	CA	
Mental Health Worker		AS	CA	
Social Work and Human Services	AAT			
Humanities		AA		
Industrial Automation Fundamentals			CA	
Interior Design		AS		
Interior Design Digital Production			CA	
Kitchen and Bath Design			CA	
Level I - Interior Design Foundations			CA	
Level II - Interior Design			CA	
Level III - Interior Design Professional			CA	
International Languages				
Arabic		AA		
Chinese		AA		
French		AA		
German		AA		
Japanese		AA		
Korean		AA		
Persian		AA		
Spanish	AAT	AA		
Journalism	AAT			
Digital Media			CA	
Journalism and New Media		AS		
Kinesiology	AAT	AA		
Coaching				OSA
Holistic Health Studies			CA♦	
Integrative Health for Fitness and Wellness Professionals			CA	
Kinesiology - Exercise Science		AA		
Kinesiology - Sports Administration		AA		
Personal Training Specialist			CA♦	
Yoga Instructor			CA♦	
Law, Public Policy, and Society	AAT			
Library Technician			CA♦	
Mathematics		AA		
Mathematics 2.0	AST			
Medical Assistant				
Administrative Medical Assistant			CA	
Clinical Medical Assistant			CA	
Comprehensive Medical Assistant			CA	
Medical Insurance Billing				OSA
Medical Scribe			CA♦	
Medical Laboratory Technician		AS	CA	
Music	AAT	AA		
Basic Music Skills			CA♦	
Commercial Music			CA	
Community Music Teaching			CA♦	

Instrumental Studies			CA		
Jazz Composition			CA		
Jazz Studies			CA		
Keyboard Studies			CA		
Music and Audio Production for Cinema, TV, and Radio			CA♦		
Music Composition			CA		
Music Production Entrepreneurship			CA♦		
Music Production					OSA
Piano Pedagogy			CA		
Vocal Studies			CA		
Nursing					
Licensed Vocational Nurse (LVN) to Registered Nurse (RN) 30-Unit Option			CA		
Registered Nurse		AS	CA		
Nutrition		AS	CA		
Geriatric Nutrition			CA♦		
Nutrition and Dietetics	AST				
Sports Nutrition			CA♦		
Sustainable Food Systems			CA♦		
Paramedic		AS	CA		
Philosophy	AAT	AA			
Physics	AST	AS			
Political Science	AAT				
Psychology	AAT				
Public Health					
Community Health Worker			CA		
Public Health	AST				
Public Health Informatics and Technology			CA		
Real Estate		AS	CA♦		
Real Estate Appraisal		AS	CA♦		
Real Estate Escrow		AS	CA		
Sociology	AAT				
Aging Studies			CA		
Aging Studies Interdisciplinary			CA♦		
Surgical Technology		AS			
Theatre Arts	AAT				
Musical Theatre	AA				
Scenic Art and Painting					OSA
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ACCESSORY DESIGN - Occupational Skills Award

Summary

The Accessory Design Occupational Skills Award prepares students with the skills necessary to become a successful designer of shoes, bags, millinery, jewelry, small leather goods, shawls, ties, pocket squares and other accessories. The curriculum provides students with instruction and practice in design skills, product development, technical skills, sourcing materials, and manufacturing the final goods. Students will experience designing a line from initial concept to final creation. Students have the option of taking a course to prepare for the Apparel Information Management System (AIMS) exam and will receive certification upon passing of exam.

After completion of the skills award, students will be eligible for a position in the following areas: assistant accessory designer, accessory designer, shoe designer, high performance shoe designer, milliner, handbag designer, small leather goods designer, technical designer for accessories, accessory product developer, sourcing and manufacturer of accessories.

Learning Outcome(s):

- Produce a professional portfolio showcasing accessory design and construction skills.
- Develop a line of accessories tracing process from initial product concept to final sample product.
- Create a manufacturing plan complete with: sourcing product, product specification sheets, and final cost analysis.
- Design and execute footwear or millinery projects developing skills and knowledge of their unique manufacturing process.
- Utilize current industry technology available to develop and market product.

Requirements

Required Core: **Units:** 13.0-14.0

FASH 100	SEWING FOR FASHION DESIGN I	3.0
Select one		2.0-3.0
FASH 217	FOOTWEAR DESIGN AND CONSTRUCTION	2.0
OR		
FASH 223	MILLINERY DESIGN	3.0
FASH 240	DYE PROCESSES ON FABRICS	3.0
Select FASH 155 OR FASH 204 AND FASH 225		2.0
FASH 155 * «	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204 «	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225 «	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0
FASH 224	ACCESSORY DESIGN	3.0

Total: 13.0-14.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
« Take FASH 155 OR both FASH 204 and FASH 225.

ACCOUNTING - A.S. Degree

Summary

This program meets a substantial portion of the 24-unit Accounting course requirement to take the California CPA exam. It is intended primarily for students possessing a bachelor’s degree or foreign university equivalent. In addition,

completion of this degree is helpful in securing entry-level accounting positions in business and industry such as Accounts Payable Clerk, Accounts Receivable Clerk, General Ledger Clerk, or Bookkeeper. CPA EXAM AND LICENSURE: Please contact the California Board of Accountancy.

Learning Outcome(s):

- Prepare a set of basic financial statements.
- Calculate and analyze common ratios and numerical relationships that are produced through the accounting cycle.
- Demonstrate proficiency in processing the accounting cycle for a business.
- Demonstrate proficiency in communicating financial information in the subject area.
- Present an oral presentation in the designated subject area.

Requirements

Required Core: **Units:** 24.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
ACCT 202A *	INTERMEDIATE ACCOUNTING I	3.0
ACCT 202B *	INTERMEDIATE ACCOUNTING II	3.0
ACCT 216 *	INDIVIDUAL INCOME TAX	4.0
ACCT 217 *	PARTNERSHIP AND CORPORATE TAXATION	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0

Restricted Electives: Select one course (2-4 units) **Units:** 2.0-4.0

ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
ACCT 180WE *	ACCOUNTING WORK EXPERIENCE	2.0
ACCT 203 *	COST ACCOUNTING	3.0
ACCT 210 *	ACCOUNTING ETHICS	4.0
ACCT 215	GENERAL ACCOUNTING	3.0
ACCT 221 *	ACCOUNTING INFORMATION SYSTEMS	3.0
ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
ACCT 261 *	FINANCIAL STATEMENT ANALYSIS	3.0
ACCT 275 *	AUDITING	3.0
ACCT 276 *	ACCOUNTING FRAUD EXAMINATION	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 26.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ACCOUNTING - Certificate of Achievement

Summary

This program meets a substantial portion of the 24-unit accounting course requirement to take the California CPA exam. It is intended primarily for students possessing a bachelor's degree or foreign university equivalent. In addition, completion of this certificate is helpful in securing entry-level accounting positions in business and industry such as Accounts Payable Clerk, Accounts Receivable Clerk, General Ledger Clerk, or Bookkeeper. CPA EXAM AND LICENSURE: Please contact the California Board of Accountancy.

Learning Outcome(s):

- Prepare a set of basic financial statements.
- Calculate and analyze common ratios and numerical relationships that are produced through the accounting cycle.
- Demonstrate proficiency in processing the accounting cycle for a business.
- Demonstrate proficiency in communicating financial information in the subject area.
- Present an oral presentation in the designated subject area.

Requirements

Required Core: **Units:** 24.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
ACCT 202A *	INTERMEDIATE ACCOUNTING I	3.0
ACCT 202B *	INTERMEDIATE ACCOUNTING II	3.0
ACCT 216 *	INDIVIDUAL INCOME TAX	4.0
ACCT 217 *	PARTNERSHIP AND CORPORATE TAXATION	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0

Restricted Electives: Select one course (2-4 units) **Units:** 2.0-4.0

ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
ACCT 180WE *	ACCOUNTING WORK EXPERIENCE	2.0
ACCT 203 *	COST ACCOUNTING	3.0
ACCT 210 *	ACCOUNTING ETHICS	4.0
ACCT 215	GENERAL ACCOUNTING	3.0
ACCT 221 *	ACCOUNTING INFORMATION SYSTEMS	3.0
ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
ACCT 261 *	FINANCIAL STATEMENT ANALYSIS	3.0
ACCT 275 *	AUDITING	3.0
ACCT 276 *	ACCOUNTING FRAUD EXAMINATION	3.0

Total: 26.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADMINISTRATION OF JUSTICE - AS-T Degree

Summary

The Associate in Science in Administration of Justice for Transfer degree involves the study of the essential functions, roles, principles and systems of the police, the courts and corrections. This course of study will provide foundational skills and knowledge of the criminal justice system, criminal law and ethics and the variety of careers in administrative justice and related fields.

Upon completion of the degree, students will have a strong academic foundation in Administrative Justice and satisfy lower division requirements for transfer in preparation for upper division baccalaureate study or entry into the workforce. The Associate in Science in Administration of Justice for Transfer degree provides a strong foundation in skills and knowledge for careers in detention, probation, parole, law enforcement, paralegal and the courts. Students who complete this degree receive priority admission to the CSU system, though admission to a specific campus or major is not guaranteed.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Differentiate the roles of the law enforcement, courts and corrections systems of criminal justice.
- Recognize the importance of, and practice of, ethical behavior in a professional criminal justice work setting, both within the agency and within the community.
- Properly document a criminal investigation, crime analysis report, intelligence report, or other criminal justice documentation.
- Demonstrate an understanding of contemporary issues in law enforcement and operational impact by analyzing crime prevention issues relevant to the justice system and public safety using methods acceptable per industry recognized standards for entry-level positions.
- Critically consider, analyze, and research special issues in criminology and criminal justice and their effects on society.

Requirements

Required Core: **Units:** 6.0

Select either:		3.0
HS 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
OR		
SOC 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
Select either:		3.0
HS 37	INTRODUCTION TO CRIMINOLOGY	3.0
OR		
SOC 37	INTRODUCTION TO CRIMINOLOGY	3.0

List A: Complete both (6 units) **Units:** 6.0

HS 128	COMMUNITY-BASED CORRECTIONS	3.0
HS 187	JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION	3.0

List B: Select two (6 units) **Units:** 6.0

SOCI C1000	Introduction to Sociology	3.0
SOCI C1000H	Introduction to Sociology - Honors	3.0

BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology - Honors	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADMINISTRATIVE ASSISTANT - A.S. Degree

Summary

The Administrative Assistant program prepares individuals for employment in key staff positions or enhances existing skills of office assistants, office managers, and other professionals. Students will learn a broad range of computer competencies targeting a diverse and multicultural workforce. Students who pursue a career as an Administrative Assistant will use their job skills in technical professional business environments.

Learning Outcome(s):

- Demonstrate key skills for employment in the areas of Administrative Assistant and Executive Administrative Assistant.
- Apply job skills in technical professional business environments.
- Demonstrate comprehensive, broad range computer competencies targeting a diverse and multicultural workforce.

Requirements

Required Core: **Units:** 18.0-19.0

BUS 103	BUSINESS ENGLISH	3.0
Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0

Restricted Electives (3 units): **Units:** 3.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
CIM 120	COMPUTER LITERACY	1.5
CIMA 106	DATABASE - ACCESS	3.0
CIMA 212	MANAGING PROJECTS WITH MICROSOFT PROJECT	3.0

CIMA 223A	COMPUTERIZED ACCOUNTING - QUICKBOOKS--BEGINNING	1.5
CIMA 223B *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--ADVANCED	1.5
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADMINISTRATIVE ASSISTANT - Certificate of Achievement

Summary

The Administrative Assistant Certificate program prepares individuals for employment in key staff positions or enhances existing skills of office assistants, office managers, and other professionals. Students will learn a broad range of computer competencies targeting a diverse and multicultural workforce. Students who pursue a career as an Administrative Assistant will use their job skills in technical professional business environments.

Learning Outcome(s):

- Demonstrate key skills for employment in the areas of Administrative Assistant and Executive Administrative Assistant.
- Apply job skills in technical professional business environments.
- Demonstrate comprehensive, broad range computer competencies targeting a diverse and multicultural workforce.

Requirements

Required Core: **Units:** 18.0-19.0

BUS 103	BUSINESS ENGLISH	3.0
Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0

CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0

Restricted Electives (3 units): **Units:** 3.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
CIM 120	COMPUTER LITERACY	1.5
CIMA 106	DATABASE - ACCESS	3.0
CIMA 212	MANAGING PROJECTS WITH MICROSOFT PROJECT	3.0
CIMA 223A	COMPUTERIZED ACCOUNTING - QUICKBOOKS--BEGINNING	1.5
CIMA 223B *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--ADVANCED	1.5
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation: see course description.

ADMINISTRATIVE MEDICAL ASSISTANT - Certificate of Achievement

Summary

The Administrative Medical Assistant program prepares the student for employment as an administrative (front office) medical assistant in a medical office, clinic or outpatient center. This certificate program is designed to help meet industry demand, offering education and training on soft skills, appointment scheduling, reception duties, managing patient medical records, insurance authorizations, reimbursement and coding for the medical office or clinic. Students complete 160 hours of supervised training in a medical office or clinic. All students must meet background clearance and health requirements prior to enrolling in MA 217A. A minimum grade of "C" in all courses is required. Letter grade only. Upon completion of this certificate program, students may sit for the California Certification Board of Medical Assistant (CCMBA) certification examination (CCMA) and the American Academy of Professional Coder (AAPC), Certified Practice Coder (CPC) certification examination.

Learning Outcome(s):

- Demonstrate administrative medical skills
- Describe legal and ethical practices related to medical care
- Demonstrate medical office employability skills

Requirements

Required Core: **Units:** 18.0

MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0
MA 224A	BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
MA 282	FUNDAMENTALS OF MEDICAL PRACTICE CODING	3.0
HSC 104	MEDICAL TERMINOLOGY	3.0
MA 217A *	MEDICAL ASSISTING CLINICAL EXPERIENCE--ADMINISTRATIVE	3.0

Restricted Electives: Select one course (3 units) **Units:** 3.0

MA 230	CERTIFIED PROFESSIONAL CODER(CPC) EXAM PREPARATION	3.0
CIM 112	MICROSOFT OFFICE	3.0

Total: 21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADVANCED BAKING AND PASTRY - A.S. Degree

Summary

The Advanced Baking and Pastry Associate of Science degree is a stackable award that builds upon the coursework in the Introduction to Baking and Pastry Certificate of Achievement and prepares students for entry to midlevel career opportunities in bakeries, restaurants, catering, hotels, and other food service businesses. Students gain practical training in the use of commercial equipment and acquire the skills necessary to be successful in the field of baking such as production baking, candy making, specialty cakes, plated desserts, artisan breads, menu development, portion control, and cost control. The program combines management theory and practical application of skills and abilities preparing students to meet the needs of employers. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate foundational and advanced baking techniques.
- Evaluate a variety of finished baking products based on visual appeal, consistency, taste, and proper preparation techniques.
- Demonstrate proficient safety and sanitation production practices as related to the food service industry.
- Demonstrate preparation for entry to midlevel employment in the food service industry in the specialized area of baking and pastry.

Requirements

Required Core: **Units:** 38.0-40.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 208 *	CONTEMPORARY TOPICS IN FOOD SERVICE	2.0
CUL 249 *	PRINCIPLES OF ARTISAN BAKING	4.0
CUL 245 *	BAKING FUNDAMENTALS II	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 250 *	SUGAR CONFECTIONERY	1.0
CUL 246 *	ADVANCED BAKING AND PASTRY	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0
CUL 251 *	CHOCOLATE CONFECTIONERY	1.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 38.0-40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

ADVANCED BAKING AND PASTRY - Certificate of Achievement

Summary

The Advanced Baking and Pastry Certificate of Achievement is a stackable award that builds upon the coursework in the Introduction to Baking and Pastry Certificate of Achievement and prepares students for entry to midlevel career opportunities in bakeries, restaurants, catering, hotels, and other food service businesses. Students gain practical training in the use of commercial equipment and acquire the skills necessary to be successful in the field of baking such as: production baking, candy making, specialty cakes, plated desserts, artisan breads, menu development, portion control, and cost control. The program combines management theory and practical application of skills and abilities preparing students to meet the needs of employers. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate foundational and advanced baking techniques.
- Evaluate a variety of finished baking products based on visual appeal, consistency, taste, and proper use of preparation techniques.
- Demonstrate proficient safety and sanitation production practices as related to the food service industry.
- Demonstrate preparation for entry to midlevel employment in the food service industry in the specialized area of baking and pastry.

Requirements

Required Core: **Units:** 38.0-40.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 208 *	CONTEMPORARY TOPICS IN FOOD SERVICE	2.0
CUL 249 *	PRINCIPLES OF ARTISAN BAKING	4.0
CUL 245 *	BAKING FUNDAMENTALS II	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 250 *	SUGAR CONFECTIONERY	1.0
CUL 246 *	ADVANCED BAKING AND PASTRY	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0
CUL 251 *	CHOCOLATE CONFECTIONERY	1.0

Total: 38.0-40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

ADVANCED CULINARY ARTS - A.S. Degree

Summary

The Advanced Culinary Arts Associate of Science degree is a stackable award that builds upon the coursework in the Introduction to Culinary Arts program and prepares students for many contemporary entry to midlevel employment opportunities within the restaurant and hospitality industries as professional culinarians. Some of these positions include, but are not limited to, institution and cafeteria cooks, private household chefs, food preparation workers, food service managers, cooks, supervisors of food preparation and serving workers, and line and prep cooks in all areas of restaurant and hospitality industries. The program offers coursework for both career training and professional improvement. Students will be provided with the essential skills of food safety and sanitation, foundational and advanced cooking and baking, various ethnic and regional cuisines as well as operations and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate skill in culinary methods and techniques, including culinary knowledge, and organization (mise en place*).
- Apply scientific knowledge and principles of nutrition, product knowledge, ingredient functionality, sanitation, and food safety.
- Demonstrate strong teamwork and collaboration skills while exemplifying professionalism and leadership.
- Apply basic management principles and practice service techniques and use of service equipment.

Requirements

Required Core: **Units:** 36.0-38.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 201 *	CULINARY PRINCIPLES II	4.0
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 208 *	CONTEMPORARY TOPICS IN FOOD SERVICE	2.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 270 *	MENU PLANNING AND PURCHASING	2.0
CUL 275 *	DINING ROOM SERVICE	4.0
HRM 154	HOSPITALITY COST CONTROL	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

CUL 160 *	WORLD CUISINES	3.0
CUL 180WE	CULINARY ARTS WORK EXPERIENCE	2.0
CUL 206 *	FOOD AND WINE PAIRING	2.0
CUL 260 *	CUISINES AND CULTURES OF THE AMERICAS	3.0
CUL 263 *	CUISINES AND CULTURES OF EUROPE	3.0

CUL 265 *	CUISINES AND CULTURES OF THE MEDITERRANEAN	3.0
CUL 267 *	CUISINES AND CULTURES OF ASIA	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 38.0-41.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

ADVANCED CULINARY ARTS - Certificate of Achievement

Summary

The Advanced Culinary Arts Certificate of Achievement is a stackable award that builds upon the coursework in the Introduction to Culinary Arts program and prepares students for many contemporary entry to midlevel employment opportunities within the restaurant and hospitality industries as professional culinarians. Some of these positions include, but are not limited to, institution and cafeteria cooks, private household chefs, food preparation workers, food service managers, cooks, supervisors of food preparation and serving workers, and line and prep cooks in all areas of restaurant and hospitality industries. The program offers coursework for both career training and professional improvement. Students will be provided with the essential skills of food safety and sanitation, foundational and advanced cooking and baking, various ethnic and regional cuisines as well as operations and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate skill in culinary methods and techniques, including culinary knowledge, and organization (mise en place*).
- Apply scientific knowledge and principles of nutrition, product knowledge, ingredient functionality, sanitation, and food safety.
- Demonstrate strong teamwork and collaboration skills while exemplifying professionalism and leadership.
- Apply basic management principles and practice service techniques and use of service equipment.

Requirements

Required Core: **Units:** 36.0-38.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0

CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 201 *	CULINARY PRINCIPLES II	4.0
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 208 *	CONTEMPORARY TOPICS IN FOOD SERVICE	2.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 270 *	MENU PLANNING AND PURCHASING	2.0
CUL 275 *	DINING ROOM SERVICE	4.0
HRM 154	HOSPITALITY COST CONTROL	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

CUL 160 *	WORLD CUISINES	3.0
CUL 180WE	CULINARY ARTS WORK EXPERIENCE	2.0
CUL 206 *	FOOD AND WINE PAIRING	2.0
CUL 260 *	CUISINES AND CULTURES OF THE AMERICAS	3.0
CUL 263 *	CUISINES AND CULTURES OF EUROPE	3.0
CUL 265 *	CUISINES AND CULTURES OF THE MEDITERRANEAN	3.0
CUL 267 *	CUISINES AND CULTURES OF ASIA	3.0

Total: 38.0-41.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

ADVANCED FASHION DESIGN AND APPAREL MANUFACTURING - Certificate of Achievement

Summary

The Advanced Fashion Design and Apparel Manufacturing certificate prepares Fashion Design students to enter the field of fashion design and apparel manufacturing. It explores the fashion industry and apparel line development from concept to creation. Coursework provides opportunities for students to develop skills further in industrial sewing and advanced garment construction with courses featuring advanced sewing, couture sewing, tailoring, advanced/CAD pattern making, and advanced draping. Additionally, this program provides students with the skills necessary to develop their own line of clothing with courses in apparel design, designing for the fashion industry, Illustrator, and Photoshop. Students will explore textiles, sourcing, spec sheets and pricing. Students will be encouraged to push their creativity and entrepreneurship. All Fashion Design majors will complete an industry internship, create an industry resume/portfolio and tour major fashion companies in the southern CA area. All students will have the opportunity to participate and show their work in the annual fashion show. Students who complete the Fashion Design program and then complete this advanced program will not only be able to design clothing but will also be able to participate in many of the manufacturing processes. They will be prepared for entry-level positions in occupations that include: Assistant Fashion Designer, Design Room Assistant, Advanced Sewing Machine Operator, Sourcing Specialist, Tailor, Dressmaker, Custom Sewer, Fabric and Apparel Patternmaker, CAD Patternmaker, Alteration and Fitting Specialist, Technical Designer, and Fashion Entrepreneur.

Learning Outcome(s):

- Produce a professional portfolio showcasing their advanced design skills. This portfolio will increase job opportunities in the field as well as promotion for those already employed.
- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their advanced design skills. This will increase job opportunities in the field as well as promotion for those already employed.
- Design a line of clothing from concept to creation with constructed samples and manufacturing plan.

Requirements

Required Core: **Units:** 52.0-53.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 111 *	SEWING FOR FASHION DESIGN II	3.0
Select one		3.0
FASH 112 *	FASHION SEWING--ADVANCED	3.0
OR		
FASH 211 *	ADVANCED DRESSMAKING AND CUSTOM SEWING	3.0
OR		
FASH 120 *	TAILORING	3.0
FASH 113 *	COUTURE SEWING	2.0
Select one		3.0
FASH 124 *	WEARABLE ART	3.0
OR		
FASH 240	DYE PROCESSES ON FABRICS	3.0
OR		
FASH 205 *	CORSET CONSTRUCTION	3.0
FASH 130 *	FLAT PATTERN DESIGN	4.0
FASH 132 *	DRAPING FASHION DESIGNS	3.0
Select one		3.0
FASH 136 *	APPAREL DESIGN	3.0
OR		
FASH 251 *	DESIGNING FOR A CAUSE AND SUSTAINABLE FASHION	3.0
OR		
FASH 224	ACCESSORY DESIGN	3.0
Select one		3.0
FASH 141	APPAREL SELECTION	3.0
OR		
FASH 230 *	ALTERATIONS AND FITTING	3.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
FASH 154	FASHION ILLUSTRATION	3.0
Select one		1.0
FASH 247	SPECIAL EVENTS PARTICIPATION	1.0
OR		
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0
Select one		2.0-3.0
FASH 234 *	ADVANCED PATTERN AND DESIGN TECHNIQUES	2.0
OR		

FASH 238 *	ADVANCED DRAPING AND FASHION DESIGN	2.0
OR		
FASH 131 *	CAD PATTERNMAKING WITH TUKATECH	3.0
FASH 235 *	DESIGNING FOR THE FASHION INDUSTRY	2.0
Select FASH 155 or FASH 204 and FASH 225		2.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0

Restricted Electives: Select two courses (2 units) **Units:** 2.0

FASH 212	CONSTRUCTION LAB	1.0
FASH 213 *	DESIGNER'S LAB	1.0
FASH 214 *	COUTURE LAB	1.0
FASH 216	COSTUMER'S LAB	1.0
FASH 219	DRESSMAKING LAB	1.0
FASH 220 *	TAILOR'S LAB	1.0

Total: 54.0-55.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

ADVANCED MANUFACTURING - A.S. Degree

Summary

Advanced Manufacturing addresses the competencies required by technical, engineering, and management professionals working in industry where products are designed and developed, with specific emphasis on manufacturing and model making, using Additive and Subtractive Manufacturing.

The program is designed to develop a solid educational foundation for graduates to work closely with engineers, designers, and professionals in multiple industries, using additive processes for product development, 3D visualization, art, entertainment, architecture, and medical modeling. Automotive, aerospace, defense, medical devices, and green technology are the primary industries within the advanced manufacturing sector. Classroom work in project design is combined with learning laboratory experience utilizing project-based learning. Students will gain valuable hands-on experience using some of the most advanced equipment available. This is a high unit major and students may not be able to complete the associate degree within two years.

Learning Outcome(s):

- Communicate designs in at least one of the languages of mechanical drafting used in manufacturing design: AutoCAD, Solidworks, or Mastercam.
- Demonstrate use of machines commonly found in manufacturing and in rapid prototyping.
- Demonstrate a working knowledge by hands on problem solving of model making, mold making, and casting processes used in manufacturing.

Requirements

Required Core: **Units:** 34.0

Select one	3.0

DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
Select one		3.0
MFG 204 *	3D COMPUTER AIDED DESIGN - SOLIDWORKS	3.0
OR		
DR 200 *	3D PARAMETRIC MODELING - SOLIDWORKS	3.0
MFG 200 *	INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY	3.0
MFG 207	CNC COMPUTER NUMERICAL CONTROL PROGRAMMING I	3.0
MFG 201 *	ADVANCED CAD MODEL MAKING AND TOOLING	3.0
MFG 202	INDUSTRIAL MATERIALS	2.0
MFG 203	INTRODUCTION TO MANUFACTURING PROCESSES	2.0
DR 202 *	GEOMETRIC DIMENSIONING AND TOLERANCING	3.0
MFG 208 *	CNC COMPUTER NUMERICAL CONTROL PROGRAMMING II	3.0
MFG 205	SILICONE AND URETHANE MOLD MAKING	3.0
MFG 206 *	RESIN AND FOAM CASTING	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

DR 201 *	ADVANCED 3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
ET 201	ROBOTICS FUNDAMENTALS	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 36.0-37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADVANCED MANUFACTURING - Certificate of Achievement

Summary

Advanced Manufacturing addresses the competencies required by technical, engineering, and management professionals working in industry where products are designed and developed, with specific emphasis on manufacturing and model making using Additive and Subtractive Manufacturing.

The program is designed to develop a solid educational foundation for graduates to work closely with engineers, designers, and professionals in multiple industries, using additive processes for product development, 3D visualization, art, entertainment, architecture, and medical modeling. Automotive, aerospace, defense, medical devices, and green technology are the primary industries within the advanced manufacturing sector. Classroom work in project design is combined with learning laboratory experience utilizing project-based learning. Students will gain valuable hands-on experience using some of the most advanced equipment available.

Learning Outcome(s):

- Communicate designs in at least one of the languages of mechanical drafting used in manufacturing design: AutoCAD, Solidworks, or Mastercam.
- Demonstrate use of machines commonly found in manufacturing and in rapid prototyping.
- Demonstrate a working knowledge by hands on problem solving of model making, mold making, and casting processes used in manufacturing.

Requirements

Required Core: **Units:** 34.0

Select one		3.0
DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
Select one		3.0
MFG 204 *	3D COMPUTER AIDED DESIGN - SOLIDWORKS	3.0
OR		
DR 200 *	3D PARAMETRIC MODELING - SOLIDWORKS	3.0
MFG 200 *	INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY	3.0
MFG 207	CNC COMPUTER NUMERICAL CONTROL PROGRAMMING I	3.0
MFG 201 *	ADVANCED CAD MODEL MAKING AND TOOLING	3.0
MFG 202	INDUSTRIAL MATERIALS	2.0
MFG 203	INTRODUCTION TO MANUFACTURING PROCESSES	2.0
DR 202 *	GEOMETRIC DIMENSIONING AND TOLERANCING	3.0
MFG 208 *	CNC COMPUTER NUMERICAL CONTROL PROGRAMMING II	3.0
MFG 205	SILICONE AND URETHANE MOLD MAKING	3.0
MFG 206 *	RESIN AND FOAM CASTING	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

DR 201 *	ADVANCED 3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
ET 201	ROBOTICS FUNDAMENTALS	2.0

Total: 36.0-37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AGING STUDIES - Certificate of Achievement

Summary

The Aging Studies Certificate is a multidisciplinary approach to the study of aging, the aging process, and working with older adults. Biological, sociological, and psychological aspects of aging are explored. The certificate aims to educate individuals seeking a career in the field of aging, pursuing advancement in their careers, and/or who desire to expand their knowledge for personal growth. The certificate allows students to choose elective courses and provides suggested pathways and career objectives. Employment opportunities may include: business, marketing, environmental design, nutrition, health, recreation, fitness, food services/preparation, social/human services, senior communities, home health care, caregiving, and travel. Additional certification, degrees, and/or training may be required for the fields listed depending on the employer and occupation.

Learning Outcome(s):

- Explain the key sociological, psychological, and biological concepts associated with the study of aging.
- Apply theoretical perspectives to analyze current and historical topics associated with the study of aging.
- Evaluate the family, government, and community support systems for diverse groups of aging individuals.
- Demonstrate knowledge and skills in one of the suggested pathways of study within the Aging Studies Certificate Program.

Requirements

Required Core: **Units:** 12.0

SOC 18	INTRODUCTION TO AGING	3.0
SOC 16	DEATH AND DYING	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0
SOC 12	SOCIOLOGY OF AGING	3.0

Restricted Electives (9-10 units): **Units:** 9.0-10.0

Pathways are suggested areas of focus, but completion of any of the courses on the restricted electives list can be used to complete the elective unit requirement.

Pathway 1: Business		
BUS 16	PERSONAL LAW,STREET LAW	3.0
BUS 135	MARKETING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
BUS 172	FINANCIAL LITERACY	3.0
Pathway 2: Environmental Design		
ARCH 18	HUMAN FACTORS DESIGN AND PSYCHOLOGY OF THE BUILT ENVIRONMENT	3.0
ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 219 *	RESIDENTIAL AND COMMERCIAL SPACE PLANNING	4.0
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
Pathway 3: Nutrition and Culinary		
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
CUL 232	TECHNIQUES OF HEALTHY COOKING	1.0
Pathway 4: Healthcare		
MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0

MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
N 204	BEGINNING NURSING CONCEPTS	2.0
Pathway 5: Health and Wellness		
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
HSC 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
OR		
KNEA 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 60 *	ANATOMY AND FUNDAMENTALS OF YOGA	3.0
KNES 220	HOLISTIC HEALTH - UNDERLYING MECHANISMS	3.0
Pathway 6: Human Services		
HS 120 *	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description

AGING STUDIES INTERDISCIPLINARY - Certificate of Achievement

Summary

The Aging Studies Interdisciplinary Certificate focuses on the study of aging, the aging process, and working with older adults in a variety of capacities. Sociological, psychological, and biological aspects of aging are explored. This certificate aims to educate individuals about the field of aging, while also allowing them to complete coursework in other associated areas of interest. The goal of the certificate is to primarily equip students who are working toward completing (or have completed) related certificates, degrees, or programs, and/or work in the field of aging with foundational knowledge in gerontology. The interdisciplinary certificate allows students to choose elective courses that match pathways that fit within their current area of study. Career opportunities may include: business, marketing, environmental design, nutrition, nursing, medical assisting, health, wellness, recreation, fitness, food services/preparation, human services, senior communities, home health care, caregiving, and travel/tourism. Additional certification, degrees, and/or training may be required for the fields listed depending on the employer and occupation.

Learning Outcome(s):

- Explain the key sociological, psychological, and biological concepts associated with the study of aging.
- Apply theoretical perspectives to analyze current and historical topics associated with the study of aging.
- Evaluate the family, government, and community support systems for diverse groups of aging individuals.
- Demonstrate knowledge and skills in one of the suggested pathways of study within the Aging Studies Interdisciplinary Certificate Program.

Requirements

Required Core: **Units:** 9.0

SOC 18	INTRODUCTION TO AGING	3.0
Select two courses		6.0

SOC 16	DEATH AND DYING	3.0
SOC 12	SOCIOLOGY OF AGING	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0

Restricted Electives: Complete 3-5 units (1-2 courses) from one of the following pathways **Units:** 3.0-5.0

Pathway 1: Business		
BUS 16	PERSONAL LAW,STREET LAW	3.0
BUS 135	MARKETING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
BUS 172	FINANCIAL LITERACY	3.0
Pathway 2: Environmental Design		
ARCH 18	HUMAN FACTORS DESIGN AND PSYCHOLOGY OF THE BUILT ENVIRONMENT	3.0
ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 219 *	RESIDENTIAL AND COMMERCIAL SPACE PLANNING	4.0
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
Pathway 3: Nutrition and Culinary		
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
CUL 232	TECHNIQUES OF HEALTHY COOKING	1.0
Pathway 4: Healthcare		
MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
N 204	BEGINNING NURSING CONCEPTS	2.0
Pathway 5: Health and Wellness		
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
HSC 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
OR		
KNEA 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 60 *	ANATOMY AND FUNDAMENTALS OF YOGA	3.0
KNES 220	HOLISTIC HEALTH - UNDERLYING MECHANISMS	3.0
Pathway 6: Human Services		
HS 120 *	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0

Total: 12.0-14.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AGRICULTURE PLANT SCIENCE - AS-T Degree

Summary

As a part of the Sustainable Horticulture Program, the Associate in Science in Agriculture Plant Science is an interdisciplinary degree in Plant and Soil Science, (Sustainable/Ornamental) Horticulture, (Urban) Agriculture, Chemistry, Economics, Statistics, or related majors in the CSU system. Through the courses offered, students will learn a broad spectrum of subjects, including plant propagation, breeding, biotechnology, scientific research and laboratory skills, and, sustainable/ornamental horticulture. This program is formative for students interested in pursuing (sustainable/ornamental) horticulture or (urban) farming professions. Earning the Associate in Science for Transfer degree may support attempts to gain entry-level employment in fields such as urban farms, wholesale or retail nurseries, agronomic or entomologic labs, or, golf courses.

The goal of this degree is to provide students with foundational knowledge of the agriculture plant science field and a strong academic preparation for transferring to a CSU campus. Successful completion of the transfer degree in Agriculture Plant Science guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree in Plant Science, Agriculture, Agricultural and Environmental Plant Sciences, Agricultural Science, Agriculture Education, Agriculture Studies, (Sustainable/Ornamental) Horticulture, (Urban) Agriculture, or related majors. Upon completion of a baccalaureate degree, students are well prepared for a career as a plant scientist or researcher, (urban) farm manager, agriculture educator, bio-tech engineer, agronomist, arborist, crop scientist, entomologist, nursery manager, landscape manager or turf management specialist, and, more.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or “P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Communicate and present well with learned contents, when interacting with colleagues and clients, by demonstrating, assessing and performing for (urban) agriculture and (sustainable/ornamental) horticulture.
- Demonstrate the ability to identify, evaluate, and recommend plants, including fruits and vegetables, which are sustainable to the local environment.
- Identify and implement fundamental principles of (urban) farming and (sustainable/ornamental) horticulture with practical applications.

Requirements

Required Core: **Units:** 17.0

HORT 113	SOILS AND FERTILIZERS	3.0
CHEM 3 *	FUNDAMENTAL CHEMISTRY	4.0
Select one		3.0
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0

Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select		4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0

List A: Select one (3 units) **Units:** 3.0

HORT 112	PLANT PROPAGATION	3.0
HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 11	PLANT MATERIALS-EDIBLES	3.0

List B: Complete the following course or any course from List A not already used (3 units) **Units:** 3.0

HORT 120	INTEGRATED PEST MANAGEMENT	3.0

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ALCOHOL AND DRUG STUDIES - A.S. Degree

Summary

The Alcohol and Drug Studies program is accredited by the California Association for Alcohol and Drug Educators (CAADE) and it integrates theory, knowledge, and practical experience in the development of skills necessary to work with individuals and families affected by Substance Use Disorders (SUD), as well as employers of individuals affected by SUD. The Alcohol and Drug Studies program prepares students to take the exam for Certified Addiction Counselors with a state-approved certifying organization. This program option combines the Human Services behavioral core skills training and clinical supervised experiential learning in beginning and advanced practicums in SUD fieldwork settings. The Alcohol and Drug Studies program prepares students for career development in field of behavioral health and the helping professions.

Completion of the five (5) Human Services Core Courses are prerequisites for the application to Fieldwork and Seminar I [HS 110] (Beginning Practicum) course and is required for the completion of the Alcohol and Drug Studies Associate of Science degree. Visit the Human Services website at www.saddleback.edu/programs-degrees/all-programs/human-services to review the Alcohol and Drug Studies Roadmap. Fieldwork and Seminar Information Sessions are scheduled at the end of the fall and spring semesters to inform students of the application process for HS 110. Check the Human Services website for the dates and times.

The application process is competitive, and completion of an application does not guarantee acceptance into the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course. A minimum grade of "C" in all courses is required to receive the certificate. Students who successfully complete the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course may self-enroll in the Fieldwork & Seminar II [HS 150] (Advanced Practicum) course. Students must meet current health and safety requirements for placement.

Potential Careers: Certified Addiction Treatment Counselor, Case Manager, Community Outreach Worker, Halfway House Worker, Intake Specialist, Rehabilitation Case Worker, Residential/House Manager.

Learning Outcome(s):

- Demonstrate best-practice counseling approaches for individuals and families affected by Substance Use Disorders (SUD).
- Utilize effective communication and active listening skills and group counseling facilitation skills.
- Demonstrate the effective use of addiction counseling competencies.
- Apply Human Services behavioral core skills and experiential training in an addiction treatment setting.
- Demonstrate the knowledge, skills, and professional attitudes required for effective delivery of addiction treatment services.
- Apply the Four Transdisciplinary Foundations and Eight Practice Dimensions and Competencies of the Center for Substance Abuse Treatment.

Requirements

Required Core: **Units:** 37.0

HS 100	INTRODUCTION TO HUMAN SERVICES	3.0
HS 101 *	ADDICTION STUDIES COUNSELING SKILLS	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 110 *	FIELD INSTRUCTION AND SEMINAR I	3.5
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 150 *	FIELD INSTRUCTION AND SEMINAR II	3.5
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 172 *	PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0

Restricted Electives: Select one course (3 units) **Units:** 3.0

HS 112	CONFLICT RESOLUTION AND MEDIATION	3.0
HS 120 *	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 128	COMMUNITY-BASED CORRECTIONS	3.0
HS 171	SUBSTANCE ABUSE - INTERVENTION, TREATMENT AND RECOVERY	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description

ALCOHOL AND DRUG STUDIES - Certificate of Achievement

Summary

The Alcohol and Drug Studies program is accredited by the California Association for Alcohol and Drug Educators (CAADE) and it integrates theory, knowledge, and practical experience in the development of skills necessary to work with individuals and families affected by Substance Use Disorders (SUD), as well as employers of individuals affected by SUD. The Alcohol and Drug Studies program prepares students to take the exam for Certified Addiction Counselors with a state-approved certifying organization. This program option combines the Human Services behavioral core skills training and clinical supervised experiential learning in beginning and advanced practicums in SUD fieldwork settings. The Alcohol and Drug Studies program prepares students for career development in field of behavioral health and the helping professions.

Completion of the five (5) Human Services Core Courses are prerequisites for the application to the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course and is required for the completion of the Alcohol and Drug Studies Associate of Science degree. Visit the Human Services website at www.saddleback.edu/programs-degrees/all-programs/human-services to review the HS Program At-A-Glance. Fieldwork and Seminar Information Sessions are scheduled at the end of the Fall and Spring semesters to inform students of the required application process for HS 110. Check the Human Services website for the dates and times.

The application process is competitive, and completion of an application does not guarantee acceptance into the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course. A minimum grade of "C" in all courses is required to receive the certificate. Students who successfully complete the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course may self-enroll in the Fieldwork & Seminar II [HS 150] (Advanced Practicum) course. Students must meet current health and safety requirement for placement.

Potential Careers: Certified Addiction Treatment Counselor, Case Manager, Community Outreach Worker, Halfway House Worker, Intake Specialist, Rehabilitation Case Worker, Residential/House Manager.

Learning Outcome(s):

- Demonstrate best-practice counseling approaches for individuals and families affected by Substance Use Disorders (SUD).
- Utilize effective communication and active listening skills and group counseling facilitation skills.
- Demonstrate the effective use of addiction counseling competencies.
- Apply Human Services behavioral core skills and experiential training in an addiction treatment setting.
- Demonstrate the knowledge, skills, and professional attitudes required for effective delivery of addiction treatment services.
- Apply the Four Transdisciplinary Foundations and Eight Practice Dimensions and Competencies of the Center for Substance Abuse Treatment.
- Demonstrate the knowledge, skills, and professional attitudes required for effective livery of addiction treatment services.

Requirements

Required Core: **Units:** 37.0

HS 100	INTRODUCTION TO HUMAN SERVICES	3.0
HS 101 *	ADDICTION STUDIES COUNSELING SKILLS	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 110 *	FIELD INSTRUCTION AND SEMINAR I	3.5
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 150 *	FIELD INSTRUCTION AND SEMINAR II	3.5
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 172 *	PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0

Restricted Electives: Select one course (3 units) **Units:** 3.0

HS 112	CONFLICT RESOLUTION AND MEDIATION	3.0
HS 120 *	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 128	COMMUNITY-BASED CORRECTIONS	3.0
HS 171	SUBSTANCE ABUSE - INTERVENTION, TREATMENT AND RECOVERY	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0

Total: 40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ALTERNATIVE FUEL VEHICLE SPECIALIST - A.S. Degree

Summary

The Alternative Fuel Vehicle Specialist Associate of Science degree provides students with knowledge of all operating systems in the modern hybrid, alternative fueled automobile, full electric vehicles, and hydrogen fuel cell. The emphasis is on the unique characteristics and maintenance issues associated with hybrid, alternative fuel systems, electric vehicles, and alternative forms of propulsion. Students will be qualified to take the related ASE certification exams upon completion of this program. This degree prepares students for careers such as Automotive Hybrid Technician, Automotive Electric Vehicle Technician, Automotive CNG/LPG Vehicle Technician, or General Automotive Technician. Ideal for the small business owner, independent shop, or the dealership career-oriented technician.

Learning Outcome(s):

- Seek employment in the automotive industry.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance, and repair of alternative fuel vehicles.
- Apply knowledge in the workplace of the different systems of alternative fuel vehicles.
- Take the related Automotive Service Excellence (ASE) certification exams.

Requirements

Required Core: **Units:** 24.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0

Restricted Electives: Complete 3-4 units **Units:** 3.0-4.0

AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0

AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 27.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

ALTERNATIVE FUEL VEHICLE SPECIALIST - Certificate of Achievement

Summary

The Alternative Fuel Vehicle Specialist Certificate of Achievement provides students with knowledge of all operating systems in the modern hybrid, alternative fueled automobile, full electric vehicles, and hydrogen fuel cell. The emphasis is on the unique characteristics and maintenance issues associated with hybrid, alternative fuel systems, electric vehicles, and alternative forms of propulsion. Students will be qualified to take the related ASE certification exams upon completion of this program. This certificate prepares students for careers such as Automotive Hybrid Technician, Automotive Electric Vehicle Technician, Automotive CNG/LPG Vehicle Technician, or General Automotive Technician. Ideal for the small business owner, independent shop, or the dealership career-oriented technician.

Learning Outcome(s):

- Seek employment in the automotive industry.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance, and repair of alternative fuel vehicles.
- Apply knowledge in the workplace of the different systems of alternative fuel vehicles.
- Take the related Automotive Service Excellence (ASE) certification exams.

Requirements

Required Core: **Units:** 24.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0

Restricted Electives: Complete 3-4 units **Units:** 3.0-4.0

AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0

AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Total: 27.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AMERICAN SIGN LANGUAGE - A.S. Degree

Summary

The American Sign Language (ASL) Program is designed to prepare the student to be able to communicate with the Deaf Community in a variety of settings. Their sets of language skills and cultural knowledge allows them to transfer into several different programs such as theater, Health Science/medical, law and Education just to name a few. Proficiency in ASL is valuable to professionals in special education, health sciences, audiology, and speech therapy. Students will be prepared for occupations as agency interpreters, classroom interpreters, theatre interpreters, and assistants/aids to members of the Deaf community.

Learning Outcome(s):

- Demonstrate the skills needs to communicate with the Deaf community at a basic to native level.
- Show in-depth knowledge about the Deaf community and their culture.
- Competently interact with native signers.

Requirements

Required Core: **Units:** 19.0

SL 1 *	AMERICAN SIGN LANGUAGE I	4.0
SL 2 *	AMERICAN SIGN LANGUAGE II	4.0
SL 3 *	AMERICAN SIGN LANGUAGE III	4.0
SL 4 *	AMERICAN SIGN LANGUAGE IV	4.0
SL 10	DEAF CULTURE AND ITS HISTORY	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AMERICAN SIGN LANGUAGE INTERPRETING - Certificate of Achievement

Summary

The American Sign Language (ASL) Interpreting Certificate is designed to prepare the student to be able to communicate with the Deaf Community in a variety of settings. Their sets of language skills and cultural knowledge allows them to pursue further study in fields such as theater, Health Science/medical, law and Education just to name a few. Proficiency in ASL is valuable to professionals in special education, health sciences, audiology, and speech therapy. With the completion of the national certificate exam under RID (Registry of Interpreters for the Deaf), the students will be preparing for occupations as agency interpreters, classroom interpreters, theatre interpreters, and assistants/aids to members of the Deaf community.

Learning Outcome(s):

- Demonstrate the skills needed to communicate with the Deaf community at a basic to native level.
- Show in-depth knowledge about the Deaf community and their culture.
- Competently interact with native signers.
- Demonstrate the skills needed to be able to interpret at a basic to intermediate level depending on setting.

Requirements

Required Core: **Units:** 30.0

SL 1 *	AMERICAN SIGN LANGUAGE I	4.0
SL 2 *	AMERICAN SIGN LANGUAGE II	4.0
SL 3 *	AMERICAN SIGN LANGUAGE III	4.0
SL 4 *	AMERICAN SIGN LANGUAGE IV	4.0
SL 10	DEAF CULTURE AND ITS HISTORY	3.0
SL 121 *	AMERICAN SIGN LANGUAGE INTERPRETING I	3.0
SL 221 *	AMERICAN SIGN LANGUAGE INTERPRETING LAB I	1.0
SL 122 *	AMERICAN SIGN LANGUAGE INTERPRETING II	3.0
SL 222 *	AMERICAN SIGN LANGUAGE INTERPRETING LAB II	1.0
SL 211	ASL FOR HEALTHCARE AND MEDICAL PERSONNEL	3.0

Total: 30.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ANALOG AND DIGITAL CIRCUIT ELECTRONIC TECHNOLOGY - A.S. Degree

Summary

The Analog and Digital Circuit Electronic Technology Associate of Science degree program primarily prepares the student for entry-level employment as an electronic technician in companies involved in the manufacture, testing, troubleshooting, and repair of analog and digital circuit hardware. The program also provides skill updating and upgrading for persons already employed in the electronics industry or related fields. Courses cover a wide variety of discrete and integrated circuits with many functions, technologies, physical implementations, frequency bands, and complexities to provide maximum flexibility for employment within the electronics industry. Possible careers for electronic technicians with this degree include field service technician, medical equipment technician, test and calibration technician, and electronics sales. Some of the courses are transferable to university programs in Engineering Technology or Industrial Technology.

Learning Outcome(s):

- Demonstrate knowledge of common electronic components: identify, describe, and determine the performance of common analog and digital electronic components.

- Demonstrate knowledge of common electronic circuits: identify, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of electronics test equipment: show proper use of and connection to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- Demonstrate electronics troubleshooting skills: state and show troubleshooting skills and procedures for analog and digital electronics.
- Describe and determine the performance of common analog and digital electronic communication systems.

Requirements

Required Core: **Units:** 20.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 118 *	ELECTRONIC COMMUNICATION SYSTEMS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ANALOG AND DIGITAL CIRCUIT ELECTRONIC TECHNOLOGY - Certificate of Achievement

Summary

The Analog and Digital Circuit Electronic Technology certificate program primarily prepares the student for entry-level employment as an electronic technician in companies involved in the manufacture, testing, troubleshooting, and repair of analog and digital circuit hardware. The certificate also provides skill updating and upgrading for persons already employed in the electronics industry or related fields. Courses cover a wide variety of discrete and integrated circuits with many functions, technologies, physical implementations, frequency bands, and complexities to provide maximum flexibility for employment within the electronics industry. Possible careers for electronic technicians with this certificate include field service technician, medical equipment technician, test and calibration technician, and electronics sales.

Learning Outcome(s):

- Demonstrate knowledge of common electronic components: identify, describe, and determine the performance of common analog and digital electronic components.
- Demonstrate knowledge of common electronic circuits: identify, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of electronics test equipment: show proper use of and connection to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- Demonstrate electronics troubleshooting skills: state and show troubleshooting skills and procedures for analog and digital electronics.

- Describe and determine the performance of common analog and digital electronic communication systems.

Requirements

Required Core: **Units:** 20.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 118 *	ELECTRONIC COMMUNICATION SYSTEMS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0

Total: 20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ANTHROPOLOGY - A.A. Degree

Summary

Anthropology is a diverse discipline that investigates the biological and cultural life of human beings across time and place. An anthropology degree provides students with an appreciation of other ways of life and a better understanding of the world in which they live. The curriculum in the Anthropology program is designed to provide the transfer student the opportunity to achieve an Associate of Arts (AA) in Anthropology degree by providing the necessary breadth in the field and an introduction to the methods used. While a baccalaureate or higher degree, which can be achieved through transfer, is recommended for those considering professional careers in anthropology, an associate degree may support attempts to gain entry-level employment as lab technicians, research assistants, museum workers, cultural resource conservators, and other related positions.

Learning Outcome(s):

- Describe the breadth of anthropology and be able to characterize anthropology's distinctive theoretical and methodological approaches with respect to other disciplines.
- Explain the fundamental processes of human biological evolution.
- Describe modern human biological diversity.
- Articulate an understanding of the cultural construction and historical uses of the concept of race.
- Define and critically analyze the concepts of culture and cultural relativism.
- Demonstrate the ability to think holistically and comparatively in describing human cultural diversity.
- Critically analyze the process of globalization and its effects upon cultures around the world.
- Articulate an anthropological perspective on contemporary issues and concerns, including the politics of inclusion and exclusion both locally and globally.
- Discuss the importance of the scientific method in anthropological research.
- Identify the correct methods and ethical responsibilities involved in conducting archaeological, biological, ethnographic, and/or linguistic fieldwork.

Requirements

Required Core: **Units:** 12.0

Select one		3.0
ANTH C1001	Introduction to Biological Anthropology	3.0
OR		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3.0
Select one		3.0
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		

ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
ANTH 3 *	CULTURE AND LANGUAGE	3.0
ANTH 9	INTRODUCTION TO ARCHAEOLOGY	3.0

Restricted Electives: Select two courses (6 units) **Units:** 6.0

ANTH 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ES 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ANTH 5	ANTHROPOLOGY OF LATIN AMERICA - CULTURE, IDENTITY, AND POWER	3.0
ANTH 8	WORLD PREHISTORY	3.0
ANTH 13	MAGIC, WITCHCRAFT, AND RELIGION	3.0
ANTH 19 *	FORENSIC ANTHROPOLOGY	3.0
ANTH 22	MEDICAL ANTHROPOLOGY - CULTURE, HEALTH, AND HEALING	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ANTHROPOLOGY - AA-T Degree

Summary

The curriculum in the Anthropology program is designed to provide the transfer student the opportunity to achieve an Associate in Arts for Transfer (AA-T) degree in anthropology by providing the necessary breadth in the field and an introduction to the methods used. Students who complete the AA-T degree in Anthropology receive priority admission to the California State University system, though admission to a specific campus or major is not guaranteed. While a baccalaureate or higher degree, which can be achieved through transfer, is recommended for those considering professional careers in anthropology, an associate degree may support attempts to gain entry-level employment as lab technicians, research assistants, museum workers, cultural resource conservators, and other related positions.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Describe the breadth of anthropology and be able to characterize anthropology's distinctive theoretical and methodological approaches with respect to other disciplines.
- Explain the fundamental processes of human biological evolution.
- Describe modern human biological diversity.
- Articulate an understanding of the cultural construction and historical uses of the concept of race.
- Define and critically analyze the concepts of culture and cultural relativism.
- Demonstrate the ability to think holistically and comparatively in describing human cultural diversity.
- Critically analyze the process of globalization and its effects upon cultures around the world.
- Articulate an anthropological perspective on contemporary issues and concerns, including the politics of inclusion and exclusion both locally and globally.
- Discuss the importance of the scientific method in anthropological research.
- Identify the correct methods and ethical responsibilities involved in conducting archaeological, biological, ethnographic, and/or linguistic fieldwork.

Requirements

Required Core: **Units:** 9.0

Select one:		3.0
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
Select one:		3.0
ANTH C1001	Introduction to Biological Anthropology	3.0
OR		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3.0
Complete:		3.0
ANTH 9	INTRODUCTION TO ARCHAEOLOGY	3.0

List A: Select one (3 units) **Units:** 3.0

ANTH 3 *	CULTURE AND LANGUAGE	3.0
ANTH 13	MAGIC, WITCHCRAFT, AND RELIGION	3.0
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0

List B: Select two of the following courses or any courses not selected from List A (6 units) **Units:** 6.0

ANTH 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ES 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ANTH 5	ANTHROPOLOGY OF LATIN AMERICA - CULTURE, IDENTITY, AND POWER	3.0
ANTH 8	WORLD PREHISTORY	3.0
ANTH 19 *	FORENSIC ANTHROPOLOGY	3.0
ANTH 22	MEDICAL ANTHROPOLOGY - CULTURE, HEALTH, AND HEALING	3.0
ES 1	INTRODUCTION TO ETHNIC STUDIES	3.0
ES 3	INTRODUCTION TO CHICANX AND LATINX STUDIES	3.0

List C: Select one of the following courses or any course not selected from List A or List B (2-4 units) **Units:** 2.0-4.0

BIO 11 *	HUMAN ANATOMY	4.0
GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
GEOG 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
OR		
GIS 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0

Total: 20.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

APPLICATIONS DEVELOPER - A.S. Degree

Summary

This program is designed to prepare the student for entry-level employment as an Applications Developer. These workers develop and maintain software programs to meet specific business needs. The program emphasizes modern-day programming emphasizing both the most popular language Java and the fastest growing language Python. Also, the universally excepted SQL database language is covered. Students also have the option to pursue concentrations in Microsoft Office applications, especially Excel, along with video game design, web development, and specific Android/ Apple mobile development.

Learning Outcome(s):

- Identify and perform all stages of the Systems Development Lifecycle.
- Demonstrate a working knowledge of database communication language SQL.
- Successfully code, compile, execute, and debug programs in various programming languages.

Requirements

Required Core: **Units:** 9.0

CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0

Restricted Electives (9-11 units): **Units:** 9.0-11.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIM 112	MICROSOFT OFFICE	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 204 *	ADVANCED SPREADSHEETS - EXCEL	3.0
CIMP 3	INTRODUCTION TO VIDEO GAME DESIGN	3.0
CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 115	BUSINESS PROGRAMMING--C#	3.5
CIMP 220	ANDROID MOBILE APPS - BEGINNER	3.5

CIMP 235	IPHONE & IPAD PROGRAMMING BEGINNING	3.5
CIMP 241	CLOUD COMPUTING FOR DEVELOPERS	3.5
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirement for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

APPLICATIONS DEVELOPER - Certificate of Achievement

Summary

This program is designed to prepare the student for entry-level employment as an Applications Developer. These workers develop and maintain software programs to meet specific business needs. The program emphasizes modern-day programming emphasizing both the most popular language Java and the fastest growing language Python. Also, the universally excepted SQL database language is covered. Students also have the option to pursue concentrations in Microsoft Office applications, especially Excel, along with video game design, web development, and specific Android/ Apple mobile development.

Learning Outcome(s):

- Identify and perform all stages of the Systems Development Lifecycle.
- Demonstrate a working knowledge of database communication language SQL.
- Successfully code, compile, execute, and debug programs in various programming languages.

Requirements

Required Core: **Units:** 9.0

CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0

Restricted Electives (8-11 units): **Units:** 8.0-11.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIM 112	MICROSOFT OFFICE	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 204 *	ADVANCED SPREADSHEETS - EXCEL	3.0

CIMP 3	INTRODUCTION TO VIDEO GAME DESIGN	3.0
CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 115	BUSINESS PROGRAMMING--C#	3.5
CIMP 220	ANDROID MOBILE APPS - BEGINNER	3.5
CIMP 235	IPHONE & IPAD PROGRAMMING BEGINNING	3.5
CIMP 241	CLOUD COMPUTING FOR DEVELOPERS	3.5
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Total: 17.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ARABIC - A.A. Degree

Summary

The curriculum in the Arabic program is designed to provide the student the opportunity to achieve an Associate of Arts in Arabic degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree in Arabic will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

An Arabic degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the Arabic program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in Arabic degree.

Learning Outcome(s):

- Accurately interpret written sections in Arabic.
- Accurately interpret spoken language in Arabic.
- Demonstrate proficient conversational skills in Arabic.
- Demonstrate knowledge of the history, politics, literature, culture and arts of the Arabic speaking countries as well as people who speak Arabic.

Requirements

Required Core **Units:** 23.0

ARAB 1 *	ELEMENTARY ARABIC	5.0
ARAB 2 *	ELEMENTARY ARABIC	5.0
ARAB 3 *	INTERMEDIATE ARABIC	5.0
ARAB 4 *	INTERMEDIATE ARABIC	5.0
Select one		3.0
ARAB 10 *	INTERMEDIATE CONVERSATIONAL ARABIC	3.0
OR		
ARAB 21	INTRODUCTION TO ARABIC CULTURE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts Degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ARCHITECTURE - A.S. Degree

Summary

The Associate of Science Degree in Architecture is a two to three-year sequence of courses designed for students who wish to train for employment in architecture or a field related to the construction industry. Majors that students can transfer into include: architecture, architectural engineering, and construction management. This degree is organized to provide the breadth and depth required to practice in entry level positions within the architecture profession and construction industry such as: architectural draftsperson, civil drafter, construction manager, real estate developer, and government building code administration, as well as related construction industry jobs. Students who successfully complete an Associate of Science Degree in Architecture may complete an 8-year internship working for a licensed architect and/or professional engineer and will qualify to take the California Architects License Exam leading to a career as a licensed architect.

Learning Outcome(s):

- Communicate designs in 3 languages of architectural visualization: Board Drafting, AutoCAD, and Revit.
- Demonstrate knowledge of at least 7 of the major periods of architectural history: Ancient Egyptian, Ancient Greek, Ancient Roman, Byzantine, Romanesque, Gothic, Renaissance, Baroque, Neoclassical, Craftsman, Art Nouveau, Art Deco, Modern, and Contemporary Architecture.
- Demonstrate knowledge of current construction materials and techniques for residential and commercial construction.
- Write contract documents used in the architecture, engineering and construction industry.

Requirements

Required Core: **Units:** 53.0

ARCH 10	INTRODUCTION TO ARCHITECTURE	2.0
ARCH 12	HISTORY OF ARCHITECTURE	3.0
Select one		3.0
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
ARCH 124A	ARCHITECTURAL DRAWING I	4.0
ARCH 218	FOUNDATION STUDIO IN ARCHITECTURE	4.0

ARCH 219 *	RESIDENTIAL AND COMMERCIAL SPACE PLANNING	4.0
ARCH 120 *	REVIT AND BUILDING INFORMATION MANAGEMENT(BIM)	4.0
ARCH 121 *	ADVANCED REVIT AND BUILDING INFORMATION MANAGEMENT II	4.0
ARCH 34 *	BASIC ARCHITECTURAL DESIGN I	3.0
ARCH 42 *	DESCRIPTIVE DRAWING AND PERSPECTIVE	3.0
ARCH 122	ARCHITECTURAL PRACTICE	2.0
ARCH 124B	ARCHITECTURAL DRAWING II	4.0
ARCH 124C	ARCHITECTURAL DRAWING III	4.0
ARCH 126	MATERIALS AND METHODS OF CONSTRUCTION	3.0
ARCH 231	LEED AND SUSTAINABLE ARCHITECTURE	3.0

Restricted Electives (3-6 units): **Units:** 3.0-6.0

ARCH 14	CALIFORNIA ARCHITECTURE	3.0
ARCH 132 *	RESIDENTIAL PLANNING, PRINCIPLES AND DESIGN	3.0
ARCH 136 *	BASIC ARCHITECTURAL DESIGN II	3.0
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
ARCH 161	BLUEPRINT PLANS AND SPECIFICATION READING	4.0
ARCH 162	CONSTRUCTION ESTIMATING	3.0
ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 164 *	COMBINATION RESIDENTIAL DWELLING INSPECTION	3.0
ARCH 165	ELECTRICAL CODE INSPECTION	3.0
ARCH 211	CONCRETE INSPECTION	3.0
ARCH 212	PLUMBING CODES - DRAINS, WASTE, VENTS, WATER, AND GAS	3.0
ARCH 213	MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK	3.0
ARCH 200	DESIGN IN ARIZONA, RIVERSIDE AND PALM SPRINGS	1.5
ARCH 260	ARCHITECTURE IN NORTHERN CALIFORNIA	1.0
ARCH 261	ORANGE AND SAN DIEGO ARCHITECTURE	1.0
ARCH 262	LOS ANGELES ARCHITECTURE	1.0
ARCH 270	FIELD STUDY - EUROPEAN ARCHITECTURAL HISTORY	3.0
ARCH 271	FIELD STUDY - EUROPEAN SKETCH, DRAW, PHOTO	3.0
ARCH 272	FIELD STUDY - EUROPEAN DESIGN STUDIO	4.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 56.0-59.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ARCHITECTURE - Certificate of Achievement

Summary

The Architecture Certificate of Achievement program is a two-year sequence of courses designed for students who wish to train for entry-level employment in architecture or a field related to the construction industry. It also provides returning students with ongoing education to increase their job skills. Careers that the program allows students to pursue include: architectural draftsperson, construction manager, real estate developer, and government building code administration, as well as related construction industry jobs.

Learning Outcome(s):

- Communicate designs in 3 languages of architectural visualization: Board Drafting, AutoCAD, and Revit.
- Demonstrate knowledge of at least 7 of the major periods of architectural history: Ancient Egyptian, Ancient Greek, Ancient Roman, Byzantine, Romanesque, Gothic, Renaissance, Baroque, Neoclassical, Craftsman, Art Nouveau, Art Deco, Modern, and Contemporary Architecture.
- Demonstrate knowledge of current construction materials and techniques for residential and commercial construction.
- Write contract documents used in the architecture, engineering and construction industry.

Requirements

Required Core: **Units:** 46.0

ARCH 10	INTRODUCTION TO ARCHITECTURE	2.0
ARCH 12	HISTORY OF ARCHITECTURE	3.0
Select one		3.0
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
ARCH 124A	ARCHITECTURAL DRAWING I	4.0
ARCH 218	FOUNDATION STUDIO IN ARCHITECTURE	4.0
ARCH 219 *	RESIDENTIAL AND COMMERCIAL SPACE PLANNING	4.0
ARCH 120 *	REVIT AND BUILDING INFORMATION MANAGEMENT(BIM)	4.0
ARCH 34 *	BASIC ARCHITECTURAL DESIGN I	3.0
ARCH 42 *	DESCRIPTIVE DRAWING AND PERSPECTIVE	3.0
ARCH 122	ARCHITECTURAL PRACTICE	2.0
ARCH 124B	ARCHITECTURAL DRAWING II	4.0
ARCH 124C	ARCHITECTURAL DRAWING III	4.0
ARCH 126	MATERIALS AND METHODS OF CONSTRUCTION	3.0

Restricted Electives (3-6 units): **Units:** 3.0-6.0

ARCH 18	HUMAN FACTORS DESIGN AND PSYCHOLOGY OF THE BUILT ENVIRONMENT	3.0
ARCH 44 *	ARCHITECTURAL PRESENTATION AND RENDERING	2.0
ARCH 121 *	ADVANCED REVIT AND BUILDING INFORMATION MANAGEMENT II	4.0
ARCH 132 *	RESIDENTIAL PLANNING, PRINCIPLES AND DESIGN	3.0
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
ARCH 161	BLUEPRINT PLANS AND SPECIFICATION READING	4.0

ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 164 *	COMBINATION RESIDENTIAL DWELLING INSPECTION	3.0
ARCH 165	ELECTRICAL CODE INSPECTION	3.0
ARCH 180WE *	ARCHITECTURE WORK EXPERIENCE	2.0
ARCH 200	DESIGN IN ARIZONA, RIVERSIDE AND PALM SPRINGS	1.5
ARCH 211	CONCRETE INSPECTION	3.0
ARCH 212	PLUMBING CODES - DRAINS, WASTE, VENTS, WATER, AND GAS	3.0
ARCH 213	MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK	3.0
ARCH 260	ARCHITECTURE IN NORTHERN CALIFORNIA	1.0
ARCH 261	ORANGE AND SAN DIEGO ARCHITECTURE	1.0
ARCH 262	LOS ANGELES ARCHITECTURE	1.0
DR 200 *	3D PARAMETRIC MODELING - SOLIDWORKS	3.0

Total: 49.0-52.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ART HISTORY - AA-T Degree

Summary

The AA-T for Art History is designed for those students primarily seeking employment in fields such as studio art, galleries, art auction, art journalism, art criticism, museums, conservation, restoration, and teaching. Additionally, students who transfer with an Art History degree are well-prepared for jobs in fields that require abstract and analytical thinking such as consulting, journalism, grant writing, law, and any other field where desirable candidates require a humanistic education.

Students who complete the Associate in Arts in Art History for Transfer will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

The Art History program at Saddleback College does not currently have any enrollment limitations, but we offer our non-western art history courses on a rotating basis. This means that students may not be able to enroll in the specific non-western class of their choice before they must declare for graduation.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate knowledge and skills necessary for transfer as an Art History major.
- Demonstrate skills that translate into a higher level of qualification for employment in museum education, museum curating, gallery design, art sales, and many other areas.
- Use various strategies to evaluate and describe elements of art and visual culture as a basis for lifelong learning in the arts.

Requirements

Required Core: **Units:** 9.0

Select one		3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
OR		
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
Complete		3.0
ARTH 22	SURVEY OF ASIAN ART (INDIA, CHINA, JAPAN, AND KOREA)	3.0
Select one		3.0
ART 80	DRAWING I	3.0
ART 50 *	PAINTING - I	3.0
ART 85 *	DRAWING FROM THE LIVE MODEL I	3.0
ART 10 *	CERAMICS - HANDBUILDING I	3.0
ART 70	SCULPTURE I	3.0

List A: Select one (3 units) **Units:** 3.0

ARTH 23	AFRICAN, OCEANIC, AND ANCIENT NORTH AMERICAN ART	3.0
ARTH 24	INDIGENOUS ARTS OF THE AMERICAS	3.0

List B: Select one (3 units) **Units:** 3.0

ART 40	2-D FOUNDATIONS	3.0
ART 41 *	THREE-DIMENSIONAL DESIGN	3.0
ART 11 *	CERAMICS - WHEEL I	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
ART 71 *	SCULPTURE II	3.0
ART 72 *	SCULPTURE III	3.0
ART 175 *	METAL CASTING	3.0
ART 60 *	PRINTMAKING I	3.0

List C: Select one of the following courses or any List A or List B course not already used (3 units) **Units:** 3.0

ARTH 29	INTRODUCTION TO WORLD ART	3.0
ART 4	FUNDAMENTALS OF ART	3.0
ARTH 21	WOMEN AND ART	3.0
ARTH 30	HISTORY OF MODERN ART 1825-1945	3.0
ARTH 32	SURVEY OF CONTEMPORARY ART	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ASSOCIATE TEACHER LEVEL I - Certificate of Achievement

Summary

Introductory developmental and learning theory as well as appropriate strategies for the care and education of young children will be studied and applied. This certificate is designed to meet the coursework requirements for the Associate Teacher level of the Child Development Permit issued by the California Commission on Teacher Credentialing (CTC) and prepares students for entry level positions in a variety of early childhood care and education settings. Additional work with children (50 days of 3+ hours per day) is required to obtain the Associate Teacher Permit.

A minimum grade of “C” in each course is required to receive the certificate and/or qualify for the Child Development Permit.

Learning Outcome(s):

- Identify developmental milestones for children in the areas of physical, psychosocial, cognitive, and language development.
- Identify environmental, cultural, familial, economic, political, and historical contexts that influence all children's development.
- Identify a range of introductory skills and knowledge related to the unique need of children ages 0-8 years.
- Describe developmentally appropriate teaching practices for children ages 0-8.

Requirements

Required Core: **Units:** 12.0

CDEV C1000	Child Growth and Development	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
CDE 101 *	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN	3.0
CDE 110 *	INTRODUCTION TO CURRICULUM	3.0

Total: 12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ASSOCIATE TEACHER LEVEL II: WORK EXPERIENCE - Certificate of Achievement

Summary

The Associate Teacher Level II: Work Experience Certificate of Achievement includes the introductory developmental and learning theory and appropriate strategies for the care and education of young children covered in the Associate Teacher Level I certificate. The inclusion of CDE 180WE in the Level II certificate provides the opportunity for students to earn and document hours that will count towards the work experience requirement (50 days of 3+ hours per day) necessary to obtain the Associate Teacher Permit from the commission on Teacher Credentialing. A minimum grade of "C" or "Pass" in each course is required to receive the certificate and/or qualify for the Child Development Permit.

Learning Outcome(s):

- Identify developmental milestones for children in the areas of physical, psychosocial, cognitive, and language development.
- Identify environmental, cultural, familial, economic, political, and historical contexts that influence all children's development.
- Identify a range of introductory skills and knowledge related to the care and education of children ages 0-8 years with a special emphasis on the unique needs of infants and toddlers and dual language learners.
- Describe developmentally appropriate teaching practices for children ages 0-8.
- Demonstrate ability to meet goals related to working in an early childhood setting.

Requirements

Required Core: **Units:** 14.0

CDEV C1000	Child Growth and Development	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
CDE 101 *	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN	3.0
CDE 110 *	INTRODUCTION TO CURRICULUM	3.0
CDE 180WE *	CHILD DEVELOPMENT AND EDUCATION WORK EXPERIENCE	2.0

Total: 14.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ASTRONOMY - A.S. Degree

Summary

The curriculum in the Astronomy Associate of Science degree program is designed to provide the transfer student the opportunity to achieve a degree in Astronomy. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the associate degree may support attempts to gain entry-level employment or promotion within research universities, aerospace and national observatories. Examples of such positions are technicians at observatories and planetariums and companies making telescopes and astronomical equipment.

Learning Outcome(s):

- Identify the structure and evolution of the solar system by comparing and contrasting the planets.
- Demonstrate observational techniques used to gather data on astronomical objects.
- Describe the evolution, structure and composition of the universe. Including all galaxies, quasars, proto-galaxies and components within galaxies (stars, gas, dust and non-stellar objects).

Requirements

Required Core: **Units:** 26.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
PHYS 4A *	GENERAL PHYSICS	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
PHYS 4B *	GENERAL PHYSICS	5.0
ASTR C1001	Introduction to Astronomy	3.0
ASTR 25 *	OBSERVATIONAL ASTRONOMY	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree

Total: 26.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE CHASSIS SPECIALIST - A.S. Degree

Summary

The Automotive Chassis Specialist Associate of Science degree prepares students for a career as automotive technicians with drivetrain emphasis. Students completing the degree will be trained in the maintenance, diagnosis, and repair of vehicle chassis systems that consist of power train operation, air conditioning, tire service, brake

system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks. This degree prepares students for careers such as Automotive Suspension Technician, Automotive Alignment Technician, Automotive Brake Technician, and General Automotive Technician. This program is ideal for the small-business owner, independent shop, or the dealership career-oriented technician.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as a chassis technician.
- Apply industry-specific skills related to drivetrain operation, diagnostics and repair.
- Apply knowledge of all phases of power train system operation, diagnostics and repair.
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams.
- Seek an entry-level automotive technician career in the maintenance, diagnosis and repair of vehicle chassis systems that consist of power train operation, air conditioning, tire service, brake system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks.

Requirements

Required Core: **Units:** 29.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 235 *	BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING	2.0

Restricted Electives: Select one course **Units:** 2.0-5.0

AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 31.0-34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE CHASSIS SPECIALIST - Certificate of Achievement

Summary

The Automotive Chassis Specialist Certificate of Achievement prepares students for a career as automotive technicians with drivetrain emphasis. Students completing the certificate will be trained in the maintenance, diagnosis, and repair of vehicle chassis systems that consist of power train operation, air conditioning, tire service, brake system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks. This certificate prepares students for careers such as Automotive Suspension Technician, Automotive Alignment Technician, Automotive Brake Technician, and General Automotive Technician. This program is ideal for the small-business owner, independent shop, or the dealership career-oriented technician.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as a chassis technician.
- Apply industry-specific skills related to drivetrain operation, diagnostics and repair.
- Apply knowledge of all phases of power train system operation, diagnostics and repair.
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams.
- Seek an entry-level automotive technician career in the maintenance, diagnosis and repair of vehicle chassis systems that consist of power train operation, air conditioning, tire service, brake system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks.

Requirements

Required Core: **Units:** 29.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 235 *	BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING	2.0

Restricted Electives: Select one course **Units:** 2.0-5.0

AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Total: 31.0-34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE CHASSIS SYSTEMS - Certificate of Achievement

Summary

The Automotive Chassis Systems Certificate of Achievement prepares students for careers as automotive technicians with drivetrain emphasis. Students completing the certificate will be trained in the maintenance, diagnosis, and repair of vehicle chassis systems that consist of power train operation, air conditioning, clutch systems, differentials, and driveline components on both import and domestic vehicles and light trucks. This certificate prepares students for careers such as Automotive Transmission Technician, Automotive Powertrain Technician, Automotive Air Conditioning Technician, and General Automotive Technician. This program is ideal for the small-business owner, independent shop, or the dealership career-oriented technician. The Automotive Chassis Systems Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of Achievement and culminates in the Automotive Chassis Specialist Certificate of Achievement.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as a chassis systems technician.
- Apply industry-specific skills related to drivetrain operation, diagnostics, and repair.
- Apply knowledge of all phases of power train system operation, diagnostics, and repair.
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams (A2, A3, and A7).
- Complete the 609 HVAC certification.
- Seek an entry-level automotive technician career in the maintenance, diagnosis and repair of vehicle chassis systems that consist of power train operation, air conditioning, clutch systems, and driveline components on both import and domestic vehicles and light trucks.

Requirements

Required Core: **Units:** 18.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE ELECTRIC VEHICLE TECHNICIAN - Certificate of Achievement

Summary

The Automotive Electric Vehicle Technician Certificate of Achievement provides students with training on emerging technologies in the automotive industry. Coursework provides advanced training in electric vehicle propulsion systems, hybrid propulsion, alternative fuel technology, electric vehicle infrastructure, and advanced electrical diagnostics. Students will be qualified to take the related ASE certification exams upon completion of this program. This certificate prepares students for careers such as Automotive Hybrid Technician, Automotive Electric Vehicle Technician, Automotive CNG/LPG Vehicle Technician, or General Automotive Technician. Ideal for the small business owner, independent shop, or the dealership career-oriented technician. The Automotive Electric Vehicle Technician Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of Achievement and culminates in the Alternative Fuel Vehicle Specialist Certificate of Achievement.

Learning Outcome(s):

- Seek employment in the automotive industry.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance, and repair of alternative fuel vehicles.
- Apply knowledge in the workplace of the different systems of alternative fuel vehicles.
- Take the related Automotive Service Excellence (ASE) certification exams F1 and L3.

Requirements

Required Core: **Units:** 18.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE ENGINE DIAGNOSTICS TECHNICIAN - Certificate of Achievement

Summary

The Automotive Engine Diagnostics Technician Certificate of Achievement prepares students for careers as automotive technicians with an emphasis in engine performance and diagnostics by providing students with hands-on practical training in advanced engine diagnostics. Coursework includes OBD2 operation, diagnostics, and performance, port and direct fuel injected engine systems, closed area network (CAN) operation and diagnostics, computer-controlled vehicle fuel mapping, and ignition timing systems. This certificate prepares students for careers such as Automotive Drivability Technician, Automotive Engine Performance Technician, and General Automotive Technician. The Automotive Engine Diagnostics Technician Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of Achievement and culminates in either the Automotive Engine Performance Specialist Certificate of Achievement or the General Automotive Technician Certificate of Achievement.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as an engine diagnostics/drivability technician.
- Apply industry specific skills related to engine diagnostics.
- Apply knowledge of all phases of engine electrical system, computer system operation, diagnostics, and repair.
- Demonstrate preparation for related National Institute for Automotive Service Excellence (ASE) certification exams A8 and L1.
- Seek an entry-level career as an automotive technician/light truck technician in the maintenance, diagnosis, and repair of vehicle engine diagnostics systems.

Requirements

Required Core: **Units:** 18.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE ENGINE PERFORMANCE SPECIALIST - A.S. Degree

Summary

The Automotive Engine Performance Specialist Associate of Science degree prepares students for careers as automotive technicians with an emphasis in engine performance. In this program, students will apply knowledge of all phases of engine electrical systems, computer system operations, diagnostics, and repair. Students will be qualified to take the State of California Bureau of Automotive Repair Smog License exams upon completion of this program. This degree prepares students for careers such as Automotive Computer Diagnostic Technician, Automotive California Smog Inspection and Repair Technician, Automotive Performance Technician, and General Automotive Technician.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as an engine performance technician.
- Apply industry specific skills related to engine performance.
- Apply knowledge of all phases of engine electrical system, computer system operation, diagnostics and repair.
- Demonstrate preparation for related National Institute for Automotive Service Excellence (ASE) certification exams. Program graduates will be prepared for the State of California Bureau of Automotive Repair Smog License exams.
- Seek an entry-level career as an automotive technician/light truck technician in the maintenance, diagnosis and repair of vehicle engine performance systems.

Requirements

Required Core: **Units:** 24.5

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 200 *	ENHANCED AREA CLEAN AIR CAR COURSE	1.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 2.0-3.0

AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 26.5-27.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE ENGINE PERFORMANCE SPECIALIST - Certificate of Achievement

Summary

The Automotive Engine Performance Specialist Certificate of Achievement prepares students for careers as automotive technicians with an emphasis in engine performance. In this program, students will apply knowledge of all phases of engine electrical systems, computer system operations, diagnostics, and repair. Students will be qualified to take the State of California Bureau of Automotive Repair Smog License exams upon completion of this program. This certificate prepares students for careers such as Automotive Computer Diagnostic Technician, Automotive California Smog Inspection and Repair Technician, Automotive Performance Technician, and General Automotive Technician

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as an engine performance technician.
- Apply industry specific skills related to engine performance.
- Apply knowledge of all phases of engine electrical system, computer system operation, diagnostics and repair.
- Demonstrate preparation for related National Institute for Automotive Service Excellence (ASE) certification exams. Program graduates will be prepared for the State of California Bureau of Automotive Repair Smog License exams.
- Seek an entry-level career as an automotive technician/light truck technician in the maintenance, diagnosis and repair of vehicle engine performance systems.

Requirements

Required Core: **Units:** 24.5

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 200 *	ENHANCED AREA CLEAN AIR CAR COURSE	1.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 2.0-3.0

AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Total: 26.5-27.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE ENGINE REPAIR TECHNICIAN - Certificate of Achievement

Summary

The Automotive Engine Repair Technician Certificate of Achievement prepares students for careers in engine mechanical diagnosis of internal combustion engines and the diagnostic processes that go along with servicing/repair of internal combustion engines for import and domestic passenger vehicles and light trucks. Coursework includes training in modern internal combustion engines, variable valve timing, variable lift, engine construction, overhaul, and engine diagnostics. This certificate prepares students for careers such as Automotive Engine Mechanical Technician (Heavy Line Technician) or General Automotive Technician at privately-owned repair shops, corporately owned repair shops, or manufacturer dealerships. The Automotive Engine Repair Technician Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of Achievement and culminates in the General Automotive Technician Certificate of Achievement.

Learning Outcome(s):

- Seek employment in the automotive industry as a heavy line technician.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance, and repair of gasoline powered vehicle engines.
- Apply knowledge in the workplace of the different engine designs along with the operation, service, and repair of light duty foreign and domestic engines.
- Take the related Automotive Service Excellence (ASE) certification exam A1.
- Meet the qualifications for an entry-level career in the maintenance, machining, diagnosis and repair of passenger vehicle and light truck engines. This includes the theory, diagnostics, and repair of domestic and foreign engine systems.

Requirements

Required Core: **Units:** 19.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 104A *	AUTOMOTIVE ENGINES	5.0
AUTO 104B *	AUTOMOTIVE ENGINES	5.0

Total: 19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE ENGINE SERVICE SPECIALIST - A.S. Degree

Summary

The Automotive Engine Service Specialist Associate of Science degree prepares students for careers as automotive technicians with an emphasis in engine mechanical repair, engine machining processes and mechanical diagnostics. In this program, students will apply knowledge of all phases of engine mechanical systems, engine performance system operations, diagnostics, and repair. Students will be qualified to achieve a career in automotive engine repair as an Automotive Engine Mechanical Technician (Heavy Line Technician), Automotive Engine Performance Diagnostics Technician, or General Automotive Technician at a privately-owned repair shop, corporately owned repair shop, or manufacturer dealership. Graduates of the Automotive Engine Service Specialist program will be qualified to take the related National Institute for Automotive Service Excellence (ASE) certification exams A1 and A8.

Learning Outcome(s):

- Seek employment in the automotive industry as an engine service vehicle technician.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance and repair of gasoline powered vehicle engines.

- Apply knowledge in the workplace of the different engine designs along with the operation, service and repair of light duty foreign and domestic engines.
- Take the related Automotive Service Excellence (ASE) certification exams A1 and A8.
- Meet the qualifications for an entry-level career in the maintenance, machining, diagnosis and repair of passenger vehicle and light truck engines. This includes the theory, diagnostics and repair of domestic and foreign engine systems.

Requirements

Required Core: **Units:** 22.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 104A *	AUTOMOTIVE ENGINES	5.0
AUTO 104B *	AUTOMOTIVE ENGINES	5.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 0.5-5.0

AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 22.5-27.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE ENGINE SERVICE SPECIALIST - Certificate of Achievement

Summary

The Automotive Engine Service Specialist Certificate of Achievement prepares students for careers as automotive technicians with an emphasis in engine mechanical repair, engine machining processes and mechanical diagnostics. Students completing this certificate will be trained in knowledge of all phases of engine mechanical systems, engine performance system operations, diagnostics, and repair. Students will be qualified to achieve a career in automotive engine repair as an Automotive Engine Mechanical Technician (Heavy Line Technician), Automotive Engine

Performance Diagnostics Technician, or General Automotive Technician at a privately-owned repair shop, corporately owned repair shop, or manufacturer dealership. Graduates of the Automotive Engine Service Specialist program will be qualified to take the related National Institute for Automotive Service Excellence (ASE) certification exams A1 and A8.

Learning Outcome(s):

- Seek employment in the automotive industry as an engine service vehicle technician.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance and repair of gasoline powered vehicle engines.
- Apply knowledge in the workplace of the different engine designs along with the operation, service and repair of light duty foreign and domestic engines.
- Take the related Automotive Service Excellence (ASE) certification exams A1 and A8.
- Meet the qualifications for an entry-level career in the maintenance, machining, diagnosis and repair of passenger vehicle and light truck engines. This includes the theory, diagnostics and repair of domestic and foreign engine systems.

Requirements

Required Core: **Units:** 22.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 104A *	AUTOMOTIVE ENGINES	5.0
AUTO 104B *	AUTOMOTIVE ENGINES	5.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 0.5-5.0

AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Total: 22.5-27.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

AUTOMOTIVE SUSPENSION TECHNICIAN - Certificate of Achievement

Summary

The Automotive Suspension Technician Certificate of Achievement prepares students for careers as automotive technicians with suspension alignment as an emphasis. Students completing the certificate will be trained in the maintenance, diagnosis, and repair of vehicle suspension systems that consist of tire service, brake system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks. This certificate prepares students for careers such as Automotive Suspension Technician, Automotive Alignment Technician, Automotive Brake Technician, and General Automotive Technician. This program is ideal for the small-business owner, independent shop, or the dealership career-oriented technician. The Automotive Suspension Technician Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of

Achievement and culminates in either the Automotive Chassis Specialist Certificate of Achievement or the General Automotive Technician Certificate of Achievement.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry as a suspension and alignment technician.
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams A4 and A5.
- Seek an entry-level automotive technician career in the maintenance, diagnosis and repair of vehicle suspension systems that consist of tire service, brake system diagnostics, suspension and steering service on both import and domestic vehicles and light trucks.

Requirements

Required Core: **Units:** 17.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 235 *	BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING	2.0

Total: 17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTOMOTIVE TECHNICIAN FUNDAMENTALS - Certificate of Achievement

Summary

The Automotive Technician Fundamentals Certificate of Achievement is the starting point for students beginning their academic career in the Saddleback College Automotive Technology Department. Completion of this program will fulfill all prerequisites for the advanced classes offered in the department and will prepare students for employment as an Automotive Lube Technician, Automotive Apprentice Technician, or Automotive Lot Porter. Students that complete this foundational certificate will be trained in shop safety, tool usage, repair order writing, basic electrical, fundamental math used in the automotive industry, basic to advanced measurement skills, and automotive shop operations. Completion of this certificate will qualify students to take the National Institute for Automotive Service Excellence (ASE) G1 exam. The Automotive Technician Fundamentals Certificate of Achievement is part of a stackable sequence of awards upon which all programs in the department will build.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry.
- Demonstrate auto industry specific skills.
- Demonstrate skills in automotive diagnosis, maintenance, and repair.
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams.

Requirements

Required Core: **Units:** 9.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Total: 9.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

AUTONOMOUS AND ADVANCED VEHICLE SYSTEMS - Certificate of Achievement

Summary

The Autonomous and Advanced Vehicle Systems Certificate of Achievement is designed to fill the growing need in the automotive industry for technicians trained in advanced vehicle systems; it provides students with training on emerging technologies in the automotive industry related to autonomous vehicle systems, vehicle electronics, and advanced vehicle systems. Coursework includes vehicles forward facing cameras, ultra-sonic sensors, LIDAR sensors, radar sensors, vehicle telematics, and advanced vehicle communication networks. Completion of this certificate will qualify students to take the National Institute for Automotive Service Excellence (ASE) L4 exam. This certificate prepares students for careers such as Automotive Advanced Driver Assistance Systems (ADAS) Technician, Automotive Advanced Electrical Systems Technician, or General Automotive Technician. The Autonomous and Advanced Vehicle Systems Certificate of Achievement is part of a stackable sequence of awards that builds upon the Automotive Technician Fundamentals Certificate of Achievement.

Learning Outcome(s):

- Seek employment in the automotive industry.
- Demonstrate current industry-specific skills related to the safety, operation, service, maintenance, and repair of advanced vehicle systems.
- Apply knowledge in the workplace of Advanced Driver Assistance Systems (ADAS).
- Take the related Automotive Service Excellence (ASE) certification exam L4.

Requirements

Required Core **Units:** 18.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 203 *	AUTOMOTIVE ELECTRONICS	3.0
AUTO 208 *	AUTONOMOUS VEHICLE SYSTEMS	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BANKING AND FINANCE - A.S. Degree

Summary

The Banking and Finance Associate of Science degree provides study in the areas of banking and financial management, including the organization, operation, financing and functions of banks and certain related financial institutions. The program prepares students who wish to pursue careers in banking or related financial institutions, such as credit unions, sales and consumer finance companies, government agencies, and other.

Some of the many jobs for which this program prepares students include Branch Operations Assistant, Bankruptcy Coordinator or Assistant Coordinator, Consumer Credit Analyst Assistant, Consumer Finance Assistant, Loans Processor Assistant, Customer Service Representative, Asset Management Assistant, Loan Representative, Mortgage Operations Assistant, New Accounts Assistant, Regulatory Compliance Analyst Assistant, Teller, Trust Assistant.

Learning Outcome(s):

- Communicate effectively regarding information and issues related to banking and finance.
- Define and describe the core principles of money and banking.
- Define and describe financial institutions including aspects of bank management, performance, regulation, ethics, and risk.

- Explain the role of financial markets in the economy and describe and compare financial instruments.
- Describe and illustrate the structure, function, and monetary policy tools of central banks as well as describe key elements of the banking and financial services industry.
- Explain how banks analyze and manage performance and risk, and provide details on bank products, services, laws, and regulations.
- Interpret and present a financial report reflecting various current events, issues, and circumstances affecting investments.
- Help build customer relationships through marketing, personal selling, and customer service.
- Evaluate short- and long-term financial plans, including comparisons of direct investments such as insurance and mutual retirement funds.

Requirements

Required Core: **Units:** 35.0-38.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Complete		3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
OR		
COMM 20	INTERCULTURAL COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 120	BUSINESS MANAGEMENT	3.0
BUS 224	MONEY, BANKS, AND FINANCIAL INSTITUTIONS	3.0
BUS 225	PRINCIPLES OF BANKING	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
OR		

ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select one		3.0-4.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
OR		
ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
OR		
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 172	FINANCIAL LITERACY	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 35.0-38.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BANKING AND FINANCE - Certificate of Achievement

Summary

The Banking and Finance Certificate of Achievement provides study in the areas of banking and financial management, including the organization, operation, financing and functions of banks and certain related financial institutions. The program prepares students who wish to pursue careers in banking or related financial institutions, such as credit unions, sales and consumer finance companies, government agencies, and other.

Some of the many jobs for which this program prepares students include Branch Operations Assistant, Bankruptcy Coordinator or Assistant Coordinator, Consumer Credit Analyst Assistant, Consumer Finance Assistant, Loans Processor Assistant, Customer Service Representative, Asset Management Assistant, Loan Representative, Mortgage Operations Assistant, New Accounts Assistant, Regulatory Compliance Analyst Assistant, Teller, Trust Assistant.

Learning Outcome(s):

- Communicate effectively regarding information and issues related to banking and finance.
- Define and describe the core principles of money and banking.

- Define and describe financial institutions including aspects of bank management, performance, regulation, ethics, and risk.
- Explain the role of financial markets in the economy and describe and compare financial instruments.
- Describe and illustrate the structure, function, and monetary policy tools of central banks as well as describe key elements of the banking and financial services industry.
- Explain how banks analyze and manage performance and risk, and provide details on bank products, services, laws, and regulations.
- Interpret and present a financial report reflecting various current events, issues, and circumstances affecting investments.
- Help build customer relationships through marketing, personal selling, and customer service.
- Evaluate short- and long-term financial plans, including comparisons of direct investments such as insurance and mutual retirement funds.

Requirements

Required Core: **Units:** 22.0-25.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Complete		3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 224	MONEY, BANKS, AND FINANCIAL INSTITUTIONS	3.0
BUS 225	PRINCIPLES OF BANKING	3.0
Select one		3.0-4.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
OR		
ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
OR		
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 172	FINANCIAL LITERACY	3.0
OR		

BUS 205	BUSINESS MATH	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0

Total: 22.0-25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BASIC ANALOG AND DIGITAL ELECTRONICS - Occupational Skills Award

Summary

The Basic Analog and Digital Electronics Occupational Skills Award documents successful completion of the beginning courses in the Electronic Technology certificates. This award establishes that the student has studied the basics of analog and digital electronics, both in theory and in laboratory testing and troubleshooting.

Requirements

Required Core: **Units:** 12.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0

Total: 12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BASIC MUSIC SKILLS - Certificate of Achievement

Summary

Completion of the Certificate of Achievement in Basic Music Skills prepares students for transfer into a Bachelors of Arts in Music degree. The certificate focuses on the theory and musicianship components necessary for transfer. The certificate serves as a foundation for a variety of stackable specialty certificates in the areas of Jazz Studies, Jazz Composition, Vocal Studies, Commercial Music, Instrumental Studies, Music Composition, Piano Pedagogy, and Keyboard Studies. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms

Requirements

Required Core: **Units:** 8.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0

MUS 93 *	MUSICIANSHIP II	1.0

Total: 8.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BIOLOGY - A.S. Degree

Summary

The curriculum in the Biology Associate of Science Degree is designed to provide the transfer student the opportunity to achieve a biology degree with greater flexibility in completing restrictive electives. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Biology Associate of Science degree would demonstrate achievement and may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Demonstrate a working knowledge of the scientific method.
- Demonstrate the ability to make links among topics and sub-disciplines so that information can be used for deeper comprehension.
- Demonstrate the ability to use the attained knowledge foundation to illustrate concepts and compare examples.

Requirements

Required Core: **Units:** 13.0

CHEM 1A *	GENERAL CHEMISTRY	5.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0

Restricted Electives: Complete 10 units **Units:** 10.0

BIO 3C *	BIOCHEMISTRY AND MOLECULAR BIOLOGY	5.0
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 19 *	MARINE BIOLOGY	4.0
BIOL C1000	Introduction to Biology with Lab	4.0
BIO 22 *	HUMAN GENETICS	3.0
BIO 28	PLANTS AND HUMAN AFFAIRS	3.0
BIO 30	HUMAN BIOLOGY	3.0
BIO 31	BIOLOGY OF PLANTS	4.0
BIO 40	EVOLUTION	3.0
BIO 43 *	ANIMAL BEHAVIOR	3.0
BIO 45 *	BIOLOGY OF HUMAN DISEASE	3.0
Select one		1.5
BIO 49 *	RESEARCH IN BIOLOGY AND BIOCHEMISTRY A	1.5
OR		
BIO 49H *	HONORS RESEARCH IN BIOLOGY AND BIOCHEMISTRY A	1.5
Select one		1.5
BIO 50 *	RESEARCH IN BIOLOGY AND BIOCHEMISTRY B	1.5
OR		
BIO 50H *	HONORS RESEARCH IN BIOLOGY AND BIOCHEMISTRY B	1.5
BIO 112 *	PATHOPHYSIOLOGY	3.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MS 20	INTRODUCTION TO OCEANOGRAPHY	4.0
Select one		5.0
PHYS 2A *	INTRODUCTION TO PHYSICS	5.0
OR		
PHYS 4A *	GENERAL PHYSICS	5.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BIOLOGY - AS-T Degree

Summary

The curriculum of the Department of Biological Sciences is designed to provide the transfer student the opportunity to achieve a Biology Associate in Science for Transfer degree by providing the necessary breadth of study and an introduction to research methods used in a variety of biology disciplines. The Biology Associate in Science for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in biology or similar major. Students who complete this degree receive priority admission to the California State University system, though admission to a specific campus or major is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate a working knowledge of the scientific method.
- Articulate (verbally and in writing) knowledge of biological concepts, biological methods, and current biological issues.
- Understand and evaluate the impact that biology has had on society at large.

- Apply scientific critical thinking skills, such as assessing the appropriateness of experimental design and interpreting data.

Requirements

Required Core: **Units:** 8.0

BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0

List A: **Units:** 25.0

CHEM 1A *	GENERAL CHEMISTRY	5.0
CHEM 1B *	GENERAL CHEMISTRY	5.0
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Select PHYS 2A and PHYS 2B or PHYS 4A and PHYS 4B		10.0
PHYS 2A *	INTRODUCTION TO PHYSICS	5.0
AND		
PHYS 2B *	INTRODUCTION TO PHYSICS	5.0
OR		
PHYS 4A *	GENERAL PHYSICS	5.0
AND		
PHYS 4B *	GENERAL PHYSICS	5.0

Total: 33.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BIOMEDICAL ILLUSTRATION - Certificate of Achievement

Summary

Biomedical illustration is a unique discipline combining design, science, art, communication, and media technology. Biomedical illustrators work in a variety of media and industries to create visuals that transform complex information and data into images that explain, inform, and record scientific research and discoveries. In this program, students will combine illustration, drawing, biology, and anatomy studies to gain skills and apply them in the Biomedical illustration field. The program combines classroom and laboratory instruction to provide students with a well-rounded preparation in the Biomedical and life science illustration fields. The goal of the program is to train and prepare students for a career in the field as illustrators in various medical, science, and technical presentation areas. Among the applications of target skills are textbooks and journals, web, television, patient education, museums, veterinary, dental, trade shows, pharmaceutical advertising, and medical illustration used by attorneys and law enforcement to clarify complex medical information for judges and juries. Students completing this certificate will have foundational skills to prepare them for entry-level employment in this field.

Learning Outcome(s):

- Evaluate, understand, and translate scientific data into visual communication.
- Evaluate illustration methods and media to determine the most appropriate approach for the subject.
- Demonstrate a basic knowledge of anatomy and physiology.
- Apply traditional and digital illustration and drawing skills.
- Design, produce, and market scientific and medical illustrations to a broad audience.

Requirements

Required Core: **Units:** 29.0

GD 149	DIGITAL ILLUSTRATION	3.0
ART 80	DRAWING I	3.0
BIOL C1000	Introduction to Biology with Lab	4.0
GD 200	PHOTOSHOP SKILLS FOR GRAPHIC DESIGNERS	3.0
GD 150 *	DIGITAL ANIMATION	3.0
ART 85 *	DRAWING FROM THE LIVE MODEL I	3.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
GD 199 *	DIGITAL ILLUSTRATION II	3.0
GD 249 *	BIOMEDICAL ILLUSTRATION	3.0

Total: 29.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS ADMINISTRATION 2.0 - AS-T Degree

Summary

The Associate in Science in Business Administration for Transfer Degree 2.0 (AS-T) prepares students to transfer seamlessly to a CSU with junior status to major in Business Administration, although not necessarily to a specific campus. Students who complete an AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AS-T are strongly advised to meet with a counselor for additional information about this transfer program.

Upon completion of the AS-T degree in Business Administration 2.0, students will have a general understanding of accounting, economics, computer information systems, business law, and will have taken a course in either business communications or business. They will also have sufficient understanding of mathematical concepts to enable them to successfully pursue a business degree at a four-year institution.

The AS-T degree in Business Administration 2.0 is appropriate for students whose vocational plans include careers in business fields such as accounting, computer information systems, finance, management, human resources, marketing, operations and supply chain management, or other business fields.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate preparation for transfer to a four-year institution with the required business, accounting, economics, math, and other learning.
- Identify, summarize, and compare the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of businesses.
- Communicate clearly, effectively, and appropriately in writing and orally using the language of business.
- Make effective business decisions using appropriate systematic, evaluative, ethical, analytical, information-based approaches.
- Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's diverse, team-oriented, technology dependent, rapidly changing environment.

Requirements

Required Core: **Units:** 28.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
Select one		3.0
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select one		3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
OR		
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
OR		
BUS 104 *	BUSINESS COMMUNICATION	3.0

Total: 28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS COMMUNICATION SKILLS - Certificate of Achievement

Summary

The Business Communication Skills Certificate of Achievement prepares students to use effective workplace communications, written and oral. Effective documents, reports, and other written communications, internal and

external, print and electronic, are emphasized. Students learn to communicate clearly, use effective interpersonal skills, and apply listening skills, all for the business environment. While countless occupations require communications skills, occupations specific to communications include, but are not limited to, Media and Communication workers, Public Relations Assistants, Sales and Marketing Assistants, Office Assistants, Event Planners, Dispatchers, Fundraising Specialists, and Supervisors. This certificate serves as a foundation to the Business Communications Certificate of Achievement and, depending on course selection, other certificates such as the General Business Certificate of Achievement. See an academic counselor for guidance.

Learning Outcome(s):

- Effectively and appropriately apply principles, planning, organization, and styles to written and oral business communications, including proper consideration of ethical, cultural, gender, and other aspects of the communication.
- Create appropriate written business documents, such as letters, memorandums, reports, proposals, requests for proposals (RFPs), instructions, employment-related documents, as well as email and other online written business communications. Use correct grammar, style, and format.
- Orally communicate clearly, effectively, and appropriately, including critical listening, communication with workplace superiors, coworkers, customers, clients; use telephone, webinar, and other online communications; use teamwork, meeting, and leadership skills, interviewing, business etiquette, presentations, as well as nonverbal communications.
- Behave in a professional manner appropriate to organizational expectations, including the exercise of initiative and self-direction and observation of laws, rules, and ethical practices.

Requirements

Required Core: **Units:** 10.0-12.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Restricted Electives: Select one course **Units:** 3.0

BUS 1	INTRODUCTION TO BUSINESS	3.0
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 135	MARKETING	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0
COMM C1004	Interpersonal Communication	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0

Total: 13.0-15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS COMMUNICATIONS - Certificate of Achievement

Summary

Completion of the Business Communications Certificate of Achievement prepares students to use effective workplace communications, written and oral. Effective documents, reports, and other written communications, internal and external, print and electronic, are emphasized. Students will learn to work effectively in today's business environments and management structures. They will use effective human relations techniques for team or project management. Students learn to communicate clearly, use effective interpersonal skills, and apply listening skills, all for the business environment. While innumerable occupations require communications skills, occupations specific to communications include, but are not limited to, corporate communications specialists, assistants, and managers; media and communication specialists, assistants and managers; public relations assistants and managers; strategic communications assistants; sales and marketing coordinators, specialists, assistants, and managers; copywriters; content specialists; office assistants; event planners and consultants; fundraising specialists and assistants; and supervisors. This program builds upon the Business Communication Skills Certificate of Achievement.

Learning Outcome(s):

- Work effectively in today's business environments and management structures.
- Identify the fundamentals of legal systems, and technological, social, ethical, global, and political forces affecting the development and operation of businesses.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- List, describe, give examples of, and apply the key management functions of planning, organizing, leading, controlling, and project management in ways that will contribute to organizational and business success and social responsibility.
- Describe/apply effective human relations techniques for team or project management.
- Effectively and appropriately apply principles, planning, organization, tone, and styles to written and oral business communications, including adequate consideration of ethical, cultural, gender, and other aspects of the communication.
- Create appropriate and effective written business documents, such as letters, memorandums, reports, proposals, requests for proposals (RFPs), instructions, employment-related documents, as well as email and other online written business communications.
- Use correct grammar, punctuation, tone, style, and document format.
- Use appropriate business oral communications clearly, effectively, and appropriately, including critical listening, communication with workplace superiors, coworkers, customers, clients; use telephone, webinar, video conferencing, and other distance and online communications.
- Use effective teamwork, meeting, and leadership skills, interviewing, business etiquette, presentations, as well as nonverbal communications.
- Behave in a professional manner appropriate to organizational expectations, including the exercise of initiative and self-direction and observation of laws, rules, and ethical practices.

Requirements

Required Core: **Units:** 19.0-21.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0

Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Complete		3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0

Restricted Electives: Select one course **Units:** 3.0-4.0

BUS 16	PERSONAL LAW,STREET LAW	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 135	MARKETING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0
COMM C1004	Interpersonal Communication	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0

Total: 22.0-25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS DATA ANALYTICS AND DATABASE - A.S. Degree

Summary

The Business Data Analytics and Database Associate of Science degree prepares students for various rapidly evolving information technology-related data analytics degrees. Analytics (analysis of data) and database (data organization) are two high-demand careers. The core requirements of the degree introduce students to high-demand critical evolving data technologies, including relational databases, SQL (universal standard language for communicating to relational databases), data visualization, data modeling, data warehousing, database reporting using Tableau, big data, NoSQL, cloud and business intelligence using Microsoft Power BI and Excel.

Learning Outcome(s):

- Identify basics of data management and manipulation, including SQL, Cloud Storage Services, Relational Database Vendors, and Relational Database Interfaces.
- Perform various Data Analytics skills of analyzing, manipulating, and reporting data.
- Develop data visualizations for business decision-making using applications like Tableau and Power BI.

Requirements

Required Core: **Units:** 12.5

CIMA 105 *	MICROSOFT EXCEL FOR DATA ANALYTICS	3.0
CIMA 288	DATABASE REPORTING	3.5
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
Select one		3.0
CIMP 7A £	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
OR		
CIMP 8A £	PROGRAMMING WITH PYTHON	3.0

Restricted Electives: Select two courses **Units:** 6.0-7.5

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIM 8 *	INTRODUCTION TO DATA SCIENCE	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 204 *	ADVANCED SPREADSHEETS - EXCEL	3.0
CIMA 106	DATABASE - ACCESS	3.0
CIMA 30	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3.0
CIMA 136	INTRODUCTION TO MACHINE LEARNING	3.0
CIMA 233	BUSINESS APPLICATIONS WITH ARTIFICIAL INTELLIGENCE	3.0
CIMP 7A £	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
OR		
CIMP 8A £	PROGRAMMING WITH PYTHON	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
OR		
CIMP 8B *	ADVANCED PYTHON PROGRAMMING	3.0
CIMP 241	CLOUD COMPUTING FOR DEVELOPERS	3.5
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.5-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ Course can be taken as either a core requirement or restricted elective; it may not be counted as both.

BUSINESS EDUCATION CORE - Certificate of Achievement

Summary

The Business Education Core Certificate of Achievement provides students with the core of courses that constitute foundational business knowledge and skills for the various Certificates of Achievement offered in Business.

The jobs for which this certificate prepares students include entry level office clerks, accounting assistants, production assistants, office assistants, recreation assistants, audio and video equipment assistants, billing and posting clerks, and many others across a wide range of industries.

Learning Outcome(s):

- Communicate effectively, orally and in writing, in the business workplace environment.
- Prepare business documents and reports using Internet and other research sources accurately and appropriately and using appropriate visual representation in the form of graphs and/or tables.
- Behave appropriately in a workplace, following business policies and procedures and directions and using independent judgment as needed and using decision-making skills to solve problems.
- Explain ways that governmental/political, social, economic, technological, and global characteristics affect business.
- Explain or present knowledge of business ownership, organization and functions, and the systems, technologies, and controls through which business organizations operate.
- Identify the various forms of business entities and identify distinguishing characteristics among them.

Requirements

Required Core: **Units:** 13.0-15.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Total: 13.0-15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS EDUCATION FOUNDATIONS - Certificate of Achievement

Summary

The Business Education Foundations Certificate of Achievement provides students with the core of courses that constitute foundational business knowledge and skills for the various associates degrees offered in Business.

The jobs for which this certificate prepares students include entry level office clerks, accounting assistants, production assistants, office assistants, recreation assistants, audio and video equipment assistants, billing and posting clerks, assistants to administrative services managers, construction managers, cost estimators, general and operations managers, industrial production managers, management analysts, sales managers, social and community service managers, transportation, storage, and distribution managers, other managers, and many others across a wide range of industries.

Learning Outcome(s):

- Communicate effectively, orally and in writing, in the business workplace environment.
- Prepare business documents and reports using Internet and other research sources accurately and appropriately and using appropriate visual representation in the form of graphs and/or tables.
- Behave appropriately in a workplace, following business policies and procedures and directions and using independent judgment as needed and using decision-making skills to solve problems.
- Explain ways that governmental/political, social, economic, technological, and global characteristics affect business.
- Explain or present knowledge of business ownership, organization and functions, and the systems, technologies, and controls through which business organizations operate.
- Solve problems through hands-on projects to develop computer-based solutions to business problems
- Identify the various forms of business entities and identify distinguishing characteristics among them
- Apply principles of business management to analyze and propose solutions to business problems
- Apply mathematical skills and knowledge to answer business questions or describe business characteristics

Requirements

Required Core: **Units:** 23.0-25.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 205 *	BUSINESS MATH	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

Total: 23.0-25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS LEADERSHIP - A.S. Degree

Summary

This Business Leadership Associate of Science degree program develops leadership skills needed for success in business careers through effective communications, problem-solving techniques, decision making, and managing resources and meetings. Topics also include economic, sociocultural, and technological trends, making ethical decisions, and motivating others. Some jobs that apply the skills learned in this degree include first-line supervisors, department, production, or plant supervisors, operations supervisors and managers, project managers, and assistants for these positions across various industries of interest. The curriculum in the Business Leadership Associate Degree program is designed to provide students the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers in business, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Communicate clearly, effectively, and appropriately in writing and orally.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development, operation, and success of businesses.
- Assess human communication styles; plan and apply motivational strategies; solve human relations issues.
- Demonstrate the importance of leadership in managing change and implementing a new vision for an organization.
- Evaluate and apply ethical leadership strategies to various leadership situations.

Requirements

Required Core: **Units:** 32.0-34.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		

BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
OR		
COMM 20	INTERCULTURAL COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
Select one		3.0
BUS 120	BUSINESS MANAGEMENT	3.0
OR		
BUS 118	BUSINESS LEADERSHIP	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 205	BUSINESS MATH	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 229	ORGANIZATIONAL BEHAVIOR	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 32.0-34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS LEADERSHIP - Certificate of Achievement

Summary

The Business Leadership Certificate of Achievement is designed to increase the ability to succeed in a highly competitive work environment. It adds to and/or enhances leadership skills. The program develops leadership skills needed for success in business careers through effective communications, problem-solving, decision making, motivation, and teamwork strategies, and managing resources and meetings. Some jobs that apply the skills developed in completing this certificate include administrative assistants, first-line supervisory assistants, administrative support workers, operations management assistants, facilities managers, project management assistants, and other decision-making roles.

Learning Outcome(s):

- Communicate clearly, effectively, and appropriately in writing and orally.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of businesses.
- Assess human communication styles and interact effectively based on those assessments.
- Plan and apply strategies to motivate others.
- Solve human relations issues.
- Demonstrate the importance of leadership in managing change and implementing a vision for an organization.
- Evaluate and apply ethical leadership strategies to various organizational situations.

Requirements

Required Core: **Units:** 22.0-24.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
Select one		3.0
BUS 118	BUSINESS LEADERSHIP	3.0
OR		

BUS 120	BUSINESS MANAGEMENT	3.0
Select one		3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
OR		
COMM 20	INTERCULTURAL COMMUNICATION	3.0
OR		
BUS 21	BUSINESS ETHICS	3.0

Total: 22.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUSINESS MANAGEMENT - A.S. Degree

Summary

The Business Management Associate of Science Degree prepares students with the key competencies and concepts related to positions involving leading, planning, organizing, directing, controlling, making decisions. Positions that need these skills include office, recreation, inventory, production, schedule, and other management and management assistant positions across a wide range of industries. The program prepares new employees for such positions and upgrades the skills of employees already holding such positions. The curriculum in the Business Management Associate Degree program is designed to provide students the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers in business, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Communicate clearly, effectively, and appropriately in writing and orally.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of businesses.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Apply the basics of financial accounting.
- Assess human communication styles; plan and apply motivational strategies; solve human relations issues.
- List, describe, and give examples of the key management functions of planning, organizing, leading, controlling, and project management.
- Apply principles of management in ways that will contribute to organizational and business success and social responsibility using case studies, simulations, and classroom participation.

Requirements

Required Core: **Units:** 29.0-31.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 205	BUSINESS MATH	3.0

OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
OR		
BUS 135	MARKETING	3.0

Restricted Electives: Select two courses **Units:** 6.0

BUS 16	PERSONAL LAW,STREET LAW	3.0
BUS 21	BUSINESS ETHICS	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 150	INTERNATIONAL BUSINESS	3.0
BUS 160	ENTREPRENEURSHIP	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
BUS 224	MONEY, BANKS, AND FINANCIAL INSTITUTIONS	3.0
BUS 227	EMPLOYMENT LAW	3.0
BUS 229	ORGANIZATIONAL BEHAVIOR	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 35.0-37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

THE BUSINESS OF HORTICULTURE AND LANDSCAPE DESIGN - Certificate of Achievement

Summary

Students who complete this program will gain fundamental knowledge in business aspects, including contracts, time management, as well as soft skills that are critical for successful horticulture and landscape services. Students will have opportunities to apply their understanding of effective and efficient business functions to maintain and expand the business with a focus on being sustainable in horticulture and landscape design, construction and maintenance. Graduates with these skills can gain entry-level employment or start their own businesses in horticulture and landscape professions.

All professions in horticulture and landscape design industries need many different levels of business management, including projects, time, human resources and assets. Also, being able to prepare and manage legal and financial tasks, such as, cost estimates and budgets, schedules, proposals and contracts, is critical for sustaining the business. Some examples of jobs may be Office managers, Cost estimators, Team leaders, Construction supervisors, Maintenance schedulers, etc.

Learning Outcome(s):

- Recognize the importance of business aspects of horticulture and landscape design, such as, liabilities, time and finances, client relationships, office and human resources.
- Perform proper project management in time and money.
- Avoid unnecessary liability risks and negative legal consequences.

Requirements

Required Core: **Units:** 9.0

BUS 160	ENTREPRENEURSHIP	3.0
HORT 138	THE SUSTAINABLE LANDSCAPE	3.0
HORT 140	BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE	3.0

Restricted Electives: **Units:** 3.0-6.0

Group 1: Select one course		1.0-3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
HORT 139	CONTEMPORARY LANDSCAPE DESIGN TRENDS	3.0
Group 2: Select one course		2.0-3.0
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
HORT 180WE	HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE	2.0

Total: 12.0-15.0

Cal-GETC - Certificate of Achievement

Summary

The California General Education Transfer Curriculum (Cal-GETC) is an interdisciplinary program that allows students to acquire and integrate knowledge in the areas of English Communication (composition, critical thinking and oral), quantitative reasoning, scientific inquiry, arts, humanities, social sciences, and ethnic studies.

Students may earn a Certificate of Achievement upon completion of the California General Education Transfer Curriculum (Cal-GETC) with a minimum of 34 units. Courses must be completed with a "C" grade or better or "Pass". The Cal-GETC should be completed by students who intend to transfer to the University of California (UC), California State University (CSU) and may also be accepted at some private/independent or out-of-state universities. See www.assist.org for more information.

Learning Outcome(s):

- Demonstrate effective English Communication through writing, critical thinking and oral communication.
- Develop, present, use, and critique quantitative arguments.
- Understand the nature and richness of human culture and social structures through a comparative approach.
- Recognize the contributions to knowledge, civilization, and society that have been made by men, women, and members of various ethnic or cultural groups.
- Explain basic scientific concepts of the physical and biological aspects of the world.

Requirements

Area 1: English Communication (Complete three courses - minimum 9 semester or 12 quarter units) **Units:** 9.0

1A. English Composition (Complete one course - minimum 3 semester or 4 quarter units)		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
1B. Critical Thinking and Composition (Complete one course - minimum 3 semester or 4 quarter units)		
ENGL C1001 *	Critical Thinking and Writing	3.0
OR		
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
1C. Oral Communication (Complete one course - minimum 3 semester or 4 quarter units)		
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0

Area 2: Mathematical Concepts and Quantitative Reasoning (Complete one course - minimum 3 semester or 4 quarter units) **Units:** 3.0

BUS 10 *	BUSINESS STATISTICS	3.0
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0

CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
MATH 2 * +	PRE-CALCULUS MATHEMATICS	5.0
MATH C2210 * +	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H * +	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 8 * +	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
MATH 11 * +	A BRIEF COURSE IN CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0

Area 3: Arts and Humanities (Complete two courses - minimum 6 semester or 8 quarter units) **Units:** 6.0

Complete one course from Area 3A (Arts) and one course from Area 3B (Humanities).

3A. Arts

ARCH 12	HISTORY OF ARCHITECTURE	3.0
ARCH 14	CALIFORNIA ARCHITECTURE	3.0
ART 4	FUNDAMENTALS OF ART	3.0
ARTH 20	ART APPRECIATION	3.0
ARTH 21	WOMEN AND ART	3.0
ARTH 22	SURVEY OF ASIAN ART (INDIA, CHINA, JAPAN, AND KOREA)	3.0
ARTH 23	AFRICAN, OCEANIC, AND ANCIENT NORTH AMERICAN ART	3.0
ARTH 24	INDIGENOUS ARTS OF THE AMERICAS	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ARTH 29	INTRODUCTION TO WORLD ART	3.0
ARTH 30	HISTORY OF MODERN ART 1825-1945	3.0
ARTH 32	SURVEY OF CONTEMPORARY ART	3.0
CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		

CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
CTVR 4	CINEMATIC STORYTELLING	3.0
CTVR 5	HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA	3.0
CTVR 7	CROSS CULTURAL CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
DANC 64	HISTORY OF DANCE	3.0
DANC 74	MULTICULTURAL DANCE HISTORY IN THE UNITED STATES	3.0
FA 27	INTRODUCTION TO FINE ARTS	3.0
OR		
FA 27H	HONORS INTRODUCTION TO FINE ARTS	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
GD 1	HISTORY OF ANIMATION	3.0
GD 2	HISTORY OF GRAPHIC DESIGN	3.0
HORT 15	HISTORY OF LANDSCAPE DESIGN	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
KNES 32	SPORTS AND FILM	3.0
MUS 20	MUSIC APPRECIATION	3.0
MUS 23	INTRODUCTION TO WORLD MUSIC	3.0
MUS 24	MUSIC SINCE 1900	3.0
MUS 25 *	MUSIC HISTORY TO MOZART C. 1750	3.0
MUS 26 *	MUSIC HISTORY SINCE MOZART FROM C. 1750	3.0
MUS 27	HISTORY OF JAZZ	3.0
MUS 28	HISTORY OF ROCK	3.0
PHOT 25	HISTORY OF PHOTOGRAPHY	3.0
TA 20	THEATRE APPRECIATION	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0

3B. Humanities

ARAB 2 *	ELEMENTARY ARABIC	5.0
ARAB 3 *	INTERMEDIATE ARABIC	5.0
ARAB 4 *	INTERMEDIATE ARABIC	5.0
ARAB 21	INTRODUCTION TO ARABIC CULTURE	3.0
CHI 2 *	ELEMENTARY CHINESE	5.0
CHI 3 *	INTERMEDIATE CHINESE	5.0
CHI 4 *	INTERMEDIATE CHINESE	5.0
CHI 21 *	INTRODUCTION TO CHINESE CULTURE AND INFLUENCE IN THE U.S.	3.0
ENG 15A	SURVEY OF AMERICAN LITERATURE - 1620-1860	3.0
ENG 15B	SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY	3.0
ENG 17A	SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT	3.0
ENG 17B	SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT	3.0
ENG 18	SHAKESPEARE - THE TRAGEDIES	3.0
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0
ENG 22	INTRODUCTION TO SHAKESPEARE	3.0
OR		
ENG 22H	HONORS INTRODUCTION TO SHAKESPEARE	3.0
ENG 24	ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US	3.0

ENGL C1002 *	Introduction to Literature	3.0
OR		
ENGL C1002H *	Introduction to Literature - Honors	3.0
ENG 27A	INTRODUCTION TO THE NOVEL	3.0
OR		
ENG 27AH	HONORS INTRODUCTION TO THE NOVEL	3.0
ENG 42	CHILDREN'S LITERATURE	3.0
ENG 44	CLASSICAL MYTHOLOGY	3.0
ENG 52	THE FILM AS LITERATURE	3.0
ENG 55	SCIENCE FICTION AND SOCIETY	3.0
FR 2 *	ELEMENTARY FRENCH	5.0
FR 3 *	INTERMEDIATE FRENCH	5.0
FR 4 *	INTERMEDIATE FRENCH	5.0
FR 21 *	INTRODUCTION TO FRENCH CULTURE	3.0
GER 2 *	ELEMENTARY GERMAN	5.0
GER 3 *	INTERMEDIATE GERMAN	5.0
GER 4 *	INTERMEDIATE GERMAN	5.0
GER 21	INTRODUCTION TO GERMAN CULTURE	3.0
HEBR 2 *	ELEMENTARY HEBREW	5.0
HIST 4	WORLD HISTORY TO 1500	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0
HIST C1001 + ‡	United States History to 1877	3.0
HIST C1002 + ‡	United States History since 1865	3.0
HIST 30 ‡	HISTORY OF MEXICO	3.0
HIST 70 ‡	HISTORY OF ASIA TO 1800	3.0
HIST 71 ‡	HISTORY OF ASIA SINCE 1800	3.0
HIST 72 ‡	HISTORY OF CHINA	3.0
HIST 75 ‡	HISTORY OF THE MODERN MIDDLE EAST	3.0
HON 11H *	HONORS CULTURE, SCIENCE, SOCIETY - RENAISSANCE	3.0
HON 12H *	HONORS CULTURE, SCIENCE, SOCIETY - THE POSTMODERN WORLD	3.0
HON 13H *	HONORS CULTURE, SCIENCE, SOCIETY - POWER, RESISTANCE, EMPIRE	3.0
HON 14H *	HONORS CULTURE, SCIENCE, SOCIETY - TRANSFORMATION OF EMPIRE	3.0
HUM 1	INTRODUCTION TO HUMANITIES	3.0
HUM 2	ORIGINS OF WESTERN CULTURE IN LITERATURE	3.0
HUM 21	THE SEARCH FOR MEANING - IDEAS OF SELF ACROSS CULTURES	3.0
ITA 2 *	ELEMENTARY ITALIAN	5.0
ITA 21 *	INTRODUCTION TO ITALIAN CULTURE	3.0
JA 2 *	ELEMENTARY JAPANESE	5.0
JA 3 *	INTERMEDIATE JAPANESE	5.0
JA 4 *	INTERMEDIATE JAPANESE	5.0
JA 21 *	INTRODUCTION TO JAPANESE CULTURE	3.0
KOR 2 *	ELEMENTARY KOREAN	5.0
KOR 3 *	INTERMEDIATE KOREAN	5.0
KOR 4 *	INTERMEDIATE KOREAN	5.0
KOR 21 *	INTRODUCTION TO KOREAN CULTURE	3.0
PHIL 1	INTRODUCTION TO PHILOSOPHY	3.0

OR		
PHIL 1H	HONORS INTRODUCTION TO PHILOSOPHY	3.0
PHIL 5	HISTORY OF MODERN PHILOSOPHY	3.0
PHIL 10	WORLD RELIGIONS	3.0
PHIL 14 *	PHILOSOPHY OF RELIGION	3.0
PHIL 15	INTRODUCTION TO ETHICS	3.0
PHIL 16	PHILOSOPHY AND FILM	3.0
PRSN 2 *	ELEMENTARY PERSIAN	5.0
PRSN 3 *	INTERMEDIATE PERSIAN	5.0
PRSN 4 *	INTERMEDIATE PERSIAN	5.0
PRSN 21 *	INTRODUCTION TO PERSIAN CULTURE	3.0
SL 2 *	AMERICAN SIGN LANGUAGE II	4.0
SL 3 *	AMERICAN SIGN LANGUAGE III	4.0
SL 4 *	AMERICAN SIGN LANGUAGE IV	4.0
SPAN 2 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 2H *	HONORS ELEMENTARY SPANISH	5.0
SPAN 3 *	INTERMEDIATE SPANISH	5.0
SPAN 4 *	INTERMEDIATE SPANISH	5.0
SPAN 11 *	ADVANCED CONVERSATIONAL SPANISH	3.0
SPAN 20A *	CIVILIZATION OF SPAIN THROUGH 1898	3.0
SPAN 20B *	CIVILIZATION OF SPAIN 1898 TO PRESENT	3.0
SPAN 21A *	CIVILIZATION OF LATIN AMERICA THROUGH 1900	3.0
SPAN 21B *	CIVILIZATION OF LATIN AMERICA 1900-PRESENT	3.0
SPAN 21C *	HISPANIC CULTURE AND LITERATURE IN THE UNITED STATES	3.0

Area 4: Social and Behavioral Sciences (Complete two courses - minimum 6 semester or 8 quarter units) **Units:** 6.0

Complete two courses from two different academic disciplines.

ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
ANTH 3 *	CULTURE AND LANGUAGE	3.0
ANTH 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ES 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ANTH 5	ANTHROPOLOGY OF LATIN AMERICA - CULTURE, IDENTITY, AND POWER	3.0
ANTH 8	WORLD PREHISTORY	3.0
ANTH 9	INTRODUCTION TO ARCHAEOLOGY	3.0
ANTH 13	MAGIC, WITCHCRAFT, AND RELIGION	3.0
ANTH 22	MEDICAL ANTHROPOLOGY - CULTURE, HEALTH, AND HEALING	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
CDEV C1000	Child Growth and Development	3.0
COMM 20 +	INTERCULTURAL COMMUNICATION	3.0
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0

ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
OR		
ENV 1H	HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
ENV 6 *	SCARCITY AND ENVIRONMENT	3.0
ES 1 ‡	INTRODUCTION TO ETHNIC STUDIES	3.0
OR		
ES 1H	HONORS INTRODUCTION TO ETHNIC STUDIES	3.0
ES 3 ‡	INTRODUCTION TO CHICANX AND LATINX STUDIES	3.0
OR		
ES 3H	HONORS INTRODUCTION TO CHICANX AND LATINX STUDIES	3.0
ES 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ANTH 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ES 6	BORDERS AND BORDERLANDS	3.0
ES 7	INTRODUCTION TO AFRICAN AMERICAN STUDIES	3.0
ES 8	INTRODUCTION TO ASIAN AMERICAN STUDIES	3.0
ES 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
OR		
SOC 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
ES 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
OR		
HIST 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
ES 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
OR		
GEOG 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
ES 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
OR		
HIST 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
ES 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
OR		
HIST 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		

GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0
GEOG 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
OR		
ES 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
GEOG 38	CALIFORNIA GEOGRAPHY	3.0
GLST 1 *	INTRODUCTION TO GLOBAL STUDIES	3.0
GLST 2 *	GLOBAL ISSUES	3.0
GSS 10	INTRODUCTION TO GENDER AND SEXUALITY STUDIES	3.0
OR		
GSS 10H	HONORS INTRO TO GENDER AND SEXUALITY STUDIES	3.0
GSS 11H	HONORS INTRODUCTION TO FEMINIST THEORY	3.0
GSS 15	INTRODUCTION TO QUEER STUDIES	3.0
GSS 31	GENDER AND POPULAR CULTURE	3.0
GSS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
OR		
PS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
HIST 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
OR		
ES 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
HIST 11	PERSPECTIVES OF PEACE STUDIES	3.0
HIST 12	REVOLUTIONS AND REVOLTS	3.0
HIST 15	THE VIETNAM WAR	3.0
HIST C1001 + ‡	United States History to 1877	3.0
HIST C1002 + ‡	United States History since 1865	3.0
HIST 19	UNITED STATES SINCE 1945	3.0
HIST 21	WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE	3.0
HIST 22 +	SURVEY OF UNITED STATES HISTORY	3.0
HIST 27	LATIN AMERICA - PRE-EUROPEAN TO INDEPENDENT NATIONHOOD	3.0
HIST 28	LATIN AMERICA - 1800 TO THE PRESENT	3.0
HIST 30 ‡	HISTORY OF MEXICO	3.0
HIST 32	CALIFORNIA HISTORY	3.0
HIST 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
OR		
ES 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
HIST 62	EUROPEAN HISTORY TO 1650	3.0
HIST 63	EUROPEAN HISTORY SINCE 1650	3.0
HIST 70 ‡	HISTORY OF ASIA TO 1800	3.0
HIST 71 ‡	HISTORY OF ASIA SINCE 1800	3.0
HIST 72 ‡	HISTORY OF CHINA	3.0
HIST 74	HISTORY OF THE MIDDLE EAST TO 1800	3.0
HIST 75 ‡	HISTORY OF THE MODERN MIDDLE EAST	3.0
HIST 78	HISTORY OF JAPAN	3.0
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0

HIST 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
OR		
ES 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1	MASS MEDIA AND SOCIETY	3.0
KNES 46	SPORTS AND SOCIETY	3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0
PS 4	INTRODUCTION TO POLITICAL SCIENCE	3.0
PS 10H	HONORS POLITICAL THEORY	3.0
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
PS 12	COMPARATIVE POLITICS AND GOVERNMENT	3.0
PS 14	INTERNATIONAL RELATIONS	3.0
PS 45	HUMAN RIGHTS IN A GLOBALIZED WORLD	3.0
PS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
OR		
GSS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
PS 65	INTRODUCTION TO RACE AND ETHNICITY IN POLITICAL SCIENCE	3.0
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
PSYC 2 *	RESEARCH METHODS IN PSYCHOLOGY	3.0
OR		
PSYC 2H *	HONORS RESEARCH METHODS IN PSYCHOLOGY	3.0
PSYC 4	INTRODUCTION TO COGNITIVE PSYCHOLOGY	3.0
PSYC 5 *	PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY	3.0
PSYC 7 *	DEVELOPMENTAL PSYCHOLOGY - CHILDHOOD THROUGH ADOLESCENCE	3.0
PSYC 16 *	INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY	3.0
PSYC 21	THE PSYCHOLOGY OF WOMEN	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0
PSYC 33	PSYCHOLOGY OF ADJUSTMENT	3.0
PSYC 37 *	ABNORMAL BEHAVIOR	3.0
SOCI C1000	Introduction to Sociology	3.0
OR		

SOCI C1000H	Introduction to Sociology - Honors	3.0
SOC 2	SOCIAL PROBLEMS	3.0
OR		
SOC 2H	HONORS SOCIAL PROBLEMS	3.0
SOC 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
OR		
ES 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
SOC 12	SOCIOLOGY OF AGING	3.0
SOC 15 *	SOCIALIZATION OF THE CHILD	3.0
SOC 16	DEATH AND DYING	3.0
SOC 18	INTRODUCTION TO AGING	3.0
SOC 21	WOMEN IN CONTEMPORARY SOCIETY	3.0
SOC 23	FOOD AND SOCIETY	3.0
SOC 25	SOCIAL STRATIFICATION	3.0
SOC 30	SOCIAL PSYCHOLOGY	3.0
OR		
PSYC 30	SOCIAL PSYCHOLOGY	3.0

Area 5: Physical and Biological Sciences (Complete two courses - minimum 7 semester or 9 quarter units) **Units:** 7.0

Complete one course from Area 5A (Physical Science) and one course from Area 5B (Biological Science).
One course <u>MUST</u> include a laboratory (Area 5C).

5A. Physical Science

ASTR C1001	Introduction to Astronomy	3.0
ASTR 21	THE SOLAR SYSTEM	3.0
OR		
GEOL 21	THE SOLAR SYSTEM	3.0
CHEM 1A * +	GENERAL CHEMISTRY	5.0
CHEM 1B * +	GENERAL CHEMISTRY	5.0
CHEM 3 * +	FUNDAMENTAL CHEMISTRY	4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
CHEM 12A *	ORGANIC CHEMISTRY	5.0
CHEM 12B *	ORGANIC CHEMISTRY	5.0
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
ENV 38	WATER QUALITY AND MONITORING	3.0
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
GEOL 1 +	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GEOL 2 *	HISTORICAL GEOLOGY	4.0
GEOL 3	GEOLOGY OF CALIFORNIA	3.0

GEOL 4	NATURAL DISASTERS	3.0
GEOL 7	WEATHER AND CLIMATE	3.0
GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0
GEOL 21	THE SOLAR SYSTEM	3.0
OR		
ASTR 21	THE SOLAR SYSTEM	3.0
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
MS 4	SOUTHERN CALIFORNIA COASTAL ECOLOGY	4.0
MS 20	INTRODUCTION TO OCEANOGRAPHY	4.0
PHYS 2A * +	INTRODUCTION TO PHYSICS	5.0
PHYS 2B * +	INTRODUCTION TO PHYSICS	5.0
PHYS 4A * +	GENERAL PHYSICS	5.0
PHYS 4B * +	GENERAL PHYSICS	5.0
PHYS 4C * +	GENERAL PHYSICS	5.0
PHYS 20 +	THE IDEAS AND EVENTS OF PHYSICS	4.0
PHYS 30 *	PHYSICS AND CHEMISTRY FOR ELEMENTARY EDUCATORS	4.0

5B. Biological Science

ANTH C1001	Introduction to Biological Anthropology	3.0
OR		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3.0
BIO 3C *	BIOCHEMISTRY AND MOLECULAR BIOLOGY	5.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 19 *	MARINE BIOLOGY	4.0
BIOL C1000 +	Introduction to Biology with Lab	4.0
BIO 28	PLANTS AND HUMAN AFFAIRS	3.0
BIO 30 *	HUMAN BIOLOGY	3.0
BIO 31	BIOLOGY OF PLANTS	4.0
BIO 40	EVOLUTION	3.0
BIO 43 *	ANIMAL BEHAVIOR	3.0
BIO 45 *	BIOLOGY OF HUMAN DISEASE	3.0
ENV 5	BIODIVERSITY CONSERVATION	3.0
ENV 18	INTRODUCTION TO ECOLOGY	4.0
ENV 24	NATURAL HISTORY OF CALIFORNIA	4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
PSYC 3 *	BIOLOGICAL PSYCHOLOGY	4.0

5C. Laboratory

ANTH C1001L *	Biological Anthropology Lab	1.0

ASTR 25 *	OBSERVATIONAL ASTRONOMY	3.0
BIO 3C *	BIOCHEMISTRY AND MOLECULAR BIOLOGY	5.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 19 *	MARINE BIOLOGY	4.0
BIOL C1000 +	Introduction to Biology with Lab	4.0
BIO 31	BIOLOGY OF PLANTS	4.0
CHEM 1A * +	GENERAL CHEMISTRY	5.0
CHEM 1B * +	GENERAL CHEMISTRY	5.0
CHEM 3 * +	FUNDAMENTAL CHEMISTRY	4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
CHEM 12A *	ORGANIC CHEMISTRY	5.0
CHEM 12B *	ORGANIC CHEMISTRY	5.0
ENV 18	INTRODUCTION TO ECOLOGY	4.0
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
ENV 24	NATURAL HISTORY OF CALIFORNIA	4.0
GEOG 1L *	PHYSICAL GEOGRAPHY LABORATORY	1.0
GEOL 1 +	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GEOL 2 *	HISTORICAL GEOLOGY	4.0
GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
MS 4	SOUTHERN CALIFORNIA COASTAL ECOLOGY	4.0
MS 20	INTRODUCTION TO OCEANOGRAPHY	4.0
PHYS 2A * +	INTRODUCTION TO PHYSICS	5.0
PHYS 2B * +	INTRODUCTION TO PHYSICS	5.0
PHYS 4A * +	GENERAL PHYSICS	5.0
PHYS 4B * +	GENERAL PHYSICS	5.0
PHYS 4C * +	GENERAL PHYSICS	5.0
PHYS 20 +	THE IDEAS AND EVENTS OF PHYSICS	4.0
PHYS 30 *	PHYSICS AND CHEMISTRY FOR ELEMENTARY EDUCATORS	4.0

Area 6: Ethnic Studies (Complete one course - minimum 3 semester or 4 quarter units) **Units:** 3.0

ANTH 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ES 1 ‡	INTRODUCTION TO ETHNIC STUDIES	3.0
ES 3 ‡	INTRODUCTION TO CHICANX AND LATINX STUDIES	3.0
ES 4 ‡	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0

Total: 34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
\+ UC credit may be limited. (1) No credit given for an introductory course if taken after a more advanced college course, e.g. BIOL C1000 or GEOL 20, and (2) credit may be limited for courses with overlapping content, e.g. HIST C1001, C1002, 22, or MATH 2, 7, 8.
‡ Course may be listed in more than one area, but shall not be certified in more than one area.

Cal-GETC credit may be granted for some courses with an AP Exam score of 3, 4, or 5. See the college catalog for additional information.

CATERING AND SPECIAL EVENTS - A.S. Degree

Summary

The Catering and Special Events Associate of Science degree is designed to prepare students for a wide variety of employment opportunities within catering operations such as catering managers, catering chefs and head cooks, catering cooks, and catering business owners. In addition, the program also offers coursework for professional improvement. Students will be provided with the essential skills of sanitation, foundational cooking and baking, operations, and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate preparation for employment in the catering industry.
- Demonstrate proficient catering skills necessary for business operations.
- Demonstrate competence in the production of catered events.

Requirements

Required Core: **Units:** 41.0-43.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 201 *	CULINARY PRINCIPLES II	4.0
CUL 275 *	DINING ROOM SERVICE	4.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 182 *	CATERING AND BANQUETS	3.0
HRM 152	SPECIAL EVENTS MANAGEMENT	3.0
CUL 285 *	PERSONAL CHEF	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 41.0-43.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

CATERING AND SPECIAL EVENTS - Certificate of Achievement

Summary

The Catering and Special Events Certificate of Achievement is designed to prepare students for a wide variety of employment opportunities within catering operations such as catering managers, catering chefs and head cooks, catering cooks, and catering business owners. In addition, the program also offers coursework for professional improvement. Students will be provided with the essential skills of sanitation, foundational cooking and baking, operations, and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate preparation for employment in the catering industry.
- Demonstrate proficient catering skills necessary for business operations.
- Demonstrate competence in the production of catered events.

Requirements

Required Core: **Units:** 41.0-43.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 201 *	CULINARY PRINCIPLES II	4.0
CUL 275 *	DINING ROOM SERVICE	4.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 182 *	CATERING AND BANQUETS	3.0
HRM 152	SPECIAL EVENTS MANAGEMENT	3.0
CUL 285 *	PERSONAL CHEF	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0

Total: 41.0-43.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

CHEMISTRY - A.S. Degree

Summary

The curriculum in the Chemistry Associate Degree program is designed to provide the transfer student the opportunity to achieve an associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment at the technician level in government agencies and many areas of industry and manufacturing such as petroleum, foods, pharmaceuticals, plastics, and textiles.

Learning Outcome(s):

- Demonstrate a working knowledge of inorganic and organic chemistry, including calculations, reactions, and nomenclature.
- Apply to other fields.
- Demonstrate problem-solving and critical thinking skills.
- Engage in hands-on experiences in both the classroom and the laboratory.
- Show confidence in laboratory skills, operate independently during many procedures, and learn to design their own experiments.
- Interpret experimental information, develop relationships, and correlate that experimental information with theory.
- Write quality exams and laboratory reports, with well-developed explanations, discussions, and conclusions.

Requirements

Required Core: **Units:** 20.0

CHEM 1A *	GENERAL CHEMISTRY	5.0
CHEM 1B *	GENERAL CHEMISTRY	5.0
CHEM 12A *	ORGANIC CHEMISTRY	5.0
CHEM 12B *	ORGANIC CHEMISTRY	5.0

Associate of Science Degree

Completion of all the courses listed above and a minimum of 60 units including the general education requirements with an overall GPA of 2.0 qualifies the student for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CHILD AND ADOLESCENT DEVELOPMENT - AA-T Degree

Summary

The Associate in Arts in Child and Adolescent Development for Transfer (AAT) prepares students to demonstrate a basic understanding of child development theory and concepts, as well as preparation in lower-division coursework designed to enhance further developmental study. Studies include classical and contemporary research spanning conception through adolescence to promote the positive developmental outcomes essential to fostering healthy growth and learning of children and families in a diverse society. The major incorporates information from a variety of disciplines to provide a broad academic and professional foundation for working with children and families.

The major will provide students with the strong preparation necessary for pursuing studies at the university level in

various careers such as children's services, mental health, family support, youth programs, developmental research, teaching, early childhood education, public policy, social work, school psychology, child life and similar fields related to children and their families from infancy through adolescence. The coursework is designed to meet the needs of people planning to transfer to CSU into programs in Child Development, Human Development, Child and Adolescent Development, Family and Consumer Sciences, and Liberal Studies (Child Development and Elementary Education Tracks). Students who complete the Associate in Arts in Child and Adolescent Development for Transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Synthesize research-based theories including principles and practices of child and adolescent development and learning.
- Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies.
- Use scientific methodologies to study human development from infancy through adolescence.
- Demonstrate knowledge of development in all learning domains from conception through adolescence, including knowledge about typical and atypical development.

Requirements

Required Core: **Units:** 9.0

CDEV C1000	Child Growth and Development	3.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
Select one		3.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

List A: **Units:** 9.0

CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
And		
Select two courses from below (6 units)		
CDE 18	EXCEPTIONAL CHILDREN	3.0
CDE 24	CHILD DEVELOPMENT: PRESCHOOL AND EARLY PRIMARY	3.0
CDE 26	SCHOOL AGE AND ADOLESCENT DEVELOPMENT	3.0
CDE 90 *	INTRO TO ELEMENTARY EDUCATION	3.0

CDE 101 *	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN	3.0
CDE 110 *	INTRODUCTION TO CURRICULUM	3.0
CDE 111	CHILD GUIDANCE AND COMMUNICATION	3.0
CDE 117 *	TEACHING IN A DIVERSE SOCIETY	3.0
CDE 120 *	OBSERVATION AND ASSESSMENT	3.0
CDE 123 *	INFANT AND TODDLER DEVELOPMENT	3.0
HS 120	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CHINESE - A.A. Degree

Summary

The curriculum in the Chinese program is designed to provide the student the opportunity to achieve an Associate of Arts in Chinese degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree in Chinese will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A Chinese degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the Chinese program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in Chinese degree.

Learning Outcome(s):

- Accurately interpret written sections in Chinese.
- Accurately interpret spoken language in Chinese.
- Demonstrate proficient conversational skills in Chinese.
- Demonstrate knowledge of the history, politics, literature, culture and arts of Chinese speaking countries as well as people who speak Chinese.

Requirements

Required Core: **Units:** 23.0

CHI 1 *	ELEMENTARY CHINESE	5.0
CHI 2 *	ELEMENTARY CHINESE	5.0
CHI 3 *	INTERMEDIATE CHINESE	5.0
CHI 4 *	INTERMEDIATE CHINESE	5.0
CHI 21 *	INTRODUCTION TO CHINESE CULTURE AND INFLUENCE IN THE U.S.	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CINEMA-TELEVISION-RADIO - A.S. Degree

Summary

The Cinema-Television-Radio degree provides preparation for work in the media industry through six specialty options: Cinema, Television, Radio, Post Production, Screen Acting and Voice Performance, or Critical Studies. Topics focus on specialized technical skills, including film/TV producing, directing, cinematography, video editing, production design, radio announcing and acting, that mirror real-world tasks as well as specific media analysis. Opportunities to build the technical, aesthetic, and project management skills needed for employment and advancement in a career in this field are embedded throughout the program. Jobs that utilize the knowledge and skills in this degree include camera operator, video journalist, TV show researcher, film editor, voice-over talent and/or film/TV show talent. This program provides and encourages both field and studio work in the student's area of specialty. Course options include participation in internships at various stations and facilities.

Learning Outcome(s):

- Apply skills and knowledge required to be successful in the media production industry.
- Produce a demo reel which can showcase their skills and knowledge and help them find employment.
- Demonstrate readiness for employment in the industry.
- Describe the technical, cultural and economic history and trends of radio, television or film.

Requirements

Required Core: **Units:** 6.0

CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 101	VIDEO PRODUCTION BASICS	3.0

Completion of One Specialty Area (14-15 units) **Units:** 14.0-15.0

Cinema Specialty

Required Courses:		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
Restricted Electives: (8-9 units)		
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 233 *	FILM PRODUCTION III	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0

CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Television Specialty

Required Courses:		
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Radio Specialty

Required Courses:		
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 113 *	RADIO BROADCASTING	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 114 *	RADIO STATION ACTIVITIES	2.0
CTVR 115 *	ADVANCED RADIO PERFORMANCE AND STUDIO OPERATIONS	2.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Post Production Specialty

Required Courses:		
CTVR 151	NON-LINEAR EDITING I	3.0

CTVR 251 *	NON-LINEAR EDITING II	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Screen Acting and Voice Performance Specialty

Required Courses:		
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 104	COLD READING AND INTERVIEW TECHNIQUES	3.0
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
TA 190	ACTING FOR TELEVISION AND FILM	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Critical Studies Specialty

Required Courses:		
CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
Restricted Electives: (8-9 units)		
CTVR 4	CINEMATIC STORYTELLING	3.0
CTVR 5	HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA	3.0
CTVR 7	CROSS CULTURAL CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
CTVR 100	INTRODUCTION TO CINEMA, TELEVISION, AND RADIO	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0

CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0
ENG 52 *	THE FILM AS LITERATURE	3.0
TA 47	DISNEY: BROADWAY, FILM, THEME PARKS, AND BEYOND	3.0
TA 48	FROM STAGE TO SCREEN: BROADWAY TO HOLLYWOOD	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degree

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 20.0-21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CINEMA-TELEVISION-RADIO - Certificate of Achievement

Summary

The Cinema-Television-Radio Certificate of Achievement provides preparation for work in the media industry through six specialty options: Cinema, Television, Radio, Post Production, Screen Acting and Voice Performance, or Critical Studies. The courses focus on specialized technical skills, including film/TV producing, directing, cinematography, video editing, production design, radio announcing and acting, that mirror real-world tasks as well as specific media analysis. Additionally, courses offer the opportunity to build the technical, aesthetic, and project management skills needed for employment and advancement in a career in this field. Students who complete this certificate can work in a variety of jobs including camera operator, video journalist, TV show researcher, film editor, voice-over talent and/or film/TV show talent.

Learning Outcome(s):

- Demonstrate readiness for employment in the media production industry.
- Apply skills and knowledge required for employment in the media production industry.
- Produce a demo reel showcasing media industry skills.

Requirements

Required Core: **Units:** 6.0

CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 101	VIDEO PRODUCTION BASICS	3.0

Completion of One Specialty Area (14-15 units) **Units:** 14.0-15.0

Cinema Specialty

Required Courses:

CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0

Restricted Electives: (8-9 units)		
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 233 *	FILM PRODUCTION III	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Television Specialty

Required Courses:		
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Radio Specialty

Required Courses:		
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 113 *	RADIO BROADCASTING	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 114 *	RADIO STATION ACTIVITIES	2.0
CTVR 115 *	ADVANCED RADIO PERFORMANCE AND STUDIO OPERATIONS	2.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0

CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Post Production Specialty

Required Courses:		
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Screen Acting and Voice Performance Specialty

Required Courses:		
CTVR 290	ACTING FOR THE CAMERA I	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
Restricted Electives: (8-9 units)		
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 104	COLD READING AND INTERVIEW TECHNIQUES	3.0
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 262	PRODUCTION MANAGEMENT	3.0
CTVR 264 *	CINEMATOGRAPHY	2.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
TA 190	ACTING FOR TELEVISION AND FILM	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Critical Studies Specialty

Required Courses:		
CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0

OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0

Restricted Electives: (8-9 units)

CTVR 4	CINEMATIC STORYTELLING	3.0
CTVR 5	HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA	3.0
CTVR 7	CROSS CULTURAL CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
CTVR 100	INTRODUCTION TO CINEMA, TELEVISION, AND RADIO	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 280 *	CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0
ENG 52 *	THE FILM AS LITERATURE	3.0
TA 47	DISNEY: BROADWAY, FILM, THEME PARKS, AND BEYOND	3.0
TA 48	FROM STAGE TO SCREEN: BROADWAY TO HOLLYWOOD	3.0

Total: 20.0-21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CINEMA-TELEVISION-RADIO CAREER SKILLS - Certificate of Achievement

Summary

The Cinema-Television-Radio Career Skills Certificate of Achievement is designed for seasoned professionals who wish to hone their skills and/or cross-over to another area of media production. It provides opportunities to gain the fundamental proficiencies and understanding in career skills, including film/TV producing, directing, cinematography, video editing, production design, radio announcing and acting, to work in the media industry through six specialty options: Cinema, Television, Radio, Post Production, Screen Acting and Voice Performance, or Critical Studies. The courses focus on specialized technical skills that mirror real-world tasks as well as specific media analysis. Additionally, they build the technical, aesthetic, and project management skills needed for employment and advancement in a career in this field. Students who complete this certificate can work in a variety of jobs including camera operator, video journalist, TV show researcher, film editor, voice-over talent and/or film/TV show talent.

Learning Outcome(s):

- Accurately use the language and vocabulary of video production.
- Demonstrate upgraded skills and knowledge required for employment in their selected specialty.
- Produce a demo reel showcasing media industry skills.

Requirements

Required Core: **Units:** 3.0

CTVR 101	VIDEO PRODUCTION BASICS	3.0

Completion of One Specialty Area (9-11 units) **Units:** 9.0-11.0

Cinema Specialty

Required Course:

CTVR 31 *	FILM PRODUCTION I	3.0

Restricted Electives: (6-8 units)

CTVR 32 *	FILM PRODUCTION II	3.0

CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 233 *	FILM PRODUCTION III	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Television Specialty

Required Course:		
CTVR 124 *	TELEVISION PRODUCTION I	3.0
Restricted Electives: (6-8 units)		
CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 151	NON-LINEAR EDITING I	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Radio Specialty

Required Course:		
CTVR 110	AUDIO PRODUCTION	3.0
Restricted Electives: (6-8 units)		
CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 113 *	RADIO BROADCASTING	3.0
CTVR 114 *	RADIO STATION ACTIVITIES	2.0
CTVR 115 *	ADVANCED RADIO PERFORMANCE AND STUDIO OPERATIONS	2.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Post Production Specialty

Required Course:		
CTVR 151	NON-LINEAR EDITING I	3.0
Restricted Electives: (6-8 units)		
CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 251 *	NON-LINEAR EDITING II	3.0
CTVR 253 *	DIGITAL SPECIAL EFFECTS	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Screen Acting and Voice Performance Specialty

Required Course:		
CTVR 290	ACTING FOR THE CAMERA I	3.0
Restricted Electives: (6-8 units)		
CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 104	COLD READING AND INTERVIEW TECHNIQUES	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
TA 190	ACTING FOR TELEVISION AND FILM	3.0
CTVR 291	ACTING FOR THE CAMERA II - CREATING A CHARACTER	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Critical Studies Specialty

Required Course:		
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
Restricted Electives: (6-8 units)		
CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 4	CINEMATIC STORYTELLING	3.0
CTVR 5	HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA	3.0
CTVR 7	CROSS CULTURAL CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
CTVR 100	INTRODUCTION TO CINEMA, TELEVISION, AND RADIO	3.0
TA 47	DISNEY: BROADWAY, FILM, THEME PARKS, AND BEYOND	3.0
TA 48	FROM STAGE TO SCREEN: BROADWAY TO HOLLYWOOD	3.0
CTVR 180WE	CINEMA, TV, RADIO WORK EXPERIENCE	2.0

Total: 12.0-14.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CLINICAL MEDICAL ASSISTANT - Certificate of Achievement

Summary

The Clinical Medical Assistant certificate is a Career Technical Education (CTE) program that includes competency based training to prepare to assist the physician in the medical back office or clinic. Students are taught and demonstrate skills including: electrocardiography (ECG), specimen collection, venipuncture, capillary puncture, medication administration, injections, medical, surgical asepsis, preparing and assisting with minor office surgery and physical examination procedures. Students practice documentation ensuring accurate data collection, quality results and regulatory compliance. Some coursework may apply towards earning the Associate Degree in Health Sciences.

Students complete 166 hours of supervised directed practice in the back office of a medical office or clinic. All courses must be completed with a grade of C or better. Proof of medical malpractice insurance, current Basic Life Support (BLS) CPR certification, health clearance, background check and drug screening are required prior to the clinical externship, MA 217B. Letter grade only.

Program completion meets California Certifying Board for Medical Assistant certification examination requirements (CCBMA).

Clinical experience (MA 217B) must be taken the session immediately following MA 212B and MA 214B due to patient safety requirements. Students should take, MA 211B, MA 213B prior to taking MA 212B and MA 214B.

Learning Outcome(s):

- Demonstrate clinical procedure skills, accurately and safely.
- Recognize and understand legal and ethical practices related to medical care.
- Demonstrate employable medical office skills and professionalism.

Requirements

Required Core: **Units:** 27.0

HSC 104	MEDICAL TERMINOLOGY	3.0
MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
MA 211B	PHYSICAL-EXAMINATION PROCEDURES	3.0

MA 213B *	MEDICAL ASEPSIS AND SURGICAL PROCEDURES	3.0
MA 212B	MEDICAL OFFICE LABORATORY PROCEDURES	3.0
MA 214B	MEDICATION ADMINISTRATION PROCEDURES	3.0
MA 218B	ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT	3.0
MA 217B *	MEDICAL ASSISTING CLINICAL EXPERIENCE CLINICAL	3.0

Total: 27.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COACHING - Occupational Skills Award

Summary

This Occupational Skills Award is designed to prepare students for gaining employment in coaching in a scholastic setting, support students' ability to earn coaching certification through the CIF-Southern Section, learn about sports management in youth sports at community centers and work in after school programs, and/or city and state sports activity programs. Students who complete the program will have the ability to assess sports-related injuries and first aid and explore the career opportunities in the fields of teaching, coaching, allied health, and fitness professions. They will be able to demonstrate knowledge and understanding of concepts and techniques of coaching and apply psychological foundations for enhancing sports performance. In addition, students will become cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED) certified. A minimum grade of "C" in all courses is required to receive this award.

Learning Outcome(s):

- Assess sports-related injuries and apply first aid.
- Understand the concepts and techniques of coaching.
- Apply psychological foundations for enhancing sports performance.

Requirements

Required Core: **Units:** 13.5

HLTH 2	FIRST AID, CPR, AND AUTOMATED EXTERNAL DEFIBRILLATOR	1.5
KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 53	INTRODUCTION TO ATHLETIC TRAINING	3.0
KNES 54 *	PRINCIPLES AND FUNDAMENTALS OF COACHING	3.0
KNES 105	MENTAL SKILLS FOR SPORTS PERFORMANCE	3.0

Total: 13.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMMERCIAL MUSIC - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Commercial Music prepares students for audition and transfer into a Bachelors of Arts in Music degree in Commercial Music. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year Commercial Music program, including the ability to perform a variety of commercial music styles. There is an audition requirement for MUS 50, MUS 39, MUS 182, MUS 184 and MUS 187. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, intonation, instrument tone, reading, and understanding of the stylistic differences in popular music styles. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music

AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Perform commercial music styles, both solo and as part of an ensemble, with correct tone, phrasing, intonation, and stylistic gestures

Requirements

Required Core: **Units:** 10.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0

Required Ensembles: Complete two semesters from the following **Units:** 4.0

MUS 39 *	COMMERCIAL MUSIC ENSEMBLE	2.0
MUS 182 *	SOUL MUSIC ENSEMBLE	2.0
MUS 184 *	ELECTRONIC MUSIC ENSEMBLE	2.0
MUS 187 *	MODERN ROCK AND POP MUSIC ENSEMBLE	2.0

Restricted Electives: **Units:** 2.5-3.0

MUS 130	MUSIC PRODUCTION I	2.5
MUS 117 *	POPULAR SONGWRITING	3.0
MUS 118	DIGITAL MULTI-TRACK MUSIC RECORDING	2.5

Total: 16.5-17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
^ Students must complete 2 semesters of Applied Music to earn the certificate.

COMMUNICATION STUDIES 2.0 - AA-T Degree

Summary

Intended for students who wish to develop a fundamental understanding of how communication functions in their daily life and in the fabric of society. Students who complete the Associate in Arts in Communication Studies 2.0 degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. After successful completion of the transfer degree in Communication Studies 2.0, students may pursue a baccalaureate degree in such areas as teaching, public speaking, law, public relations, advertising, organizational, intercultural, and interpersonal communication. The Associate in Arts in Communication Studies 2.0 for Transfer Degree may support attempts to gain entry-level employment in fields such as business, industry, government, social service, education, and law.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate ethical ways of interacting in their everyday lives.
- Demonstrate ability to effectively deliver public presentations before live audiences in a variety of settings.
- Apply practical strategies for enhancing the quality of their personal and professional relationships.
- Demonstrate ability to consume public communication critically.
- Demonstrate the ability to construct mindful messages through research and analysis of evidence whether communicated orally or in writing.

Requirements

Required Core: **Units:** 6.0

Select one		3.0
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0
Complete		3.0
COMM C1004	Interpersonal Communication	3.0

List A: Select three courses (9 units) **Units:** 9.0

COMM 3	ARGUMENTATION AND DEBATE	3.0
COMM 106	FORENSICS ACTIVITY	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
COMM 30	INTRODUCTION TO ORAL INTERPRETATION	3.0
COMM 2 *	PERSUASION	3.0

List B: Select one of the following courses or any course from List A not already used (3 units) **Units:** 3.0

ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
SOCI C1000	Introduction to Sociology	3.0

OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
COMM 8	GENDER COMMUNICATION	3.0
COMM 32 *	INTERPRETERS' THEATRE	3.0
COMM 110	RHETORIC OF POPULAR CULTURE	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMMUNITY HEALTH WORKER - Certificate of Achievement

Summary

The Community Health Worker (CHW) Certificate of Achievement equips students with essential skills for working in public health, healthcare, and social services. Graduates will be prepared to improve the quality of life in communities by identifying social determinants of health (SDOH) and addressing health disparities. CHWs play crucial roles as navigators, educators, and informal counselors, connecting community members, particularly in hard-to-reach and vulnerable populations, with clinical and social services. They often serve as liaisons between clinicians and patients, providing informal counseling, case management, health education, and health care system navigation.

The program is suitable for both entry-level individuals and those seeking to gain additional competencies in various fields. Graduates can find employment in diverse settings such as healthcare clinics, mental health facilities, substance abuse programs, nursing homes, assisted living facilities, and neighborhood and faith-based organizations.

Occupations:

- Community Health Worker
- Health Advocates
- Contact Tracers
- Community Liaisons
- Health Navigators
- Promotores
- Community Navigators
- Community Health Advisors
- Outreach Educators
- Community Health Representatives
- Peer Health Promoters

Competencies:

- Communication Skills
- Interpersonal And Relationship-Building Skills
- Service Coordination And Navigation Skills
- Capacity Building Skills
- Advocacy Skills
- Education And Facilitation Skills
- Individual And Community Assessment Skills
- Outreach Skills
- Professional Skills And Conduct
- Evaluation And Research Skills
- Knowledge Base

Learning Outcome(s):

- Describe the U.S. healthcare system in terms of social, psychological, and physiological impact on health and the services offered by each component.
- Describe how education, socioeconomic status, racism, and gender shape health outcomes.

- Facilitate access to resources and increase the clients' ability to navigate the health care system.
- Describe the concept of public health as it relates to community health workers.

Requirements

Required Core: **Units:** 18.0

PH 1	INTRODUCTION TO PUBLIC HEALTH	3.0
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
PH 110	HEALTH SYSTEMS AND PERSPECTIVES	3.0
PH 206	FOUNDATIONS FOR COMMUNITY HEALTH WORKERS	3.0
PH 103	HEALTH AND SOCIAL JUSTICE	3.0
PH 205 *	DIRECTED PRACTICE FOR COMMUNITY HEALTH CARE WORKER	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMMUNITY MUSIC TEACHING - Certificate of Achievement

Summary

The Certificate of Achievement in Community Music Teaching prepares students for careers as teaching artists, private lesson instructors, after-school and community music enrichment teachers, and related workforce roles in the commercial music sector. Students gain applied training in pedagogy, community engagement, commercial music technology, and entrepreneurship, equipping them with both the musical and professional skills necessary to thrive as independent music educators and arts workers. This certificate is open to students with basic musical proficiency (instrumental, vocal, or composition/production). No audition is required for entry, though some courses may require demonstration of fundamental musicianship skills. Completion of this program supports employment in the following roles: teaching artist, private music instructor, after-school enrichment teacher, and self-enrichment music educator.

Learning Outcome(s):

- Demonstrate effective teaching strategies appropriate for diverse community and studio music settings.
- Apply entrepreneurial skills to design, market, and sustain independent teaching artist work.
- Utilize commercial music tools and technology to support instruction and creative projects.
- Communicate effectively with students, parents, and community partners in educational and professional contexts.
- Integrate inclusive and culturally responsive practices into music instruction.

Requirements

Required Core: **Units:** 11.5

Select one:		3.0
MUS 1	THE BASICS OF MUSIC	3.0
OR		
MUS 10 *	HARMONY I	3.0
Complete:		8.5
MUS 280	INTRODUCTION TO COMMUNITY MUSIC TEACHING	3.0
MUS 281 *	PRIVATE STUDIO PEDAGOGY & BUSINESS PRACTICES	3.0
MUS 282 *	GROUP MUSIC INSTRUCTION METHODS	2.5

Restricted Electives: Select one course (1.5-2 units) **Units:** 1.5-2.0

MUS 54A	BEGINNING PIANO I	2.0

MUS 80	BEGINNING VOICE	1.5
MUS 171	BASIC GUITAR	1.5

Total: 13.0-13.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMMUNITY-BASED CORRECTIONS - Occupational Skills Award

Summary

The Occupational Skills Award (OSA) for Community-Based Corrections is a 12-unit program that will allow students the opportunity to achieve completion of the OSA within one year. It provides students with theory and historical and contemporary aspects of social control and state and federal mandates of early release programs. Students will learn criminogenic risk factors and pro-social assessments and factors related to reducing recidivism rates. Students will be introduced to the Collaborative Court Systems' alternative sentencing programs. Exposure to and evaluation of community-based and residential programs to assist adults, adolescents, and families transitioning back into society will be explored. The OSA can supplement any area of study. Students completing the OSA may find employment in probation, parole, youth facilitates including juvenile counseling settings, juvenile correctional detention centers, the California Youth Authority, half-way houses and more.

Learning Outcome(s):

- Identify criminogenic risk and protective factors that exacerbate or mitigate criminal behaviors.
- Describe theoretical concepts of criminology.
- Identify and differentiate the various collaborative course systems in the U.S.
- Identify the historical aspects of the U.S. Criminal Justice System.

Requirements

Required Core: **Units:** 12.0

Select one		3.0
HS 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
OR		
SOC 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
HS 128	COMMUNITY-BASED CORRECTIONS	3.0
Select one		3.0
HS 37	INTRODUCTION TO CRIMINOLOGY	3.0
OR		
SOC 37	INTRODUCTION TO CRIMINOLOGY	3.0
HS 187	JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION	3.0

Total: 12.0

COMPREHENSIVE MEDICAL ASSISTANT - Certificate of Achievement

Summary

This Career Education (CE) certificate program includes instruction and skills training on competencies for entry-level employment working in the front office or back office as a medical assistant. Students learn and demonstrate essential skills: medical office procedures, appointment scheduling, reception techniques, communication, medical records and electronic health records management, data entry, billing, coding, insurance reimbursement, laboratory procedures (including venipuncture, pharmacology, injections), electrocardiography, spirometry, public relations, and practice-building techniques. An externship in a physician's office combining administrative and clinical experience helps provide the student with the clinical experience necessary to enter the workforce.

All students complete a background check and drug screen three months prior to enrolling in MA 217C and are required to hold Basic Life Support (BLS) CPR certification (AHA approved with AED) and a certificate of medical malpractice, throughout the externship. During the externship students complete 160 hours of non-paid supervised training to demonstrate basic medical front office and clinical back office skills and competencies.

The Comprehensive Medical Assistant program meets the California Certifying Board for Medical Assistants requirements to sit for the California Certified Medical Assistant exam (CCMA) and the American Academy of Professional Coders (AAPC), Certified Professional Coder (CPC) certification exam. Letter grade only. Students may begin the program in the Summer, Fall or Spring and there are no prerequisites to enroll in the program. Material fees are kept to a minimum. Students are required to purchase a stethoscope, sphygmomanometer for the physical examination procedure course, and a uniform is required for the externship. These additional fees are approximately less than $400.00.

Students in the Comprehensive Medical Assistant program may meet the Associate of Science Degree in Health Sciences graduation requirements as outlined in the catalog; students are encouraged to discuss these requirements with their assigned academic counselor.

Learning Outcome(s):

- Describe legal and ethical practices related to medical care.
- Demonstrate clinical patient skills.
- Demonstrate medical office employability skills.
- Demonstrate administrative medical skills.

Requirements

Required Core: **Units:** 33.0

MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0
MA 224A	BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT	3.0
HSC 104	MEDICAL TERMINOLOGY	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
MA 282	FUNDAMENTALS OF MEDICAL PRACTICE CODING	3.0
MA 211B	PHYSICAL-EXAMINATION PROCEDURES	3.0
MA 213B *	MEDICAL ASEPSIS AND SURGICAL PROCEDURES	3.0
MA 212B	MEDICAL OFFICE LABORATORY PROCEDURES	3.0
MA 214B	MEDICATION ADMINISTRATION PROCEDURES	3.0
MA 218B	ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT	3.0
MA 217C *	MEDICAL-ASSISTING CLINICAL EXPERIENCE COMPREHENSIVE	3.0

Restricted Electives: Select one course **Units:** 3.0

MA 230	CERTIFIED PROFESSIONAL CODER(CPC) EXAM PREPARATION	3.0
CIM 112	MICROSOFT OFFICE	3.0

Total: 36.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER GRAPHICS - A.S. Degree

Summary

The Computer Graphics Associate of Science degree is designed to prepare students for entry-level employment in the computer graphics fields. This program relies heavily on a basic understanding of graphic design and/or computer graphics principles as they relate to industry standards. Some of the careers that are found in the computer graphics field are: animation, motion design, graphic design, multimedia design, digital image design, and responsive media design.

Learning Outcome(s):

- Apply fundamental graphic design and production skills
- Select and use appropriate graphic design and production software
- Demonstrate skills typically found in the computer graphics and production field

Requirements

Required Core: **Units:** 23.0

Select one		3.0
GD 20	BEGINNING GRAPHIC DESIGN	3.0
OR		
ART 20	BEGINNING GRAPHIC DESIGN	3.0
GD 44	TYPOGRAPHY	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 150 *	DIGITAL ANIMATION	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
GD 210	MOTION GRAPHICS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER GRAPHICS - Certificate of Achievement

Summary

This Computer Graphics Certificate of Achievement is designed to prepare students for entry-level employment in the computer graphics fields. This program relies heavily on a basic understanding of graphic design and/or computer graphics principles as they relate to industry standards. Some of the careers that are found in the computer graphics field are: animation, motion design, graphic design, multimedia design, digital image design, and responsive media design.

Learning Outcome(s):

- Apply fundamental graphic design and production skills
- Select and use appropriate graphic design and production software
- Demonstrate skills typically found in the computer graphics and production field

Requirements

Required Core: **Units:** 23.0

Select one		3.0

GD 20	BEGINNING GRAPHIC DESIGN	3.0
OR		
ART 20	BEGINNING GRAPHIC DESIGN	3.0
GD 44	TYPOGRAPHY	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 150 *	DIGITAL ANIMATION	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
GD 210	MOTION GRAPHICS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER MAINTENANCE TECHNOLOGY - A.S. Degree

Summary

The Computer Maintenance Technology (CMT) Associate of Science degree program includes study of personal computer hardware, software, repair, maintenance, and troubleshooting to prepare the student for entry-level employment as a computer maintenance technician in companies involved in the manufacture, installation, repair, maintenance, upgrading, or sales of personal computers and computer networks.

Learning Outcome(s):

- Demonstrate proper use of the measures and procedures to protect personal computer hardware against damage due to electrostatic discharge (ESD).
- State and demonstrate software and hardware troubleshooting skills and procedures for personal computers.
- State, compare, and contrast the major features and tools in modern PC operating systems.
- Describe the functions and performance specifications of the major hardware items in a PC.

Requirements

Required Courses: **Units:** 21.0-23.0

Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
Select one		3.0-4.0
CMT 215	ELECTRONICS FOR COMPUTER TECHNOLOGISTS	3.0
OR		
ET 101	SURVEY OF ELECTRONICS	3.0
OR		
ET 133	DC AND AC FUNDAMENTALS	4.0
CMT 220	COMPUTER MAINTENANCE AND REPAIR I	3.0
CMT 225 *	COMPUTER MAINTENANCE AND REPAIR II	3.0
CMT 230 *	APPLIED NETWORK TECHNOLOGY	3.0
CMT 235 *	A+ EXAM PREPARATION FOR COMPUTER SERVICE TECHNICIANS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER MAINTENANCE TECHNOLOGY - Certificate of Achievement

Summary

The Computer Maintenance Technology (CMT) Certificate of Achievement program includes study of personal computer hardware, software, repair, maintenance, and troubleshooting to prepare the student for entry-level employment as a computer maintenance technician in companies involved in the manufacture, installation, repair, maintenance, upgrading, or sales of personal computers and computer networks.

Learning Outcome(s):

- Demonstrate proper use of the measures and procedures to protect personal computer hardware against damage due to electrostatic discharge (ESD).
- State and demonstrate software and hardware troubleshooting skills and procedures for personal computers.
- State, compare, and contrast the major features and tools in modern PC operating systems.
- Describe the functions and performance specifications of the major hardware items in a PC.

Requirements

Required Core: **Units:** 21.0-23.0

Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
Select one		3.0-4.0
CMT 215	ELECTRONICS FOR COMPUTER TECHNOLOGISTS	3.0
OR		
ET 101	SURVEY OF ELECTRONICS	3.0
OR		
ET 133	DC AND AC FUNDAMENTALS	4.0
CMT 220	COMPUTER MAINTENANCE AND REPAIR I	3.0
CMT 225 *	COMPUTER MAINTENANCE AND REPAIR II	3.0
CMT 230 *	APPLIED NETWORK TECHNOLOGY	3.0
CMT 235 *	A+ EXAM PREPARATION FOR COMPUTER SERVICE TECHNICIANS	3.0

Total: 21.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER SCIENCE - A.S. Degree

Summary

The curriculum in the Computer Science Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering a major in computer science, earning the associate degree would demonstrate achievement and may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Apply critical thinking skills in the analysis of a variety of programming problems.
- Create a correctly functioning program from a previously designed solution to a given Programming problem.
- Complete a programming project with multiple programs, working individually and as part of a group.

Requirements

Required Core: **Units:** 31.0

CS 1A	INTRODUCTION TO COMPUTER SCIENCE I	3.5
CS 1B *	INTRODUCTION TO COMPUTER SCIENCE II	3.5
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
CS 1C *	INTRODUCTION TO COMPUTER SCIENCE III	3.5
MATH C2220 *	Calculus II: Early Transcendentals	5.0
CS 3A *	COMPUTER ORGANIZATION AND MACHINE LANGUAGE	3.5
CS 1D *	DATA STRUCTURES	3.5
CS 3B *	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3.5

Restricted Electives: Select one course **Units:** 3.5-4.0

CS 4A *	INTRODUCTION TO JAVA FOR COMPUTER SCIENCE	3.5
CS 4B *	ADVANCED TOPICS IN JAVA FOR COMPUTER SCIENCE	3.5
ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0

Associate of Science Degree

Completion of all courses listed above and a minimum of 60 units including the general education requirements with an overall GPA of 2.0 qualifies the student for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 34.5-35.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTER SCIENCE - AS-T Degree

Summary

The Associate in Science in Computer Science for Transfer Degree is designed for students who are developing computer programming skills in preparation for professional careers and/or transfer to a four-year college or university. Courses are intended to meet the needs of students at various levels of competence, from the novice to the expert. The department acquaints students with the presently available methods of computer science that are useful in solving problems of science, industry, and government; prepares students for the additional formal education and self-education required in this ever-developing field; and fosters students' abilities to solve computer science problems. Students who complete this degree receive priority admission to the CSU system, though admission to a specific campus or major is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Apply critical thinking skills in the analysis of a variety of programming problems.
- Create a correctly functioning program from a previously designed solution to a given programming problem.
- Complete a programming project with multiple programs, working individually and as part of a group.

Requirements

Required Core: **Units:** 36.0

CS 1A	INTRODUCTION TO COMPUTER SCIENCE I	3.5
CS 1D *	DATA STRUCTURES	3.5
CS 3A *	COMPUTER ORGANIZATION AND MACHINE LANGUAGE	3.5
CS 3B *	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3.5
Select either:		3.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
Select either:		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Complete		10.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
PHYS 4A *	GENERAL PHYSICS	5.0
Select either:		4.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
OR		
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0

Total: 36.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTERIZED ACCOUNTING SPECIALIST - A.S. Degree

Summary

The Computerized Accounting Specialist Associate of Science degree provides students who plan to enter the accounting field with knowledge of accounting principles and practices to record transactions for various types of businesses using a double-entry accounting system, as well as the latest commercial software, and the ability to analyze financial statements. This program prepares students for employment in entry-level accounting positions such as Accounts Payable Clerk, Accounts Receivable Clerk, General Ledger Clerk, or Bookkeeper.

Learning Outcome(s):

- Prepare a set of basic financial statements.
- Calculate and analyze common ratios and numerical relationships that are produced through the accounting cycle.
- Demonstrate proficiency in processing the accounting cycle for a business using popular accounting software.
- Demonstrate proficiency in communicating financial information in the subject area.
- Present an oral presentation in the designated subject area.

Requirements

Required Core: **Units:** 21.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
ACCT 216 *	INDIVIDUAL INCOME TAX	4.0
ACCT 221 *	ACCOUNTING INFORMATION SYSTEMS	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
ACCT 209 *	ACCOUNTING APPLICATIONS: QUICKBOOKS	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
ACCT 180WE *	ACCOUNTING WORK EXPERIENCE	2.0
ACCT 202A *	INTERMEDIATE ACCOUNTING I	3.0
ACCT 217 *	PARTNERSHIP AND CORPORATE TAXATION	3.0
ACCT 261 *	FINANCIAL STATEMENT ANALYSIS	3.0
ACCT 275 *	AUDITING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPUTERIZED ACCOUNTING SPECIALIST - Certificate of Achievement

Summary

The Computerized Accounting Specialist Certificate of Achievement provides students who plan to enter the accounting field with knowledge of accounting principles and practices to record transactions for various types of businesses using a double-entry accounting system, as well as the latest commercial software, and the ability to analyze financial statements. This program prepares students for employment in entry-level accounting positions such as Accounts Payable Clerk, Accounts Receivable Clerk, General Ledger Clerk, or Bookkeeper.

Learning Outcome(s):

- Prepare a set of basic financial statements.
- Calculate and analyze common ratios and numerical relationships that are produced through the accounting cycle.
- Demonstrate proficiency in processing the accounting cycle for a business using popular accounting software.
- Demonstrate proficiency in communicating financial information in the subject area.
- Present an oral presentation in the designated subject area.

Requirements

Required Core: **Units:** 21.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
ACCT 216 *	INDIVIDUAL INCOME TAX	4.0
ACCT 221 *	ACCOUNTING INFORMATION SYSTEMS	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
ACCT 209 *	ACCOUNTING APPLICATIONS: QUICKBOOKS	3.0

Restricted Electives: Select one course (2-3 units) **Units:** 2.0-3.0

ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
ACCT 180WE *	ACCOUNTING WORK EXPERIENCE	2.0
ACCT 202A *	INTERMEDIATE ACCOUNTING I	3.0
ACCT 217 *	PARTNERSHIP AND CORPORATE TAXATION	3.0
ACCT 261 *	FINANCIAL STATEMENT ANALYSIS	3.0
ACCT 275 *	AUDITING	3.0

Total: 23.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CONSTRUCTION INSPECTION - A.S. Degree

Summary

The Construction Inspection Associate of Science Program is designed to provide both the technical and the theoretical knowledge of construction. This includes understanding of the International Building Code (IBC) and the Residential Building Code (RBC), as well as inspection of concrete, plumbing systems, electrical systems, mechanical systems, and ability to read blueprints. Students will have knowledge of applicable building codes and be prepared to take professional certification exams in the IBC and RBC. These skills are required to secure employment as a corporate in-house inspector, or an agency, city, county or state building and safety inspector.

Learning Outcome(s):

- Demonstrate working knowledge of the locally adopted International Building Code and/or the Residential Building Code.
- Apply inspection techniques required in the following areas: concrete inspection, plumbing inspection, mechanical inspection, electrical inspection, general building code inspection.
- Demonstrate knowledge of current construction materials and techniques for residential and commercial construction.

Requirements

Required Core: **Units:** 23.0

ARCH 161	BLUEPRINT PLANS AND SPECIFICATION READING	4.0
ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 164 *	COMBINATION RESIDENTIAL DWELLING INSPECTION	3.0
ARCH 165	ELECTRICAL CODE INSPECTION	3.0
ARCH 211	CONCRETE INSPECTION	3.0
ARCH 212	PLUMBING CODES - DRAINS, WASTE, VENTS, WATER, AND GAS	3.0
ARCH 213	MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CONSTRUCTION INSPECTION - Certificate of Achievement

Summary

The Construction Inspection Certificate of Achievement program is designed to provide both the technical and the theoretical knowledge of construction. This includes understanding of the International Building Code (IBC) and the Residential Building Code (RBC), as well as inspection of concrete, plumbing systems, electrical systems, mechanical systems, and ability to read blueprints. Students will have knowledge of applicable building codes and be prepared to take professional certification exams in the IBC and RBC. These skills are required to secure employment as a corporate in-house inspector, or an agency, city, county or state building and safety inspector.

Learning Outcome(s):

- Demonstrate working knowledge of the locally adopted International Building Code and/or the Residential Building Code.
- Apply inspection techniques required in the following areas: concrete inspection, plumbing inspection, mechanical inspection, electrical inspection, general building code inspection.
- Demonstrate knowledge of current construction materials and techniques for residential and commercial construction.

Requirements

Required Core: **Units:** 23.0

ARCH 161	BLUEPRINT PLANS AND SPECIFICATION READING	4.0
ARCH 163	INTERNATIONAL BUILDING CODE INSPECTION	4.0
ARCH 164 *	COMBINATION RESIDENTIAL DWELLING INSPECTION	3.0
ARCH 165	ELECTRICAL CODE INSPECTION	3.0
ARCH 211	CONCRETE INSPECTION	3.0

ARCH 212	PLUMBING CODES - DRAINS, WASTE, VENTS, WATER, AND GAS	3.0
ARCH 213	MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK	3.0

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COSTUMING - Certificate of Achievement

Summary

The Costuming Certificate of Achievement prepares students with the skills required to become a professional Costume Attendant or Assistant Costume Designer. Students will learn to source and construct costumes and accessories in the areas of: theater, film, television, dance, theme parks, special events, cultural and ethnic events, costume shops, e-commerce, uniform/sports, advertising, Cosplay, Anime and pop culture conventions, and period reenactment. Coursework covers character analysis and costume development, period and fantasy costumes, specialty construction techniques, material sourcing, underpinning construction, embellishment, millinery, and footwear design and construction. Costume history, textiles and dyeing, draping, pattern making, drafting, illustration, alteration, and accessory design and construction skills will be developed. Students will focus on developing a professional portfolio and complete an internship in costuming focusing in the area of their choice.

After completion of the certificate, students will be eligible for a position in the following areas: Costume Attendant, assistant costume designer, costume stitcher, costume shop assistant, costume sourcing specialist, costume dresser, costume alterationist, costume pattern maker, costume accessory designer, Corsetier, costume underpinnings and corsetry construction, costume dyeing and distressing, and millinery and shoe construction for contemporary and historical costumes.

Learning Outcome(s):

- Demonstrate the process of script and character analysis and the development of character costume.
- Demonstrate knowledge of costume history and period silhouettes from ancient times to the present day and design and construct period and fantasy costumes from this knowledge.
- Create and develop a professional portfolio and complete an internship in costuming.

Requirements

Required Core: **Units:** 27.0-28.0

FASH 31	TEXTILES	3.0
Select one		3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
OR		
ETT 42	COSTUME DESIGN	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 154	FASHION ILLUSTRATION	3.0
FASH 240	DYE PROCESSES ON FABRICS	3.0
Select one		3.0-4.0
FASH 130 *	FLAT PATTERN DESIGN	4.0
OR		
FASH 132 *	DRAPING FASHION DESIGNS	3.0
FASH 223	MILLINERY DESIGN	3.0
FASH 180WE *	FASHION WORK EXPERIENCE	2.0
FASH 145 *	INTERNSHIP	1.0
Select one of the following 3.0 unit options		3.0

Option 1		
FASH 217	FOOTWEAR DESIGN AND CONSTRUCTION	2.0
AND		
FASH 216	COSTUMER'S LAB	1.0
OR		
Option 2		
FASH 217	FOOTWEAR DESIGN AND CONSTRUCTION	2.0
AND		
FASH 220 *	TAILOR'S LAB	1.0

Restricted Electives: Select three courses **Units:** 9.0

FASH 100	SEWING FOR FASHION DESIGN I	3.0
FASH 110 *	CONTEMPORARY CLOTHING CONSTRUCTION	3.0
FASH 120 *	TAILORING	3.0
FASH 205 *	CORSET CONSTRUCTION	3.0
FASH 206 *	DESIGNING & CONSTRUCTING KNITWEAR, ACTIVEWEAR, SWIMWEAR	3.0
FASH 208 *	PERIOD AND VINTAGE SEWING	3.0
FASH 230 *	ALTERATIONS AND FITTING	3.0

Total: 36.0-37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CREATIVE WRITING - A.A. Degree

Summary

The Creative Writing Associate of Arts degree is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree can be attained in majors related to this field, earning the Associate degree would enable students to develop skill and creativity along with critical judgment of literary forms as they compose their own nonfiction, short stories, novels, poems, and plays in Saddleback's creative writing courses. Students earning the Creative Writing Associate of Arts degree may transfer into degree programs such as: Creative Writing, English, English Literature, and English Education.

Learning Outcome(s):

- Demonstrate the professional habits of creative writers: revision, workshopping, and submission for publication
- Use techniques from more than one genre in order to craft a variety of creative writing pieces
- Consider the role that current and historical context plays in the creation and interpretation of literary works
- Read, analyze, interpret, and produce texts in a variety of genres

Requirements

Required Core: **Units:** 13.0

Select one		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
ENGL C1002 *	Introduction to Literature	3.0
OR		

ENGL C1002H *	Introduction to Literature - Honors	3.0
Complete		3.0
ENG 3	INTRODUCTION TO CREATIVE WRITING	3.0
Select one		3.0
ENG 17A	SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT	3.0
OR		
ENG 17B	SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT	3.0

Restricted Electives: **Units:** 12.0

Area 1: Select two courses		6.0
ENG 4	FICTION FUNDAMENTALS	3.0
ENG 6 *	INTRODUCTION TO CREATIVE NONFICTION	3.0
ENG 9 *	INTRODUCTION TO WRITING POETRY	3.0
Area 2: Select two courses		6.0
ENG 15A	SURVEY OF AMERICAN LITERATURE - 1620-1860	3.0
ENG 15B	SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY	3.0
ENG 18	SHAKESPEARE - THE TRAGEDIES	3.0
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0
ENG 22	INTRODUCTION TO SHAKESPEARE	3.0
OR		
ENG 22H	HONORS INTRODUCTION TO SHAKESPEARE	3.0
ENG 24	ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US	3.0
ENG 27A	INTRODUCTION TO THE NOVEL	3.0
OR		
ENG 27AH	HONORS INTRODUCTION TO THE NOVEL	3.0
ENG 42	CHILDREN'S LITERATURE	3.0
ENG 44	CLASSICAL MYTHOLOGY	3.0
ENG 52	THE FILM AS LITERATURE	3.0
ENG 55	SCIENCE FICTION AND SOCIETY	3.0
ENG 107 *	WRITING THE FICTION AND/OR NONFICTION BOOK	3.0
ENG 160 *	LITERARY MAGAZINE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CYBER DEFENSE - A.S. Degree

Summary

The Saddleback Cyber Defense program starts students on a pathway to becoming a United States Department of Defense (DoD) Cyber Security Service Provider (CSSP) in the form of a Computer Science Associate of Science degree that is built for transfer along with the preparation needed to take the Certified Ethical Hacker exam which meets the minimum certificate requirements for the CSSP Analyst, Infrastructure Support, Incident Responder, and Auditor levels.

The United States Department of Defense (DoD) Cyber Security Service Provider (CSSP) workforce consist of 5 different levels of employment (e.g. Analyst, Infrastructure Support, Incident Responder, Auditor, and Manager), with each requiring one or more industry certificates along with a 4-year degree. The CSSP is a highly sought-after certification issued by the United States Department of Defense (DoD) that indicates a candidate's fitness for the DoD CSSP workforce.

Learning Outcome(s):

- Core Computer Science skillsets needed to develop algorithmic solutions to non-trivial problems:
- Systems Thinking: Analyze, design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- Problem Solving: Identify problems and formulate solutions for systems and organizations while reconciling conflicting objectives and finding compromises.
- Pragmatic Approach: Apply computing theory and programming principles to practical software design and development.
- Core Mathematic skillsets needed to see mathematical structures in the objects you work with and understand their properties. This ability is important for software engineers, data scientists, security and financial analysts:
- Apply basic algorithmic techniques such as greedy algorithms, binary search, sorting and dynamic programming to solve programming challenges.
- Apply various data structures such as stack, queue, hash table, priority queue, binary search tree, graph and string to solve programming challenges.
- Apply graph and string algorithms to solve real-world challenges: finding shortest paths on huge maps and assembling genomes from millions of pieces.
- Solve complex programming challenges using advanced techniques: maximum flow, linear programming, approximate algorithms, SAT-solvers, streaming
- The following SLO is aligned with the NSA/DoD Knowledge Units (KU). Cybersecurity Foundations (CSF) – The intent of the Cybersecurity Foundations Knowledge Unit is to provide students with a basic understanding of the fundamental concepts behind cybersecurity. To complete this KU, students should be able to:
- Describe the fundamental concepts of the cybersecurity discipline and use to provide system security.
- Describe potential system attacks and the actors that might perform them.
- Describe cyber defense tools, methods and components and apply cyber defense methods to prepare a system to repel attacks.
- Describe appropriate measures to be taken should a system compromise occur.
- Properly use the vocabulary associated with cybersecurity.

Requirements

Required Core: **Units:** 28.0

CS 1A	INTRODUCTION TO COMPUTER SCIENCE I	3.5
CS 1B *	INTRODUCTION TO COMPUTER SCIENCE II	3.5
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
Select one		3.0
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		

MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
Select one		3.0
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
CS 3A *	COMPUTER ORGANIZATION AND MACHINE LANGUAGE	3.5
CS 3B *	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3.5
CIMS 150 *	INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CYBER OPERATIONS - Certificate of Achievement

Summary

The Saddleback Cyber Operations certificate is designed to provide hands-on learning and experience to develop tomorrow's cyber defenders. Students will learn how to protect networks and data through intelligence gathering, threat detection, incident response, digital forensics, and security monitoring. Students need to have completed the Saddleback College's Cyber Defense A.S. degree or equivalent course work prior to enrolling in order to meet the prerequisite Computer Science – Cyber Defense requirements. This certificate augments the CS Cyber Defense A.S. degree by providing students with hands-on learning and experience in a Cyber Defense Operations Center (CDOC) and preparation for three (3) additional DoD Approved 8570 Baseline Certifications (CCNA Cyber Ops, CompTIA CySA+, and CompTIASec+) which exceeds the minimum certificate requirements for the CSSP Analyst, Infrastructure Support, Incident Responder, and Auditor levels.

The United States Department of Defense (DoD) Cyber Security Service Provider (CSSP) workforce consist of 5 different levels of employment (e.g. Analyst, Infrastructure Support, Incident Responder, Auditor, and Manager), with each requiring one or more industry certificates along with a 4-year degree. The CSSP is a highly sought-after certification issued by the United States Department of Defense (DoD) that indicates a candidate's fitness for the DoD CSSP workforce.

Learning Outcome(s):

- Demonstrate an understanding of the latest trends and techniques in risk management, risk mitigation, threat management and intrusion detection.
- Demonstrate the principles and concepts of Security Operations and core Cyber Operations skills needed to begin working in a Cyber Security Operations Center (CSOC).
- Perform data analysis and interpret the results to identify vulnerabilities, threats and risks to an organization.
- Configure and use threat-detection tools.
- Secure and protect applications and systems within an organization.
- Apply the fundamentals of Crytography, Crytoanalysis, and Cryptology in a Cyber Operations environment.

Requirements

Prerequisite 7 units or CS Cyber Defense A.S. Degree **Units:** 7.0

CS 1A	INTRODUCTION TO COMPUTER SCIENCE I	3.5
CS 1B *	INTRODUCTION TO COMPUTER SCIENCE II	3.5

Required Core: **Units:** 16.0

CS 1D *	DATA STRUCTURES	3.5
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMS 165 *	CYBERSECURITY OPERATIONS- CISCO CCNA CYBER OPS	3.0
CIMS 155 *	CYBERSECURITY ANALYSIS – COMPTIA CYSA+	3.0
CS 260 *	CRYPTOGRAPHY IN CYBER OPERATIONS	3.5

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CYBERSECURITY/INFORMATION SECURITY ANALYST - Certificate of Achievement

Summary

The Cybersecurity/Information Security Analyst certificate of achievement provides students the opportunity to master the necessary computer information security concepts to implement safe, secure, digital systems and also the ability to detect and repair various cyber-attacks. The certificate is designed to prepare students for entry-level professions in the fast-growing field of computer security as cybersecurity analysts, information security analysts, and general entry-level Information Technology (IT) professionals. The core requirements include preparation for four DOD and industrial coveted CompTIA IT security certificates: A+, Network+, Security+ and CySA+. This certificate includes elective courses in perfecting skills in operating system command line skills, Cloud, HTML/JavaScript reading proficiency, and Python, the language of choice for cybersecurity scripting.

Learning Outcome(s):

- Describe and outline the hardware and software components of a secure digital network.
- Identify various types of network and information attacks.
- Evaluate the computer network and information security needs of an organization.

Requirements

Required Core: **Units:** 12.0

CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMS 155 *	CYBERSECURITY ANALYSIS – COMPTIA CYSA+	3.0

Restricted Electives: (9-10 units) **Units:** 9.0-10.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0
CIMN 140 *	FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION	3.0
CIMN 160	CISCO CCNA: ROUTING AND SWITCHING ESSENTIALS	3.0

CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMS 140	INTRODUCTION TO COMPUTER FORENSICS	3.0
CIMS 150	INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING	3.0
CIMS 153	COMPTIA PENTEST+	3.0
CIMS 165 *	CYBERSECURITY OPERATIONS- CISCO CCNA CYBER OPS	3.0
CIMS 271 *	CLOUD SECURITY FUNDAMENTALS	3.0
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

DANCE - A.A. Degree

Summary

The curriculum in the Dance degree is presented in an active learning environment where students are trained in both dance technique and theory classes to prepare them for future careers in the performing arts and related fields. Courses cover major dance technique forms, choreography, dance production, dance history and somatic practices. Upon completion of the Dance A.A. degree, students will be prepared to transfer to a four-year institution to pursue a baccalaureate or higher degree in dance or a related field; colleges to which they might considering transferring include CSU Dominguez Hills, CSU Los Angeles, SFSU, CSU Sonoma, UC Berkeley, UC Davis, UC Riverside and UC San Diego. Some B.A./B.F.A in Dance programs require an audition; students should check the transfer requirements for individual schools. While a baccalaureate degree is recommended, students completing their Dance A.A. will also be eligible to audition and apply for opportunities in the dance field, including as a performer with professional companies or touring productions, a teacher at a dance studio, or a choreographer.

Learning Outcome(s):

- Demonstrate fundamental positions and qualities with body awareness and alignment in rehearsal and/or performance specific to the technique given in class.
- Perform movement combinations with performance quality, strength, rhythm, balance and flexibility specific to the technique assigned.
- Accurately apply dance terminology, vocabulary, and concepts through writing, performance and/or various forms of expression.
- Identify technical support through the staging of choreographic works in a dance performance.
- Create dances using phrasing, variations, abstraction and other elements of design for a theatrical or informal performance.
- Describe particular dance forms.
- Make connections between dance and the arts and humanities to demonstrate knowledge and an appreciation of factors that influenced and helped to mold various dance forms.

Requirements

Required Core: **Units:** 19.0-21.0

DANC 9	CHOREOGRAPHY	3.0
Select one		1.0-2.0
DANC 10	DANCE PRODUCTION	1.0-2.0
OR		
DANC 11	DANCE REHEARSAL AND PERFORMANCE	1.0-2.0
Select one		1.0
DANC 12 *	INTERMEDIATE DANCE PRODUCTION	1.0

OR		
DANC 14 *	INTERMEDIATE DANCE REHEARSAL AND PERFORMANCE	1.0

DANC 52	BALLET DANCING LEVEL I	1.0-1.5
DANC 53 *	INTERMEDIATE BALLET	1.0-1.5
DANC 54	INTRODUCTION TO MODERN DANCE	1.5
DANC 55 *	MODERN DANCE LEVEL I	1.5
DANC 57	INTRODUCTION TO JAZZ DANCING	1.5
DANC 58	JAZZ DANCING LEVEL I	1.5
DANC 64	HISTORY OF DANCE	3.0
DANC 78	HIP HOP	1.0
DANC 79 *	HIP HOP LEVEL I	1.0
DANC 80 *	INTERMEDIATE HIP HOP	1.0

Restricted Electives (5-6 units): **Units:** 5.0-6.0

DANC 8	DANCE PEDAGOGY	3.0
DANC 15 *	REPERTORY I	1.0-2.0
DANC 16 *	REPERTORY II	1.0
DANC 17	SITE SPECIFIC PERFORMANCE	1.0
DANC 18 *	DANCE ENSEMBLE PERFORMANCE	2.0
DANC 19 *	CHOREOGRAPHY II	3.0
DANC 28	YOGA FOR DANCERS	1.5
DANC 51	INTRODUCTION TO BALLET	1.0-1.5
DANC 56 *	INTERMEDIATE MODERN DANCE	1.0-1.5
DANC 59 *	INTERMEDIATE JAZZ DANCING	1.0-1.5
DANC 60	INTRODUCTION TO TAP DANCING	1.0
DANC 61	TAP DANCING LEVEL I	1.0
DANC 62 *	INTERMEDIATE TAP DANCING	1.0
DANC 63	EXERCISE FOR DANCERS	1.0
KNES 65	INTRODUCTION TO MAT PILATES	1.0-1.5
DANC 66	INTRODUCTION TO LATIN DANCE	1.0
DANC 67 *	POINTE BALLET	1.0-1.5
DANC 68	INTRODUCTION TO SOCIAL DANCE	1.0
DANC 69 *	INTERMEDIATE SOCIAL DANCE	1.0
DANC 70 *	INTERMEDIATE LATIN DANCE	1.0
DANC 71 *	ADVANCED BALLET	1.0-1.5
DANC 72 *	ADVANCED MODERN DANCE	1.0-1.5
DANC 73 *	ADVANCED JAZZ DANCE	1.0-1.5
DANC 74	MULTICULTURAL DANCE HISTORY IN THE UNITED STATES	3.0
DANC 75 *	ADVANCED TAP DANCE	1.0
DANC 81 *	ADVANCED HIP HOP	1.0
DANC 82	AFRICAN DANCE I	1.0
DANC 83	AFRICAN DANCE II	1.0
DANC 84	MIDDLE EASTERN DANCE	1.0
DANC 85	INTRODUCTION TO WORLD DANCE AND CULTURES	1.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 24.0-27.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

DATA ANALYTICS - Certificate of Achievement

Summary

The Data Analytics Certificate of Achievement enables full-time students and existing working professionals the ability to enhance their skills with state of the art training in the rapidly evolving information technology areas of data analytics (the analysis and presentation of data) and database (collection organization of data). The certificate core requirements introduce students to the critical evolving data technologies, including relational databases, SQL (universal standard language for communicating to relational databases), data visualization, data modeling, data warehousing, database reporting using Tableau, big data, NoSQL, cloud, and business intelligence using Microsoft Power BI and Excel.

Learning Outcome(s):

- Identify basics of data management and manipulation, including SQL, Cloud Storage Services, Relational Database Vendors, and Relational Database Interfaces.
- Perform various Data Analytics skills of analyzing, manipulating, and reporting data.
- Develop data visualizations for business decision-making using applications like Tableau and Power BI.

Requirements

Required Core: **Units:** 12.5

CIMA 105 *	MICROSOFT EXCEL FOR DATA ANALYTICS	3.0
CIMA 288	DATABASE REPORTING	3.5
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
Select one		3.0
CIMP 7A £	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
OR		
CIMP 8A £	PROGRAMMING WITH PYTHON	3.0

Restricted Electives: Select two courses **Units:** 5.0-7.5

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIM 8 *	INTRODUCTION TO DATA SCIENCE	3.0
CIM 180WE	COMPUTER INFORMATION MANAGEMENT WORK EXPERIENCE	2.0

CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 204 *	ADVANCED SPREADSHEETS - EXCEL	3.0
CIMA 106	DATABASE - ACCESS	3.0
CIMA 136	INTRODUCTION TO MACHINE LEARNING	3.0
CIMA 233	BUSINESS APPLICATIONS WITH ARTIFICIAL INTELLIGENCE	3.0
CIMP 7A £	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
OR		
CIMP 8A £	PROGRAMMING WITH PYTHON	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
OR		
CIMP 8B *	ADVANCED PYTHON PROGRAMMING	3.0
CIMP 241	CLOUD COMPUTING FOR DEVELOPERS	3.5

Total: 17.5-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ Course can be taken as either a core requirement or restricted elective; it may not be counted as both.

DIGITAL ELECTRONIC TECHNOLOGY - A.S. Degree

Summary

This Digital Electronic Technology Associate of Science program primarily prepares students for entry-level employment as electronic technicians in companies involved in the manufacture, testing, installation, and repair of digital computers and related equipment. The program also provides skill updating and upgrading for persons already employed in the electronics industry or related fields. Courses cover a variety of discrete and integrated circuits, with emphasis on digital electronics, plus hardware and software for personal computers. Possible careers for electronic technicians with this degree include field service technician, medical equipment technician, computer test technician, and digital electronics and equipment sales.

Learning Outcome(s):

- Demonstrate knowledge of common electronic components: identify, describe, and determine the performance of common analog and digital electronic components.
- Demonstrate knowledge of common electronic circuits: identify, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of electronics test equipment: show proper use of and connection to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- Demonstrate electronics troubleshooting skills: state and show troubleshooting skills and procedures for analog and digital electronics.
- Describe the main hardware and software components of a modern Windows based personal computer system.

Requirements

Required Core: **Units:** 22.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0
CMT 220	COMPUTER MAINTENANCE AND REPAIR I	3.0
CMT 225 *	COMPUTER MAINTENANCE AND REPAIR II	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

DIGITAL ELECTRONIC TECHNOLOGY - Certificate of Achievement

Summary

This Digital Electronic Technology certificate program primarily prepares students for entry-level employment as electronic technicians in companies involved in the manufacture, testing, installation, and repair of digital computers and related equipment. The certificate also provides skill updating and upgrading for persons already employed in the electronics industry or related fields. Courses cover a variety of discrete and integrated circuits, with emphasis on digital electronics, plus hardware and software for personal computers. Possible careers for electronic technicians with this certificate include field service technician, medical equipment technician, computer test technician, and digital electronics and equipment sales.

Learning Outcome(s):

- Demonstrate knowledge of common electronic components: identify, describe, and determine the performance of common analog and digital electronic components.
- Demonstrate knowledge of common electronic circuits: identify, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of electronics test equipment: show proper use of and connection to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- Demonstrate electronics troubleshooting skills: state and show troubleshooting skills and procedures for analog and digital electronics.
- Describe the main hardware and software components of a modern Windows based personal computer system.

Requirements

Required Core: **Units:** 22.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0
CMT 220	COMPUTER MAINTENANCE AND REPAIR I	3.0
CMT 225 *	COMPUTER MAINTENANCE AND REPAIR II	3.0

Total: 22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

DIGITAL MEDIA - Certificate of Achievement

Summary

The curriculum in the Digital Media Certificate of Achievement program provides the range of skills necessary for work in editorial departments of news organizations, magazines, industrial in-house publications, public relations, and emerging businesses in media and related industries. This program provides background and experience needed by persons who may be employed as photographers, video journalists, designers, and others.

The program at Saddleback College seeks to give students an understanding of the media industry and the First Amendment. Students develop their reporting and editing skills for a variety of media platforms, public relations, and new and emerging businesses in media and related industries.

In production courses, students receive hands-on training producing multi-dimensional content for student media publications on a variety of platforms. In skills classes, students learn the fundamentals of producing media content, interviewing, reporting, writing stories, news judgment, visual journalism, and social media and are introduced to media law, ethics, and professional standards. An emphasis is placed on emerging technology.

Learning Outcome(s):

- Demonstrate a range of skills necessary for work in editorial departments of news organizations, magazines, and industrial in-house publications.
- Demonstrate a range of skills necessary for work in public relations, media and communications organizations, and startups.
- Successfully complete practical experiences needed by persons who may be employed as journalists, editors, photographers, video journalists, designers, and media professionals and related occupations.

Requirements

Required Core: **Units:** 13.0

Select one		3.0
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
Complete		3.0
JRN 2 *	NEWS WRITING	3.0
Select one		3.0
JRN 106 *	NEWS AND FEATURE VIDEO PRODUCTION	3.0
OR		
CTVR 106 *	NEWS AND FEATURE VIDEO PRODUCTION	3.0
Select one		4.0
JRN 111 * £	NEWS MEDIA PRODUCTION	4.0
OR		
JRN 112 * £	DIGITAL REPORTING	4.0

Restricted Electives: Select 2-3 courses (6-8 units) **Units:** 6.0-8.0

JRN 111 * £	NEWS MEDIA PRODUCTION	4.0
JRN 112 * £	DIGITAL REPORTING	4.0
JRN 125 *	MAGAZINE PRODUCTION	4.0
JRN 180WE	JOURNALISM WORK EXPERIENCE	2.0
GD 44	TYPOGRAPHY	3.0

GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
CTVR 101	VIDEO PRODUCTION BASICS	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
PHOT 51 *	INTRODUCTION TO PHOTOSHOP AND DIGITAL IMAGING	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0

Total: 19.0-21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ Course can be taken as either a core requirement or restricted elective; it may not be counted as both.

DRAFTING TECHNOLOGY - A.S. Degree

Summary

The Drafting Technology Associate of Science degree program includes courses designed to provide a general background and specialized skills to help the student find entry-level employment in government and private enterprise, especially where drafting skills are required. Main competencies include understanding CAD, Solidworks, and similar software programs, ability to draft and annotate drawings in 2D and 3D views, and ability to interpret and work from mechanical drawings. Students will be prepared to work as mechanical drafters, industrial design drafters, and manufacturing drafters.

Learning Outcome(s):

- Communicate designs in 2 languages of mechanical drafting: AutoCAD and Solidworks.
- Demonstrate proficient drafting skills in 2 dimensional and 3 dimensional drawings.
- Demonstrate knowledge of annotation and dimensioning techniques used in producing drawings in the engineering and manufacturing fields.
- Discuss drafting techniques, drafting software languages, and digital visualization.

Requirements

Required Core: **Units:** 30.0-33.0

Select one		0.0-3.0
DR 23	ENGINEERING GRAPHICS	3.0
OR		
DR 100 <	FUNDAMENTALS OF INDUSTRIAL AND MECHANICAL DESIGN	3.0
Select one		3.0
DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
DR 101 *	MECHANICAL DESIGN	3.0

DR 102	MECH DESIGN AND MARKETING PORTFOLIO	3.0
DR 120	ENGINEERING TECHNOLOGY	3.0
Select one		3.0
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
DR 200 *	3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 201 *	ADVANCED 3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 202 *	GEOMETRIC DIMENSIONING AND TOLERANCING	3.0
DR 203	GREEN & SUSTAINABLE MANUFACTURING DESIGN	3.0

Restricted Electives: Select one course **Units:** 3.0

ET 101	SURVEY OF ELECTRONICS	3.0
MFG 200 *	INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 33.0-36.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
< Students who have completed one year of high school mechanical drafting, or equivalent, are exempt from taking DR 100.

DRAFTING TECHNOLOGY - Certificate of Achievement

Summary

The Drafting Technology Certificate of Achievement program includes courses designed to provide a general background and specialized skills to help the student find entry-level employment in government and private enterprise, especially where drafting skills are required. Main competencies include understanding CAD, Solidworks, and similar software programs, ability to draft and annotate drawings in 2D and 3D views, and ability to interpret and work from mechanical drawings. Students will be prepared to work as mechanical drafters, industrial design drafters, and manufacturing drafters.

Learning Outcome(s):

- Communicate designs in 2 languages of mechanical drafting: AutoCAD and Solidworks.
- Demonstrate proficient drafting skills in 2 dimensional and 3 dimensional drawings.
- Demonstrate knowledge of annotation and dimensioning techniques used in producing drawings in the engineering and manufacturing fields.
- Discuss drafting techniques, drafting software languages, and digital visualization

Requirements

Required Core: **Units:** 30.0-33.0

Select one		0.0-3.0
DR 23	ENGINEERING GRAPHICS	3.0
OR		
DR 100 <	FUNDAMENTALS OF INDUSTRIAL AND MECHANICAL DESIGN	3.0
Select one		3.0
DR 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 50 *	INTRODUCTION TO COMPUTER-AIDED DRAFTING	3.0
Select one		3.0
DR 51 *	COMPUTER-AIDED DRAFTING	3.0
OR		
ARCH 51 *	COMPUTER-AIDED DRAFTING	3.0
DR 101 *	MECHANICAL DESIGN	3.0
DR 102	MECH DESIGN AND MARKETING PORTFOLIO	3.0
DR 120	ENGINEERING TECHNOLOGY	3.0
Select one		3.0
DR 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
OR		
ARCH 152 *	ADVANCED COMPUTER-AIDED DESIGN	3.0
DR 200 *	3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 201 *	ADVANCED 3D PARAMETRIC MODELING - SOLIDWORKS	3.0
DR 202 *	GEOMETRIC DIMENSIONING AND TOLERANCING	3.0
DR 203	GREEN & SUSTAINABLE MANUFACTURING DESIGN	3.0

Restricted Electives: Select one course **Units:** 3.0

ET 101	SURVEY OF ELECTRONICS	3.0
MFG 200 *	INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY	3.0

Total: 33.0-36.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
< Students who have completed one year of high school mechanical drafting, or equivalent, are exempt from taking DR 100.

E-COMMERCE SPECIALIST - A.S. Degree

Summary

This program provides the skills for conducting business on the web, preparing an electronic approach, and managing an e-commerce web presence.

Learning Outcome(s):

- Demonstrate key e-commerce employment skills.
- Create basic websites and interface to databases.
- Demonstrate comprehensive terminology and industrial standards governing web e-commerce.

Requirements

Required Core: **Units:** 13.5

CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMW 115	INTRO CREATING WEB PAGES DREAMWEAVER AND WORD PRESS	3.0
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: **Units:** 6.0-7.5

CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
BUS 109	E-COMMERCE MARKETING	3.0
CIMW 100A	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5
CIMW 241 *	INTRODUCTION TO CONTENT MANAGEMENT SYSTEMS (CMS)-WORDPRESS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.5-21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken

E-COMMERCE SPECIALIST - Certificate of Achievement

Summary

This program introduces students to creating and maintaining e-commerce web sites. The program emphasis is on industrial standards. These include SQL the database communication language, PHP the most used server-side web scripting language, JavaScript the most used client-side scripting language, jQuery the most used client-side javaScript framework. The restricted electives allow a student to emphasize either marketing, WordPress, or programming.

Learning Outcome(s):

- Demonstrate key e-commerce employment skills.
- Create basic websites and interface to databases.
- Demonstrate comprehensive terminology and industrial standards governing web e-commerce.

Requirements

Required Core: **Units:** 13.5

CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0

CIMW 115	INTRO CREATING WEB PAGES DREAMWEAVER AND WORD PRESS	3.0
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: **Units:** 3.0-4.5

CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
BUS 109	E-COMMERCE MARKETING	3.0
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5
CIMW 241 *	INTRODUCTION TO CONTENT MANAGEMENT SYSTEMS (CMS)-WORDPRESS	3.0

Total: 16.5-18.0

* Course has a prerequisite corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken

EARLY CHILDHOOD EDUCATION - AS-T Degree

Summary

The curriculum in this program is designed prepare students to be teachers and caregivers for young children ages 0-8 and to provide the transfer student an opportunity to achieve an Associate Degree for Transfer in Early Childhood Education by providing the necessary breadth in the field aligned to state and national standards, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education. Developmental and learning theory and strategies related to the unique care and education needs of young children will be studied and applied. Family collaboration and culturally responsive practice will be emphasized. Students who complete this degree meet the educational requirements for the Teacher level of the Child Development Permit. Students who complete this degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Describe developmental milestones for children in the areas of physical, psychosocial, cognitive, and language development.
- Identify environmental cultural, familial, economic, political, and historical contexts that influence all children's development.
- Demonstrate a range of skills and knowledge related to the unique need of children ages 0-8 years.
- Apply developmental theory, knowledge of child development, and research based teaching strategies to develop curriculum for the unique educational needs of young children individually and in group care settings.
- Demonstrate developmentally appropriate observation, assessment, and documentation skills that can be applied to interpretations of growth and development, planning, and identification of individual needs.

- Demonstrate professional skills including ethical practice, reflective practice, written and verbal communication, collaboration, advocacy, and identification of personal qualifications in relationship to state and national requirements for teachers of young children.

Requirements

Required Core: **Units:** 25.0

CDEV C1000	Child Growth and Development	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
CDE 101 *	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN	3.0
CDE 110 *	INTRODUCTION TO CURRICULUM	3.0
CDE 120 *	OBSERVATION AND ASSESSMENT	3.0
CDE 121 *	PRACTICUM-THE STUDENT TEACHING EXPERIENCE	4.0
CDE 112 *	HEALTH, SAFETY, AND NUTRITION	3.0
CDE 117 *	TEACHING IN A DIVERSE SOCIETY	3.0

Total: 25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EARLY CHILDHOOD TEACHER - Certificate of Achievement

Summary

Foundational theories of children's development and learning as well as appropriate strategies for teaching and caring for children ages birth to 8 will be studied and applied. Family collaboration, cultural sensitivity, and relationship-based practice will be emphasized. This certificate prepares students to provide competent and effective care and instruction of children in a variety of early childhood settings. It also meets the education requirements of the Teacher level of the Child Development Permit issued by the California Commission on Teacher Credentialing (CTC). Additional working experience with children is required to obtain the Permit.

A passing grade in each course is required to receive the certificate and/or qualify for the Child Development Permit.

Learning Outcome(s):

- Describe developmental milestones for children in the areas of physical, psychosocial, cognitive, and language development.
- Identify environmental, cultural, familial, economic, political, and historical contexts that influence all children's development.
- Demonstrate a range of skills and knowledge related to the unique need of children ages 0-8 years.
- Apply developmental theory, knowledge of child development, and research-based teaching strategies to develop curriculum for the unique educational needs of young children individually and in group care settings.
- Demonstrate developmentally appropriate observation, assessment, and documentation skills that can be applied to interpretations of growth and development, planning, and identification of individual needs.
- Demonstrate professional skills including ethical practice, reflective practice, written and verbal communication, collaboration, advocacy, and identification of personal qualifications in relationship to state and national requirements for teachers of young children.
- Demonstrate the skills and knowledge in supervising program staff and coordinating curriculum and staff development.

Requirements

Required Core: **Units:** 25.0

CDE 101 *	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
CDEV C1000	Child Growth and Development	3.0

CDE 110 *	INTRODUCTION TO CURRICULUM	3.0
CDE 112 *	HEALTH, SAFETY, AND NUTRITION	3.0
CDE 117 *	TEACHING IN A DIVERSE SOCIETY	3.0
CDE 120 *	OBSERVATION AND ASSESSMENT	3.0
CDE 121 *	PRACTICUM-THE STUDENT TEACHING EXPERIENCE	4.0

Required Breadth (16-18 units): **Units:** 16.0-18.0

Students must complete Area 1, select one course from each of Areas 2, 3, and 4, and select one additional course from Area 2, 3, or 4. **

Area 1		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Area 2		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
OR		
MATH 103 *	MATHEMATICAL IDEAS	3.0
OR		
GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
OR		
PHYS 30 *	PHYSICS AND CHEMISTRY FOR ELEMENTARY EDUCATORS	4.0
OR		
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
Area 3		
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
OR		
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
OR		
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0
Area 4		
ENG 42	CHILDREN'S LITERATURE	3.0
OR		
ARTH 20	ART APPRECIATION	3.0

OR		
MUS 1	THE BASICS OF MUSIC	3.0
OR		
MUS 20	MUSIC APPRECIATION	3.0
OR		
HORT 15	HISTORY OF LANDSCAPE DESIGN	3.0
OR		
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0

Total: 41.0-43.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
** Other courses that meet the same General Education category as the courses listed in Areas 2, 3, and 4 may be substituted to meet the restricted elective requirements. Refer to the current college catalog.

EATING DISORDERS - Occupational Skills Award

Summary

The Eating Disorders Studies (EDS) Occupational Skills Award offers three primary, nationally recognized eating disorders courses that are considered fundamental to the attainment of requisite knowledge and skills in the treatment of eating disorders. Students will gain the knowledge, training, and skills needed to identify, assess, and refer affected individuals to appropriate treatment. Upon successful completion of the Eating Disorders Studies Occupational Skills Award, students will qualify to apply for certificates or credentials offered by the International Association of Eating Disorders Professionals and/or other certifying organizations such as the California Association for Alcohol and Drug Educators (CAADE) and the Breining Institute. The Eating Disorders Studies (EDS) Occupational Skills Award is a complement to any or all of the four Human Services certificates (Alcohol and Drug Studies, Generalist, Community- Based Corrections, and the Mental Health Worker). There are no prerequisites for these courses.

Learning Outcome(s):

- Qualify for credentials or certificates offered by the International Association of Eating Disorders Professionals and/or other accredited organizations such as the California Association for Alcohol and Drug Educators (CAADE) or the Breining Institute.
- Demonstrate an awareness of the various diagnosable eating disorders as outlined in the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders (DSM) 5.
- Recognize signs and symptomology of eating disorders and engage in effective intervention and appropriate referrals for the treatment of eating disorders.

Requirements

Required Core: **Units:** 9.0

HS 181	INTRODUCTION TO EATING DISORDERS	3.0
HS 184 *	MEDICAL ASPECTS OF EATING DISORDERS	3.0
HS 185 *	THE BACKGROUND AND TREATMENT OF EATING DISORDERS	3.0

Total: 9.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ECOLOGICAL RESTORATION - Certificate of Achievement

Summary

The Ecological Restoration Certificate of Achievement prepares students to use basic and applied ecological concepts to reclaim and/or restore natural processes and functions to disturbed ecosystems. As the only available technical certificate in Ecological Restoration in Southern California, the program emphasizes application of restoration

techniques to monitor, assess, preserve, and restore ecosystems while providing students a solid foundation in local natural history, ecological concepts, ecological disturbances, and an understanding of natural resource management policy.

Students completing the certificate will be prepared to pursue professional opportunities such as restoration ecologist, environmental restoration planner, field technician, or similar with organizations including government (US Forest Service, National Park Service, California State Parks), corporate (ecological/environmental consulting firms), and non-profit (nature centers, community-based restoration, land trusts and conservancies).

Learning Outcome(s):

- Describe the major restoration techniques and identify the benefits and limitations of each approach.
- Develop a restoration plan for a specific site.
- Identify the regulatory and technical requirements for monitoring restoration sites.

Requirements

Required Core: **Units:** 15.0

ECOL 201	ECOLOGICAL RESTORATION TECHNIQUES	4.0
ECOL 202	ADVANCED ECOLOGICAL RESTORATION TECHNIQUES	4.0
Select one		3.0
ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
OR		
ENV 1H	HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
ENV 18	INTRODUCTION TO ECOLOGY	4.0

Restricted Electives: Select four courses **Units:** 8.0-13.0

ENV 24	NATURAL HISTORY OF CALIFORNIA	4.0
ENV 26	ENVIRONMENTAL JUSTICE	3.0
ENV 37	ENVIRONMENTAL ETHICS	3.0
ENV 40	ENVIRONMENTAL LAW AND POLICY	3.0
ENV 105 *	ENVIRONMENTAL STUDIES INTERNSHIP	2.0
ENV 123	WATER AND SOIL CONSERVATION	3.0
GEOG 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
OR		
GIS 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
HORT 113	SOILS AND FERTILIZERS	3.0
HORT 116	IRRIGATION DESIGN FUNDAMENTALS	3.0
HORT 166	NATIVE PLANTS IN THE URBAN LANDSCAPE	2.0
ECOL 180WE	ECOLOGICAL RESTORATION WORK EXPERIENCE	2.0

Total: 23.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ECONOMICS - A.A. Degree

Summary

The curriculum in the Economics Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers related to this major, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment and promotion.

Learning Outcome(s):

- Define scarcity, and show how it relates to the concepts of choice and cost.
- Outline the role of comparative advantage in exchange.
- Describe and analyze the economy in quantitative terms using national income and employment data from the standpoint of current and constant dollars.
- Utilize the demand and supply model and use the model to critically analyze real world examples.
- Explain the role of prices in allocating goods, services and factors of production.

Requirements

Required Core: **Units:** 14.0

Select one		3.0
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select one		3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
Select one		3.0
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
Select one		5.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
OR		
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0

Restricted Electives: Select two courses (6-9 units) **Units:** 6.0-9.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts Degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 20.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ECONOMICS - AA-T Degree

Summary

The Associate in Arts in Economics for Transfer degree provides a foundation in economics and the mathematics necessary for upper-division economics for students planning to transfer into a baccalaureate program in economics. This background should provide students with the tools to complete a bachelor's degree successfully. Students who complete the Associate in Arts in Economics for Transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers that can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Define scarcity, and show how it relates to the concepts of choice and cost.
- Outline the role of comparative advantage in exchange.
- Describe and analyze the economy in quantitative terms using national income and employment data from the standpoint of current and constant dollars.
- Utilize the demand and supply model to critically analyze real-world examples.
- Explain the role of prices in allocating goods, services, and factors of production.

Requirements

Required Core: **Units:** 14.0

Select one		3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
Select one		3.0

ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		5.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
OR		
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0

List A: Select one course **Units:** 3.0-5.0

MATH C2220 *	Calculus II: Early Transcendentals	5.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
ACCT 1B *	MANAGERIAL ACCOUNTING	4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
BUS 104 *	BUSINESS COMMUNICATION	3.0

List B: Select one of the following courses or any course from List A not already used **Units:** 3.0-5.0

Select one		3.0
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Total: 20.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ELEMENTARY TEACHER EDUCATION: INTEGRATED PROGRAMS - AA-T Degree

Summary

Upon completion of the Associate in Arts in Elementary Teacher Education: Integrated Programs for Transfer degree, students will have a strong foundation in introductory content area subject matter requirements for teaching at the elementary school level. Students will also participate in supervised fieldwork in K-12 settings. Students who complete the Associate in Arts in Elementary Teacher Education: Integrated Programs for Transfer degree receive priority admission to the California State University system, though admission to a specific campus or major is not guaranteed.

While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate introductory subject matter competency for the Multiple Subject California Subject Examination for Teachers (CSET).
- Compare and contrast teaching strategies and approaches appropriate to students of diverse needs, abilities, and backgrounds.
- Discuss the historical influences and current trends in education.

Requirements

Required Core: **Units:** 26.0

CDE 90 *	INTRO TO ELEMENTARY EDUCATION	3.0
Select one		3.0
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0
Select one		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0
HIST C1001	United States History to 1877	3.0
CDEV C1000	Child Growth and Development	3.0
BIOL C1000	Introduction to Biology with Lab	4.0
Select one		3.0
HIST 4	WORLD HISTORY TO 1500	3.0
OR		
ENGL C1002 *	Introduction to Literature	3.0
OR		
ENGL C1002H *	Introduction to Literature - Honors	3.0

List A: Complete the following course **Units:** 4.0

GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0

List B: Select one course **Units:** 3.0

ARTH 20	ART APPRECIATION	3.0
DANC 64	HISTORY OF DANCE	3.0
MUS 20	MUSIC APPRECIATION	3.0
TA 20	THEATRE APPRECIATION	3.0

Total: 33.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EMERGENCY MEDICAL TECHNICIAN - Occupational Skills Award

Summary

The Emergency Medical Technician Occupational Skills Award is designed to prepare the student for licensure as an EMT. The course prepares the student to care for the sick and injured in the hospital, at the scene of an emergency, and/or during transport.

Learning Outcome(s):

- Demonstrate proficiency in the cognitive aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.
- Demonstrate proficiency in the psychomotor aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.
- Demonstrate proficiency in the affective aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.

Requirements

Required Core: **Units:** 12.0

EMT 207 *	EMERGENCY MEDICAL TECHNICIAN PROCEDURES	11.0
EMT 207C *	EMERGENCY MEDICAL TECHNICIAN CLINICAL OBSERVATION	1.0

Total: 12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation, see course description.

ENGINEERING - A.S. Degree

Summary

The curriculum in the Engineering Associate of Science Degree program is designed to provide the transfer student the opportunity to achieve an associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers related to engineering fields, earning the Associate Degree would demonstrate achievement and may support employment as a technician in engineering related fields. Engineering companies constantly hire technicians. Students completing the engineering Associate of Science degree are prepared to transfer into: mechanical engineering, electrical engineering, civil engineering, and many other engineering degrees offered at California State Universities.

Learning Outcome(s):

- Demonstrate understanding of classical mechanics (Newtonian mechanics).
- Use Newtonian mechanics to solve structural problems in a static environment.
- Demonstrate understanding of material properties when solving static equilibrium problems.

Requirements

Required Core: **Units:** 23.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
PHYS 4A *	GENERAL PHYSICS	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
PHYS 4B *	GENERAL PHYSICS	5.0
ENGR 31 *	STATICS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENGLISH - AA-T Degree

Summary

English curriculum provides the transfer student the opportunity to earn an Associate in Arts in English for Transfer degree that will allow completion of both general education requirements and major preparatory course work. In addition, the selection of courses ensures the English major a broad perspective on the history of literature, coupled with the necessary writing, thinking, and research training essential for academic achievement. Students who complete the Associate in Arts Degree in English for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate writing fluency, critical thinking ability, and research skills. These skills will include grammar review, as well as expository and persuasive writing instruction.
- Use skill and creativity along with critical judgment of literary forms, as they compose their own nonfiction, short stories, novels, poems, plays, and screenplays.

- Examine traditional literary themes and genres in courses addressing American, British and World literature. Students will explore contemporary themes and genres in courses such as Introduction to the Novel, Ethnic Voices in Literature, and The Film as Literature. The broad spectrum of literature courses allows students to focus on a particular area of interest.

Requirements

Required Core: **Units:** 6.0

Select one		3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
OR		
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
OR		
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
Select one		3.0
ENGL C1002 *	Introduction to Literature	3.0
OR		
ENGL C1002H *	Introduction to Literature - Honors	3.0

List A: Select two courses (6 units) **Units:** 6.0

ENG 15A	SURVEY OF AMERICAN LITERATURE - 1620-1860	3.0
ENG 15B	SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY	3.0
ENG 17A	SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT	3.0
ENG 17B	SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT	3.0
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0

List B: Select one of the following courses or any course from List A not already used (3 units) **Units:** 3.0

ENG 3	INTRODUCTION TO CREATIVE WRITING	3.0
ENG 18	SHAKESPEARE - THE TRAGEDIES	3.0
ENG 24	ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US	3.0
ENG 42	CHILDREN'S LITERATURE	3.0
ENG 44	CLASSICAL MYTHOLOGY	3.0

List C: Select one of the following courses or any List A or List B course not already used (3 units) **Units:** 3.0

ENG 4	FICTION FUNDAMENTALS	3.0
ENG 6 *	INTRODUCTION TO CREATIVE NONFICTION	3.0
ENG 9 *	INTRODUCTION TO WRITING POETRY	3.0
ENG 10	STRATEGIC READING IN A GLOBAL SOCIETY	3.0
ENG 22	INTRODUCTION TO SHAKESPEARE	3.0
ENG 22H	HONORS INTRODUCTION TO SHAKESPEARE	3.0
ENG 27A	INTRODUCTION TO THE NOVEL	3.0
ENG 27AH	HONORS INTRODUCTION TO THE NOVEL	3.0
ENG 52	THE FILM AS LITERATURE	3.0
ENG 55	SCIENCE FICTION AND SOCIETY	3.0
ENG 104 *	WRITING SHORT STORIES	3.0
ENG 107 *	WRITING THE FICTION AND/OR NONFICTION BOOK	3.0
ENG 160 *	LITERARY MAGAZINE	3.0

JRN 2	NEWS WRITING	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
COMM 30	INTRODUCTION TO ORAL INTERPRETATION	3.0
TA 20	THEATRE APPRECIATION	3.0
ANTH 3 *	CULTURE AND LANGUAGE	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENGLISH LITERATURE - A.A. Degree

Summary

The curriculum in the English Literature Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment and promotion. Students earning the English Literature Associate of Arts degree may transfer into degree programs such as: English, English Literature, and English Education.

Learning Outcome(s):

- Demonstrate writing fluency, critical thinking ability, and research skills. These skills will include grammar review, as well as expository and persuasive writing instruction.
- Use skill and creativity along with critical judgment of literary forms, as they compose their own nonfiction, short stories, novels, poems, plays, and screenplays.
- Examine traditional literary themes and genres in courses addressing American, British and World literature. Students will explore contemporary themes and genres in courses such as Introduction to the Novel, Ethnic Voices in Literature, and The Film as Literature. The broad spectrum of literature courses allows students to focus on a particular area of interest.

Requirements

Required Core: **Units:** 10.0

Select one		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
ENGL C1002 *	Introduction to Literature	3.0
OR		
ENGL C1002H *	Introduction to Literature - Honors	3.0
Select one		3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
OR		
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
OR		
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
OR		
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0

Restricted Electives: Select three courses **Units:** 9.0

ENG 15A	SURVEY OF AMERICAN LITERATURE - 1620-1860	3.0
ENG 15B	SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY	3.0
ENG 17A	SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT	3.0
ENG 17B	SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT	3.0
ENG 18	SHAKESPEARE - THE TRAGEDIES	3.0
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0
ENG 22	INTRODUCTION TO SHAKESPEARE	3.0
OR		
ENG 22H	HONORS INTRODUCTION TO SHAKESPEARE	3.0
ENG 24	ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US	3.0
ENG 27A	INTRODUCTION TO THE NOVEL	3.0
OR		
ENG 27AH	HONORS INTRODUCTION TO THE NOVEL	3.0
ENG 52	THE FILM AS LITERATURE	3.0
ENG 55	SCIENCE FICTION AND SOCIETY	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENTREPRENEURSHIP - A.S. Degree

Summary

The Entrepreneurship Associate of Science degree program is designed for students who wish to emphasize entrepreneurship in their community college business studies. Completion of the Entrepreneurship Associate of Science program provides students with critical knowledge and tools for planning, launching, and operating a new business. Program completion demonstrates persistence and achievement and may support job applications. The program provides valuable preparation in proven business practices and business ownership issues, such as market focus, measures of success, and development of a clear and useful business plan. Because some of the leading causes of new business failures are poor risk management, lack of adequate capitalization, and mismanagement of resources, specific information is provided in these areas to help students make good decisions. Career paths and occupations for students with entrepreneurship skills include business development, e-commerce, finances, marketing, and management, across industries.

Learning Outcome(s):

- Describe the major influences on small businesses.
- Describe governmental, financial, human resource, and other factors when planning or building a new product, service, or business.
- Make business decisions that consider the fundamentals of legal systems and social, ethical, and political forces affecting the development and operation of businesses.

- Communicate clearly, effectively, and appropriately in writing and orally.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Describe the entrepreneurial risks and challenges inherent in each major component of the entrepreneurial business.
- Evaluate a product, service, or business in terms of a clearly defined proposed target customer and the need that is being satisfied.
- Research and develop a business plan for all aspects of the creation and maintenance of a business.
- Prepare business documents and reports using Internet and other research sources accurately and appropriately and using appropriate visual representation in the form of graphs and/or tables.
- Behave appropriately in a workplace, following business policies and procedures and directions and using independent judgment as needed and using decision-making skills to solve problems.
- Solve problems through hands-on projects to develop computer-based solutions to business problems.
- Apply mathematical skills and knowledge to answer marketing questions or describe business characteristics.

Requirements

Required Core: **Units:** 25.0-28.0

ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		2.0-3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
BUS 160	ENTREPRENEURSHIP	3.0

Restricted Electives: Select any courses not already used (3-3.5 units) **Units:** 3.0-3.5

BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 10 *	BUSINESS STATISTICS	3.0

OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 237	FINANCING THE ENTREPRENEURIAL BUSINESS	1.5
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0-3.0
BUS 150	INTERNATIONAL BUSINESS	3.0

Marketing and Communication Specialties: Select any course not already used (3 units) **Units:** 3.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 109 *	E-COMMERCE MARKETING	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 135	MARKETING	3.0
BUS 136	PRINCIPLES OF RETAILING	3.0
BUS 137	PROFESSIONAL SELLING FUNDAMENTALS	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science Degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 31.0-34.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENTREPRENEURSHIP - Certificate of Achievement

Summary

The Entrepreneurship Certificate of Achievement program is designed for students who plan to engage in entrepreneurship or who have already begun their own business. Completion of this certificate provides students with critical knowledge and skills for planning, starting, and operating a new business. The program provides valuable preparation in proven business practices and business ownership, operation, and management issues, such as market focus, measures of success, and development of a clear and useful business plan. Career paths and occupations for students with entrepreneurship skills include business development, e-commerce, finances, marketing, and management, across industries. Completion also demonstrates persistence and achievement and may support job applications.

Learning Outcome(s):

- Identify the fundamentals of legal systems, and technological, social, ethical, global, and political forces affecting the development and operation of businesses.

- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Describe starting and building businesses, including governmental, financial, human resource, and others when planning or building a new product, service, or business.
- Communicate clearly and effectively, orally and in writing, in the business workplace environment.
- Describe entrepreneurial risks and challenges inherent in each major component of the entrepreneurial business.
- Evaluate a product, service, or business in terms of a clearly defined proposed target customer and the need that is being satisfied.
- Research and develop a business plan for all aspects of the creation and maintenance of a business.
- Prepare business documents and reports using Internet and other research sources accurately and appropriately and using appropriate visual representation in the form of graphs and/or tables.
- Behave appropriately in a workplace, following business policies and procedures and directions and using independent judgment as needed and using decision-making skills to solve problems.
- Complete hands-on projects to develop computer-based solutions to business problems.
- Identify the various forms of business entities and identify distinguishing characteristics among them.
- Apply principles of business management to analyze and propose solutions to business problems.
- Compare various methods of acquiring business financing.

Requirements

Required Core: **Units:** 19.5-22.5

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		2.0-3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
BUS 237	FINANCING THE ENTREPRENEURIAL BUSINESS	1.5

Restricted Electives: Select any course not already used **Units:** 2.0-3.0

BUS 10 *	BUSINESS STATISTICS	3.0

OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 109 *	E-COMMERCE MARKETING	3.0
BUS 150	INTERNATIONAL BUSINESS	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0-3.0

Total: 21.5-25.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENTREPRENEURSHIP - Occupational Skills Award

Summary

The Entrepreneurship Occupational Skills Award is particularly useful for members of the community and other students who are planning or are in the process of starting a new business.

Requirements

Required Core: **Units:** 10.5

ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 237	FINANCING THE ENTREPRENEURIAL BUSINESS	1.5

Total: 10.5

ENVIRONMENTAL SCIENCE - AS-T Degree

Summary

Environmental Science is an interdisciplinary course of study that draws on science, economics, and mathematics to produce an understanding of the complex interactions between humans and the environment. The Associate in Science in Environmental Science for Transfer Degree provides students with a core curriculum to develop key skills for applying biological, physical, and chemical scientific principles to the study of the environment. Students will also develop skills for critical/analytical thinking and problem-solving that are needed to develop solutions to environmental problems at the local, national, and global level.

Students who complete the Associate in Science in Environmental Science for Transfer Degree receive priority admission to the California State University system, although admission to a specific campus is not guaranteed.

The Associate in Science in Environmental Science for Transfer Degree prepares students for transfer to a 4-year university for further study to prepare for a wide variety of careers. Environmental scientists typically use their knowledge and skills to protect the environment and human health. They may clean up polluted areas, advise policymakers, or work with government and industry to reduce waste and improve environmental conditions. Other career possibilities are academia, environmental law, environmental consulting, biodiversity conservation, and resource management.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate knowledge of the physical, biological, ecological, and social sciences required to effectively address current environmental issues and be prepared to pursue further study in an environmental science program at the baccalaureate level.
- Demonstrate scientific literacy and ability to engage in scientific inquiry concerning environmental issues through the evaluation and analysis of scientific literature, and presentation of results in written and oral form.
- Critically evaluate strategies for sustainable management of environmental systems and for the remediation or restoration of degraded environments and human health protection.

Requirements

Required Core: **Units:** 41.0-42.0

Select Option 1 or Option 2:		13.0-14.0
Option 1		13.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
OR		
Option 2		14.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
CHEM 1B *	GENERAL CHEMISTRY	5.0

Complete the following:		28.0
Select one		3.0
ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
OR		
ENV 1H	HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
Select GEOL 1 or Either GEOG 1 or GEOG 1H and GEOG 1L		4.0
GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
OR		
Either		
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
AND		
GEOG 1L *	PHYSICAL GEOGRAPHY LABORATORY	1.0
Select one		3.0
STAT C1000 *	Introduction to Statistics	3.0

OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
OR		
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
Select one		3.0
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select PHYS 4A and PHYS 4B or PHYS 2A and PHYS 2B		10.0
PHYS 4A *	GENERAL PHYSICS	5.0
AND		
PHYS 4B *	GENERAL PHYSICS	5.0
OR		
PHYS 2A *	INTRODUCTION TO PHYSICS	5.0
AND		
PHYS 2B *	INTRODUCTION TO PHYSICS	5.0

Total: 41.0-42.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENVIRONMENTAL STUDIES - A.A. Degree

Summary

Environmental Studies is an interdisciplinary program that provides students with an integrated and critical knowledge of the natural environment and the relationships and interactions humans have with it. The program provides students with the understanding that environmental challenges face every aspect of society, and it provides them with the skills needed to help solve these complex problems through cooperation and negotiation with the different and often competing stakeholders. The program combines classroom, laboratory, and field study instruction giving students a well-rounded preparation in the field of environmental studies.

The curriculum in the Environmental Studies Associate Degree program is designed to prepare students to transfer to a baccalaureate institution and complete a four year degree in an environmental related field of study, including, but not limited to, Environmental Studies, Environmental Science and Management, Environmental Policy, Energy Studies, Sustainability Studies, Conservation Biology, Ecology, and Wildlife Management. While a baccalaureate or higher degree is recommended for those considering professional careers related to this field, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment and promotion.

Learning Outcome(s):

- Demonstrate social responsibility by using critical thinking skills.
- Demonstrate scientific literacy and ability to engage in scientific inquiry concerning environmental issues through the evaluation and analysis of scientific literature, and presentation of results in written and oral form.

- Evaluate environmental impact of personal decisions on the local, regional, national, and global environment.

Requirements

Required Core: **Units:** 21.0

ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
ENV 18	INTRODUCTION TO ECOLOGY	4.0
CHEM 3 *	FUNDAMENTAL CHEMISTRY	4.0
Select one		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
OR		
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
OR		
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
STAT C1000 *	Introduction to Statistics	3.0

Restricted Electives (9-12 units): **Units:** 9.0-12.0

ENV 5	BIODIVERSITY CONSERVATION	3.0
ENV 6 *	SCARCITY AND ENVIRONMENT	3.0
ENV 16	ENVIRONMENTAL DISASTERS	3.0
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
ENV 24	NATURAL HISTORY OF CALIFORNIA	4.0
ENV 25	ENVIRONMENTAL HAZARDS TO HEALTH	3.0
ENV 26	ENVIRONMENTAL JUSTICE	3.0
ENV 30	ALTERNATIVE ENERGY TECHNOLOGIES	3.0
ENV 37	ENVIRONMENTAL ETHICS	3.0
ENV 38	WATER QUALITY AND MONITORING	3.0
ENV 40	ENVIRONMENTAL LAW AND POLICY	3.0
ENV 105 *	ENVIRONMENTAL STUDIES INTERNSHIP	2.0
ENV 106	NATURAL RESOURCE CONSERVATION	3.0
ENV 123	WATER AND SOIL CONSERVATION	3.0
ENV 141	WATER RESOURCES AND MANAGEMENT	4.0
ENV 180WE	ENVIRONMENTAL MONITORING AND ASSESSMENT WORK EXPERIENCE	2.0
GEOG 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
OR		
GIS 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 30.0-33.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EVENT PLANNER - Occupational Skills Award

Summary

The Event Planner Occupational Skills Award prepares the student with skills that are necessary to become a successful planner within the industry. The focus will be on details, vision, organization and the means to produce both big and small events. Event Planners may work on a freelance basis, for an event planning company and/or non-profit organization and for-profit corporations. Coursework covers planning and directing an event from start to finish. This will include: promotions, music, hospitality, merchandise and/or vendors, stage, rentals, culinary, lighting, selecting a venue, budget, and an internship in the field.

After completion of the skills award, students will be eligible for a position in the following areas: fashion event planner, assistant event planner, fashion show event planner, assistant event coordinator, and assistant event manager.

Learning Outcome(s):

- Produce a special event which will include: selecting the venue, theme, stage, promotions, music, lighting, merchandise, hospitality and staying within a given budget.
- Create a professional portfolio depicting their produced event while highlighting all of the necessary skills to become a successful event planner. Skills include: budgeting, logistics, promotion, communication, scheduling, procurement and measuring the overall success of the event.
- Complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor.

Requirements

Required Core: **Units:** 15.0

BUS 160	ENTREPRENEURSHIP	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 148	VISUAL MERCHANDISING	3.0
FASH 145 *	INTERNSHIP	1.0
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0

Total: 15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FAMILY AND CONSUMER SCIENCES - A.S. Degree

Summary

The Family and Consumer Sciences (FCS) Associate in Science program is designed to develop the skills necessary for gainful employment in the field of human sciences—a people-centered science focused on supporting individuals, families, and communities. FCS encompasses the study of relationships among people and their personal environments focusing on the impact of physical, biological and social environments on human behavior and development. Skills that students gain involve how to efficiently manage a household including safe and healthy food

preparation, household and small business budgeting, consumer issues, the basics in interior design, and clothing construction and selection. Electives provide additional skills in areas of life skills, financial planning, family and community dynamics, weight management, and communication and relationship skills. Combined with courses such as business, journalism, television or advertising, the FCS curriculum can also fulfill the vocational objectives of those who want to enhance their marketability in these other fields.

The FCS degree allows students employment in a variety of careers in business, industry, health and human services, and educational settings, including but not limited to independent living services, youth programs, community organizations, after-school programs, nonmedical senior care centers, programs for older adults, and self-improvement programs. Specific job titles include community or social service specialist, customer service representative, social and human service assistant, public relations specialist, store manager, youth counselor, program coordinator, and marketing specialist. Additionally, this degree prepares students for transfer into Family and Consumer Sciences majors at 4-year universities, further specializing in chosen areas of interest.

Learning Outcome(s):

- Identify and analyze current research on a consumer science topic.
- Use the psychology of advertising and the marketplace to identify motivations and trends.
- Develop a personal, family, or small business budget.
- Learn how to plan and prepare a healthy diet for individuals and families.

Requirements

Required Core: **Units:** 15.0

FASH 110 *	CONTEMPORARY CLOTHING CONSTRUCTION	3.0
FCS 115	CONSUMER ISSUES	3.0
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0

Restricted Electives: Select one course **Units:** 3.0

CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
FASH 141	APPAREL SELECTION	3.0
ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
FCS 142	LIFE MANAGEMENT	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
COUN 51	HUMAN RELATIONSHIPS	3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

FAMILY AND CONSUMER SCIENCES - Certificate of Achievement

Summary

The Family and Consumer Sciences (FCS) Certificate of Achievement program is designed to develop the skills necessary for gainful employment in the field of human sciences—a people-centered science focused on supporting individuals, families, and communities. FCS encompasses the study of relationships among people and their personal environments focusing on the impact of physical, biological and social environments on human behavior and development. Skills that students gain involve how to efficiently manage a household including safe and healthy food preparation, household and small business budgeting, consumer issues, the basics in interior design, and clothing construction and selection. Electives provide additional skills in areas of life skills, financial planning, family and community dynamics, weight management, and communication and relationship skills. Combined with courses such as business, journalism, television or advertising, the FCS curriculum can also fulfill the vocational objectives of those who want to enhance their marketability in these other fields.

The FCS certificate allows students employment in a variety of careers in business, industry, health and human services, and educational settings, including but not limited to independent living services, youth programs, community organizations, after-school programs, nonmedical senior care centers, programs for older adults, and self-improvement programs. Specific job titles include community or social service specialist, customer service representative, social and human service assistant, public relations specialist, store manager, youth counselor, program coordinator, and marketing specialist.

Learning Outcome(s):

- Identify and analyze current research on a consumer science topic.
- Use the psychology of advertising and the marketplace to identify motivations and trends.
- Develop a personal, family, or small business budget.
- Learn how to plan and prepare a healthy diet for individuals and families.

Requirements

Required Core: **Units:** 15.0

FASH 110 *	CONTEMPORARY CLOTHING CONSTRUCTION	3.0
FCS 115	CONSUMER ISSUES	3.0
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0

Restricted Electives: Select one course **Units:** 3.0

CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
FASH 141	APPAREL SELECTION	3.0
ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
FCS 142	LIFE MANAGEMENT	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
COUN 51	HUMAN RELATIONSHIPS	3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

FASHION DESIGN - A.S. Degree

Summary

The Fashion Design Associate of Science degree provides students with the comprehensive academic foundation necessary to pursue a career in fashion design. Coursework provides opportunities for students to develop skills in industrial sewing and garment construction, pattern making, draping, fashion illustration, product development, elements of design, fashion history, textiles, CAD design, and careers within the apparel and textile industry. Students

who complete this program will be prepared for entry-level positions in fashion design. Possible occupations include: Assistant Fashion Designer, Design Room Assistant, Sewing Machine Operator, Tailor, Dressmaker, Custom Sewer, and Fabric and Apparel Patternmaker.

Learning Outcome(s):

- Produce a professional portfolio showcasing their skills. This portfolio will increase job opportunities in the field as well as promotion for those already employed.
- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their skills. This will increase job opportunities in the field as well as promotion for those already employed.

Requirements

Required Core: **Units:** 40.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 111 *	SEWING FOR FASHION DESIGN II	3.0
Select one		3.0
FASH 112 *	FASHION SEWING--ADVANCED	3.0
OR		
FASH 124 *	WEARABLE ART	3.0
OR		
FASH 211 *	ADVANCED DRESSMAKING AND CUSTOM SEWING	3.0
FASH 130 *	FLAT PATTERN DESIGN	4.0
FASH 132 *	DRAPING FASHION DESIGNS	3.0
FASH 141	APPAREL SELECTION	3.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
FASH 154	FASHION ILLUSTRATION	3.0
Select one		1.0
FASH 207	ECO-FRIENDLY FASHION TOUR	1.0
OR		
FASH 247	SPECIAL EVENTS PARTICIPATION	1.0
OR		
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0
Select FASH 155 or FASH 204 and FASH 225		2.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FASHION DESIGN - Certificate of Achievement

Summary

The Fashion Design certificate provides students with the comprehensive academic foundation necessary to pursue a career in fashion design. Coursework provides opportunities for students to develop skills in industrial sewing and garment construction, pattern making, draping, fashion illustration, product development, elements of design, fashion history, textiles, CAD design, and careers within the apparel and textile industry. All Fashion Design students are required to complete an industry internship, create an industry resume/portfolio and tour major fashion companies in the southern California area. Additionally, all students will have the opportunity to participate and show their work in the annual fashion show. This certificate is designed for students looking to obtain the necessary skills for immediate entry into the workforce in the area of fashion design. Possible occupations include: Assistant Fashion Designer, Design Room Assistant, Sewing Machine Operator, Tailor, Dressmaker, Custom Sewer, and Fabric and Apparel Patternmakers. Also, this certificate provides the foundation for the Advanced Fashion Design and Apparel Manufacturing certificate.

Learning Outcome(s):

- Produce a professional portfolio showcasing their skills. This portfolio will increase job opportunities in the field as well as promotion for those already employed.
- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their skills. This will increase job opportunities in the field as well as promotion for those already employed.

Requirements

Required Core: **Units:** 40.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 111 *	SEWING FOR FASHION DESIGN II	3.0
Select one		3.0
FASH 112 *	FASHION SEWING--ADVANCED	3.0
OR		
FASH 124 *	WEARABLE ART	3.0
OR		
FASH 211 *	ADVANCED DRESSMAKING AND CUSTOM SEWING	3.0

FASH 130 *	FLAT PATTERN DESIGN	4.0
FASH 132 *	DRAPING FASHION DESIGNS	3.0
FASH 141	APPAREL SELECTION	3.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
FASH 154	FASHION ILLUSTRATION	3.0
Select one		1.0
FASH 207	ECO-FRIENDLY FASHION TOUR	1.0
OR		
FASH 247	SPECIAL EVENTS PARTICIPATION	1.0
OR		
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0
Select FASH 155 or FASH 204 and FASH 225		2.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0

Total: 40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FASHION DISPLAY AND PRESENTATION - A.S. Degree

Summary

The Fashion Display and Presentation degree provides the student with a comprehensive academic foundation to pursue multiple fashion display careers within the field of merchandising and marketing. Students will have opportunities to develop skills in product knowledge, color theory, fashion sketching, store planning and layout, stage set design and construction, careers within the industry, and history of fashion trends. Students that complete this program will be prepared for entry-level positions in brick and mortar retail and/or e-commerce. Occupations such as: visual merchandiser, visual stylist, display assistant, display coordinator, retail management, customer service associate, and freelance display artist. This Associate of Science degree prepares students for transfer to 4-year universities, majoring in Fashion Merchandising or Fashion Design. Similar transfer majors include: Apparel Management, Apparel Merchandising and Fashion Retailing.

Learning Outcome(s):

- Produce a professional portfolio showcasing their visual display and presentation skills.
- Demonstrate and understand skills needed to create and construct 3-dimensional window displays and/or 3-dimensional visual stage sets showcasing continuity of theme, layout, signage, merchandise, and lighting presentation.
- Demonstrate and understand skills needed to execute editorial or lifestyle photo shoots for publications in print or e-commerce.

Requirements

Required Core: **Units:** 21.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 140	FASHION IMAGE	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 148	VISUAL MERCHANDISING	3.0
FASH 154	FASHION ILLUSTRATION	3.0

Restricted Electives (1.5-3 units): **Units:** 1.5-3.0

ARTH 100	ART GALLERY DISPLAY AND EXHIBITION	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
Select both if either course is chosen		3.0
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
AND		
FASH 145 *	INTERNSHIP	1.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
FASH 250	FASHION TREND FORECASTING	1.5
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 22.5-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in the last semester of the program.

FASHION MERCHANDISING - A.S. Degree

Summary

The Fashion Merchandising Associate of Science degree provides the student with a comprehensive academic foundation to pursue multiple fashion industry careers within the field of merchandising, marketing and management. Students will have opportunities to develop skills in Adobe suite, history of fashion trends, store planning and layout, event coordination, buying, selling and promoting goods, social media and e-commerce marketing. Students who complete this program will be prepared for entry-level occupations such as: assistant buyer, visual merchandiser, fashion stylist, assistant merchandiser, boutique owner, retail manager, sales representative, event planner, personal shopper, and public relations assistant.

Learning Outcome(s):

- Produce a professional portfolio showcasing their skills. This portfolio will increase job opportunities in the field as well as promotion for those already employed.

- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their skills. This will increase job opportunities in the field as well as promotion for those already employed.

Requirements

Required Core: **Units:** 34.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 143	FASHION BUYING AND MERCHANDISING	3.0
Select one		3.0
FASH 140	FASHION IMAGE	3.0
OR		
FASH 141	APPAREL SELECTION	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 148	VISUAL MERCHANDISING	3.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
FASH 154	FASHION ILLUSTRATION	3.0
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0

Restricted Electives: Select one course from each group **Units:** 8.0

Group 1		3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 109	E-COMMERCE MARKETING	3.0
BUS 160	ENTREPRENEURSHIP	3.0
Group 2 - Select FASH 155 or FASH 204 and FASH 225		2.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0
Group 3		3.0
FASH 100	SEWING FOR FASHION DESIGN I	3.0
FASH 110 *	CONTEMPORARY CLOTHING CONSTRUCTION	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 42.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FASHION MERCHANDISING - Certificate of Achievement

Summary

The Fashion Merchandising Certificate of Achievement provides the student with a comprehensive academic foundation to pursue multiple fashion industry careers within the field of merchandising, marketing and management. Students will have opportunities to develop skills in Adobe suite, history of fashion trends, store planning and layout, event coordination, buying, selling and promoting goods, social media and e-commerce marketing. Students who complete this program will be prepared for entry-level occupations such as: assistant buyer, visual merchandiser, fashion stylist, assistant merchandiser, boutique owner, retail manager, sales representative, event planner, personal shopper, and public relations assistant.

Learning Outcome(s):

- Produce a professional portfolio showcasing their skills. This portfolio will increase job opportunities in the field as well as promotion for those already employed.
- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their skills. This will increase job opportunities in the field as well as promotion for those already employed.

Requirements

Required Core: **Units:** 34.0

FASH 31	TEXTILES	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
FASH 51	RACE AND ETHNICITY IN FASHION	3.0
FASH 101	INTRODUCTION TO FASHION CAREERS	3.0
FASH 143	FASHION BUYING AND MERCHANDISING	3.0
Select one		3.0
FASH 140	FASHION IMAGE	3.0
OR		
FASH 141	APPAREL SELECTION	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 148	VISUAL MERCHANDISING	3.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
FASH 154	FASHION ILLUSTRATION	3.0
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0

Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0

Restricted Electives: Select one course from each group **Units:** 8.0

Group 1		3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 109	E-COMMERCE MARKETING	3.0
BUS 160	ENTREPRENEURSHIP	3.0

Group 2 - Select FASH 155 or FASH 204 and FASH 225		2.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
OR		
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
AND		
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0

Group 3		3.0
FASH 100	SEWING FOR FASHION DESIGN I	3.0
FASH 110 *	CONTEMPORARY CLOTHING CONSTRUCTION	3.0

Total: 42.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FASHION STYLIST - Occupational Skills Award

Summary

The Fashion Stylist Occupational Skills Award prepares the student with skills that are necessary to develop knowledge of fabrics, fit and trends to create a look that a client will display to the world. The student will use art, science, and psychology of dress to enhance their subjects and project an image. Coursework covers color, line, texture, principles of design, clothing quality and care, wardrobe planning and purchasing, dress codes, body types, face shapes, hair styles, and an internship in the field.

After completion of the skills award, students will be eligible for the following positions: Image consultant, assistant celebrity stylist, wardrobe stylist, personal shopper, editorial and lifestyle for print stylist, digital stylist, and runway stylist.

Learning Outcome(s):

- Produce a professional working wardrobe for a client by selecting garments and outfits that compliments their body type, clothing personality, color season, and face shape which will enhance the client's overall image.
- Create a professional portfolio depicting their completed working wardrobes for various clients. Skills include: determining clothing personalities, color seasons, budgeting, fit, proportion, knowledge of current brands and designers and understanding design elements and principles of clothing.
- Complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor.

Requirements

Required Core: **Units:** 15.0

BUS 160	ENTREPRENEURSHIP	3.0
FASH 140	FASHION IMAGE	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 141	APPAREL SELECTION	3.0
FASH 145 *	INTERNSHIP	1.0
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0

Total: 15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FASHION TECHNOLOGY - Occupational Skills Award

Summary

The Fashion Technology Occupational Skills Award prepares students with skills and experience in the latest fashion technologies. Students will gain competencies in the following areas: Tukatech CAD pattern making and grading, digital illustration with programs such as Adobe Illustrator and Photoshop and online retail platforms such as Shopify and Apparel Cart, creation of specification sheets with Excel and Illustrator, and professional certification in Apparel Information Management Systems (AIMS). This award is focused both on students entering into the fashion industry for the first time and students who are already fashion professionals who need to upgrade skills for career advancement and retention. Upon completion of this skills award students may acquire positions as: assistant designers, technical designers, textile surface designers, fashion web store designers, fashion entrepreneurs, product developers, apparel information managers, pattern makers, pattern graders, pattern marker makers, fashion CAD designers, fashion buyers, technology trainers for the fashion industry, and fashion merchandisers.

Learning Outcome(s):

- Produce a professional portfolio showcasing their skills related to fashion technology. This portfolio will increase job opportunities in the field as well as promotion for those already employed.
- Successfully complete an industry internship including the completion of three individual goals/objectives as determined by themselves and an industry supervisor. Internships give students work experience desirable in job applicants.
- Create a professional resume showcasing their skills related to fashion technology. This will increase job opportunities in the field as well as promotion for those already employed.

Requirements

Required Core: **Units:** 15.0

FASH 130 *	FLAT PATTERN DESIGN	4.0
FASH 131 *	CAD PATTERNMAKING WITH TUKATECH	3.0
FASH 204	UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION	1.0
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
Select one		1.0
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0
OR		
FASH 207	ECO-FRIENDLY FASHION TOUR	1.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		

FASH 180WE * †	FASHION WORK EXPERIENCE	2.0

Total: 15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

FILM, TELEVISION, AND ELECTRONIC MEDIA - AS-T Degree

Summary

The Associate in Science in Film, Television, and Electronic Media for Transfer Degree offered by the Cinema-Television-Radio Department provides students with the knowledge, skills, and hands-on experience needed for transfer preparation. The program introduces students to various types of media production including film, television, audio, and video editing as well as media studies. The coursework lays the foundation for students who intend to transfer into CSU majors, such as Cinema and Television Arts, Film and Electronic Arts, or Film and Media Studies. The potential careers students may enter upon completion of the program include film/TV producing, directing, cinematography, video editing, sound design, visual effects, production design, and radio announcing.

Students who complete the AS-T Degree program will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Apply skills and knowledge required to be successful in media production.
- Produce a demo reel which can showcase their skills and knowledge.
- Describe the technical, cultural and economic history and trends of radio, television or film.
- Demonstrate readiness to further their education and transfer to a four-year institution.

Requirements

Required Core: Select two **Units:** 6.0

Select one		3.0
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
CTVR 4	CINEMATIC STORYTELLING	3.0
CTVR 40	TELEVISION AND FILM SCRIPTWRITING I	3.0

List A: Select one Audio and one Video or Film Production Course **Units:** 6.0

Audio		3.0
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0
CTVR 113 *	RADIO BROADCASTING	3.0
Video or Film Production		3.0
CTVR 31 *	FILM PRODUCTION I	3.0
CTVR 124 *	TELEVISION PRODUCTION I	3.0
CTVR 101	VIDEO PRODUCTION BASICS	3.0

List B: Select one or any course from the Required Core or List A not already selected **Units:** 3.0

CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
CTVR 32 *	FILM PRODUCTION II	3.0
CTVR 151	NON-LINEAR EDITING I	3.0

List C: Select one or any course not already used above **Units:** 3.0

CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 42 *	TELEVISION AND FILM DIRECTING	3.0
CTVR 100	INTRODUCTION TO CINEMA, TELEVISION, AND RADIO	3.0
CTVR 104	COLD READING AND INTERVIEW TECHNIQUES	3.0
CTVR 125 *	TELEVISION PRODUCTION II	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0
CTVR 140 *	TELEVISION AND FILM SCRIPTWRITING II	3.0
CTVR 191	VOICE-OVER AND ANNOUNCING	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

FRENCH - A.A. Degree

Summary

The curriculum in the French program is designed to provide the student the opportunity to achieve an Associate of Arts in French degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree of French will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A French degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the French program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in French degree.

Learning Outcome(s):

- Accurately interpret written sections in French.
- Accurately interpret spoken language in French.
- Demonstrate proficient conversational skills in French.
- Demonstrate knowledge of the history, politics, literature, culture and arts of French speaking countries as well as people who speak French.

Requirements

Required Core: **Units:** 23.0

FR 1 *	ELEMENTARY FRENCH	5.0
FR 2 *	ELEMENTARY FRENCH	5.0
FR 3 *	INTERMEDIATE FRENCH	5.0
FR 4 *	INTERMEDIATE FRENCH	5.0
FR 21 *	INTRODUCTION TO FRENCH CULTURE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degree

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GAMES AND INTERACTIVE MEDIA - A.S. Degree

Summary

The Associate of Science in Games and Interactive Media program prepares students for entry-level careers as artists in the game design and interactive media entertainment industries, for both analog and digital environments, such as character artists, environment artists, concept designers, prop designers, level designers, animators, 2D and 3D artists, and artistic directors. The program also provides coursework for professionals interested in upgrading skills and/or receiving certification in the field. The degree is designed as a focused specialization satisfying industry goals of producing highly specialized artists and designers. The program encompasses all phases of the art design process for games and interactive media from establishing visual aesthetics in concert with interaction dynamics (design, layout, and prototyping) through iteration, implementation, and distribution following industry standard pipelines.

Learning Outcome(s):

- Create art assets for various types of games and interactive media.
- Develop creative resilience by embracing failure as part of the design process.
- Listen, evaluate, and respond critically to the ideas of others.
- Assess their own design processes and effectively communicate them.
- Iterate on design ideas and work with a team to refine them.
- Develop effective habits of communication to work well in teams.
- Build and playtest game prototypes to explore key design concepts.
- Design digital and non-digital games grounded in common principles of game design.
- Demonstrate basic understanding of game literacies and game design principles.
- Build a team game following the game design production pipeline.

Requirements

Required Core: **Units:** 24.0

GD 51	HISTORY OF GAMES	3.0
GD 53	INTRODUCTION TO GAME DESIGN	3.0

ART 40	2-D FOUNDATIONS	3.0
ART 41 *	THREE-DIMENSIONAL DESIGN	3.0
GD 55	CHARACTER DESIGN	3.0
GD 56	ENVIRONMENT DESIGN	3.0
GD 59	3D MODELING	3.0
GD 66 *	GAME ART PRODUCTION	3.0

Restricted Electives: Select one track **Units:** 9.0

Animation Track		
GD 150 *	DIGITAL ANIMATION	3.0
GD 210	MOTION GRAPHICS	3.0
GD 61	3D ANIMATION	3.0
Design Track		
GD 104	PLAY STUDIES	3.0
GD 58	INTERACTIVE STORYTELLING	3.0
GD 63	EXPERIENCE DESIGN	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 33.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GAMES AND INTERACTIVE MEDIA - ANIMATION - Certificate of Achievement

Summary

The Certificate of Achievement in Games and Interactive Media - Animation prepares students for entry-level careers as artists in the game design and interactive media entertainment industries, for both analog and digital environments, such as character artists, environment artists, prop designers, animators, or 2D and 3D artists. The program also provides coursework for professionals interested in upgrading skills and/or receiving certification in the field. Along with providing certification for professionals in the field, this certification is also meant to provide students from other degrees relevant to the industry, like Studio Arts, Illustration/Animation, Film, Television, and Electronic Media, Computer Science, etc. with a games and interactive media specialization for their coursework, increasing their job market competitiveness.

Learning Outcome(s):

- Create art assets for various types of games and interactive media.
- Develop creative resilience by embracing failure as part of the design process.
- Listen, evaluate, and respond critically to the ideas of others.
- Assess their own design processes and effectively communicate them.
- Iterate on design ideas and work with a team to refine them.

- Develop effective habits of communication to work well in teams.
- Build and playtest game prototypes to explore key design concepts.
- Design digital and non-digital games grounded in common principles of game design.
- Demonstrate basic understanding of game literacies and game design principles.
- Build a team game following the game design production pipeline.

Requirements

Required Core: **Units:** 15.0

GD 51	HISTORY OF GAMES	3.0
GD 53	INTRODUCTION TO GAME DESIGN	3.0
GD 150 *	DIGITAL ANIMATION	3.0
GD 210	MOTION GRAPHICS	3.0
GD 61	3D ANIMATION	3.0

Total: 15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GAMES AND INTERACTIVE MEDIA - DESIGN - Certificate of Achievement

Summary

The Certificate of Achievement in Games and Interactive Media - Design prepares students for entry-level careers as artistic designers in the game design and interactive media entertainment industries, for both analog and digital environments, such as character design, environment design, prop designers, concept development, or 2D and 3D artistic directors. The program also provides coursework for professionals interested in upgrading skills and/or receiving certification in the field. Along with providing certification for professionals in the field, this certification is also meant to provide students from other degrees relevant to the industry, like Studio Arts, Illustration/Animation, Film, Television, and Electronic Media, Computer Science, etc. with a games and interactive media specialization for their coursework, increasing their job market competitiveness.

Learning Outcome(s):

- Create art assets for various types of games and interactive media.
- Develop creative resilience by embracing failure as part of the design process.
- Listen, evaluate, and respond critically to the ideas of others.
- Assess their own design processes and effectively communicate them.
- Iterate on design ideas and work with a team to refine them.
- Develop effective habits of communication to work well in teams.
- Build and playtest game prototypes to explore key design concepts.
- Design digital and non-digital games grounded in common principles of game design.
- Demonstrate basic understanding of game literacies and game design principles.
- Build a team game following the game design production pipeline.

Requirements

Required Core: **Units:** 15.0

GD 51	HISTORY OF GAMES	3.0
GD 53	INTRODUCTION TO GAME DESIGN	3.0
GD 104	PLAY STUDIES	3.0
GD 58	INTERACTIVE STORYTELLING	3.0
GD 63	EXPERIENCE DESIGN	3.0

Total: 15.0

GENDER AND SEXUALITY STUDIES - A.A. Degree

Summary

The curriculum in the Gender and Sexuality Studies program is designed to provide the transfer student with a critical understanding of how gender and sexuality as socially constructed forms of identity rooted in belief structures, historical processes, political systems and social and economic institutions interact with other systems of inequality and privilege such as race, class, ethnicity, nationality, religion, and ability to shape the lives of women, men, and non-binary persons in the United States and around the world. It offers the opportunity to achieve an Associate of Arts (AA) degree in Gender and Sexuality Studies by providing the necessary breadth in the field, an introduction to the methods used in the study of gender and sexuality, and the ability to complete both major preparatory coursework along with courses required for general education. While a baccalaureate or higher degree is recommended for those considering this major, earning an Associate degree may support entry-level positions as a staff member in human services departments, advocate for survivors of domestic violence and hate crimes; and a staff member in a women's health clinic, social service agency, or human rights organization.

Learning Outcome(s):

- Explain how gender and sexuality are socially or culturally constructed identities.
- Discuss how gender and sexuality intersect with other structures of power and privilege to shape individuals' lives.
- Articulate an interdisciplinary understanding of gender and gender dynamics.
- Explain diversity and difference in human experience based on gender, race, class, sexual orientation, nationality, religion, and ability.
- Describe key theories and concepts in the fields of women's, gender, and sexuality studies.
- Analyze social problems as they relate to gender and sexuality.
- Describe work as a gendered process and detail changes in women's paid and unpaid labor in the U.S. and globally.

Requirements

Required Core: **Units:** 9.0

Select one		3.0
GSS 10	INTRODUCTION TO GENDER AND SEXUALITY STUDIES	3.0
OR		
GSS 10H	HONORS INTRO TO GENDER AND SEXUALITY STUDIES	3.0
GSS 15	INTRODUCTION TO QUEER STUDIES	3.0
HIST 21	WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE	3.0

Restricted Electives: Select three courses **Units:** 9.0

GSS 11H	HONORS INTRODUCTION TO FEMINIST THEORY	3.0
GSS 31	GENDER AND POPULAR CULTURE	3.0
GSS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
OR		
PS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
ARTH 21	WOMEN AND ART	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
HLTH 3	WOMEN'S HEALTH ISSUES	3.0
PSYC 21	THE PSYCHOLOGY OF WOMEN	3.0
SOC 21	WOMEN IN CONTEMPORARY SOCIETY	3.0
COMM 8	GENDER COMMUNICATION	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

GENERAL AUTOMOTIVE TECHNICIAN - A.S. Degree

Summary

The General Automotive Technician Associate of Science degree provides students with knowledge of all operating systems in the modern automobile. A student that completes this degree will have a broad knowledge base to prepare them for a career in the automotive industry as an Automotive Engine Mechanical Technician (Heavy Line Technician), Automotive Engine Performance Diagnostics Technician, Automotive Suspension Technician, Automotive Alignment Technician, Automotive Brake Technician, or General Automotive Technician. Ideal for the small business owner, independent shop, or the dealership career-oriented technician. Graduates of the General Automotive Technician program will be qualified to take the related National Institute for Automotive Service Excellence (ASE) certification exams A1, A3, A4, A5 and A8.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry.
- Demonstrate auto industry specific skills.
- Demonstrate skills in automotive diagnosis, maintenance, and repair
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams.

Requirements

Required Core: **Units:** 34.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 104A *	AUTOMOTIVE ENGINES	5.0
AUTO 104B *	AUTOMOTIVE ENGINES	5.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 0.5-5.0

AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 200 *	ENHANCED AREA CLEAN AIR CAR COURSE	1.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0

AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 235 *	BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING	2.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 34.5-39.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

GENERAL AUTOMOTIVE TECHNICIAN - Certificate of Achievement

Summary

The General Automotive Technician Certificate of Achievement provides students with knowledge of all operating systems in the modern automobile. A student that completes this certificate will have a broad knowledge base to prepare them for a career in the automotive industry as an Automotive Engine Mechanical Technician (Heavy Line Technician), Automotive Engine Performance Diagnostics Technician, Automotive Suspension Technician, Automotive Alignment Technician, Automotive Brake Technician, or General Automotive Technician. Ideal for the small business owner, independent shop, or the dealership career-oriented technician. Graduates of the General Automotive Technician program will be qualified to take the related National Institute for Automotive Service Excellence (ASE) certification exams A1, A3, A4, A5 and A8.

Learning Outcome(s):

- Demonstrate skills for employment in the automotive industry.
- Demonstrate auto industry specific skills.
- Demonstrate skills in automotive diagnosis, maintenance, and repair
- Demonstrate preparation for related Automotive Service Excellence (ASE) certification exams.

Requirements

Required Core: **Units:** 34.0

AUTO 100	AUTOMOTIVE FUNDAMENTALS	3.0
AUTO 101 *	AUTOMOTIVE ELECTRICAL SYSTEMS	3.0
AUTO 102 *	AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION	3.0
AUTO 103 *	AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS	3.0
AUTO 104A *	AUTOMOTIVE ENGINES	5.0

AUTO 104B *	AUTOMOTIVE ENGINES	5.0
AUTO 105 *	AUTOMOTIVE POWER TRAIN	3.0
AUTO 106A *	AUTOMOTIVE SUSPENSION AND ALIGNMENT	3.0
AUTO 106B *	AUTOMOTIVE BRAKE SYSTEMS	3.0
AUTO 207 *	AUTOMOTIVE ENGINEERING FUNDAMENTALS	3.0

Restricted Electives: Select one course **Units:** 0.5-5.0

AUTO 107 *	AUTOMATIC TRANSMISSION	3.0
AUTO 108 *	AUTOMOTIVE AIR CONDITIONING	3.0
AUTO 109 *	CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE	5.0
AUTO 200 *	ENHANCED AREA CLEAN AIR CAR COURSE	1.0
AUTO 201 *	ADVANCED AUTOMOTIVE ELECTRICAL	3.0
AUTO 202 *	ADVANCED ENGINE PERFORMANCE DIAGNOSIS	3.0
AUTO 205 *	ADVANCED SMOG UPDATE TRAINING	0.5
AUTO 220 *	ALTERNATIVE PROPULSION SYSTEMS	3.0
AUTO 226 *	AUTOMOTIVE SERVICE CONSULTANT	2.0
AUTO 227 *	AUTOMOTIVE SERVICE MANAGEMENT	3.0
AUTO 229 *	DIESEL TECHNOLOGY	3.0
AUTO 231 *	HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY	3.0
AUTO 232 *	DIESEL SYSTEMS TECHNOLOGY	3.0
AUTO 235 *	BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING	2.0
AUTO 180WE †	AUTOMOTIVE WORK EXPERIENCE	2.0

Total: 34.5-39.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† AUTO 180WE should be taken after completing at least 9 units in the program.

GENERAL BUSINESS - Certificate of Achievement

Summary

The General Business Certificate of Achievement prepares students for entry-level positions for many industries. Students learn how businesses operate, under what influences, with what stakeholders. They learn to communicate clearly on business matters, and they develop an understanding of human relations in the workplace. Completion of this certificate with the BUS 13/BUS 13H Legal Environment and Business Law elective option provides students with the four core courses required of most of the Business Certificates of Achievement. Entry level positions that need the skills learned by students who complete this certificate include entry level office clerks, accounting assistants, production assistants, office assistants, recreation assistants, audio and video equipment assistants, billing and posting clerks, and many others across a wide range of industries.

Learning Outcome(s):

- Effectively and appropriately apply principles, planning, organization, and styles to written and oral business communications, including proper consideration of ethical, cultural, gender, and other aspects of the communication.
- Create appropriate written business documents, such as letters, memorandums, reports, proposals, requests for proposals (RFPs), instructions, employment-related documents, as well as email and other online written business communications. Use correct grammar, style, and format.
- Apply familiarity with the functions of business including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate, to business communications.
- Behave in a professional manner appropriate to organizational expectations, including getting along well with others, exercise of initiative and selfdirection and observation of laws, rules, and ethical practices.
- Apply analytical and organizational skills, including the ability to exercise judgment, manage finances and solve workplace problems, as well as ability manage time and prioritize tasks.

- Propose effective solutions to common human relations problems in an organization.

Requirements

Required Core: **Units:** 13.0-15.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0

Restricted Electives: Select one course **Units:** 3.0

BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 16	PERSONAL LAW,STREET LAW	3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 120	BUSINESS MANAGEMENT	3.0
BUS 135	MARKETING	3.0
BUS 150	INTERNATIONAL BUSINESS	3.0
BUS 160	ENTREPRENEURSHIP	3.0
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0

Total: 16.0-18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL ELECTRONIC TECHNOLOGY - A.S. Degree

Summary

The General Electronic Technology Associate of Science degree program primarily prepares the student for entry-level employment as an electronic technician in companies involved in the manufacture, testing, troubleshooting, and repair of electronics hardware. The program covers the fundamentals of electronics, including electronic components, circuits, test equipment, testing, and troubleshooting, with flexibility for the student to take some elective courses of personal interest. The degree also provides skill updating and upgrading for persons already employed in the

electronics industry or related fields. Possible careers for electronic technicians with this degree include field service technician, medical equipment technician, test and calibration technician, and electronics sales.

Learning Outcome(s):

- Identify, describe, and determine the performance of common analog and digital electronic components.
- Draw, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of and connections to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- State and demonstrate troubleshooting skills and procedures for analog and digital electronics.

Requirements

Required Core: **Units:** 12.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0

Restricted Electives (6-8 units): **Units:** 6.0-8.0

ET 118 *	ELECTRONIC COMMUNICATION SYSTEMS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0
ET 201	ROBOTICS FUNDAMENTALS	2.0
ET 202 *	INTERMEDIATE ROBOTICS	2.0
ET 250 *	MOTORS AND CONTROLS AND PROGRAMMABLE LOGIC CONTROLLERS	4.0
ET 255 *	MECHATRONICS FUNDAMENTALS	4.0
ET 180WE	ELECTRONIC TECHNOLOGY WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL ELECTRONIC TECHNOLOGY - Certificate of Achievement

Summary

The General Electronic Technology certificate program primarily prepares the student for entry-level employment as an electronic technician in companies involved in the manufacture, testing, troubleshooting, and repair of electronics hardware. The program covers the fundamentals of electronics, including electronic components, circuits, test equipment, testing, and troubleshooting, with flexibility for the student to take some elective courses of personal interest. The certificate also provides skill updating and upgrading for persons already employed in the electronics industry or related fields. Possible careers for electronic technicians with this certificate include field service technician, medical equipment technician, test and calibration technician, and electronics sales.

Learning Outcome(s):

- Identify, describe, and determine the performance of common analog and digital electronic components.
- Draw, describe, and determine the performance of common analog and digital electronic circuits.
- Demonstrate proper use of and connections to common laboratory test equipment for measuring the performance of common analog and digital circuits.
- State and demonstrate troubleshooting skills and procedures for analog and digital electronics.

Requirements

Required Core: **Units:** 12.0

ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 133	DC AND AC FUNDAMENTALS	4.0
ET 135 *	SEMICONDUCTOR DEVICES AND CIRCUITS	4.0

Restricted Electives (6-8 units): **Units:** 6.0-8.0

ET 118 *	ELECTRONIC COMMUNICATION SYSTEMS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0
ET 201	ROBOTICS FUNDAMENTALS	2.0
ET 202 *	INTERMEDIATE ROBOTICS	2.0
ET 250 *	MOTORS AND CONTROLS AND PROGRAMMABLE LOGIC CONTROLLERS	4.0
ET 255 *	MECHATRONICS FUNDAMENTALS	4.0
ET 180WE	ELECTRONIC TECHNOLOGY WORK EXPERIENCE	2.0

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL HORTICULTURE - Occupational Skills Award

Summary

The General Horticulture Occupational Skills Award primarily focuses on critical skillsets for caring for plants with sustainability in mind, such as staying away from relying on chemical applications like pesticides or synthetic fertilizers. The skills award encourages students to learn and apply sustainable plant caring methods, such as Integrated Pest Management (IPM), composting, native plants, drip irrigations, etc. This approach will have a positive impact on the larger scale of environmental issues, including water conservation, chemical free, and, less waste. Upon completion of the General Horticulture Occupational Skills award, students will be prepared for work as urban farming growing and support, nursery sales and support, native plants consulting and support, as well as organic pest management sales and support.

Learning Outcome(s):

- Understand the differences between sustainable horticulture and legacy (ornamental) one.
- Perform the practical implementation of composting.
- Apply Integrated Pest Management (IPM) over conventional pesticide applications.

Requirements

Required Core: **Units:** 10.0

HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
HORT 112	PLANT PROPAGATION	3.0
HORT 113	SOILS AND FERTILIZERS	3.0

Total: 10.0

GENERAL LANDSCAPE DESIGN - Occupational Skills Award

Summary

The General Landscape Design Occupational Skills Award encourages students to acquire a comprehensive overview of drawing, design, and construction materials used by landscape designers. Students completing our program will exhibit competency in hand drafting techniques, the ability to express landscape concepts with plant materials, and hardscape construction principles. The skills acquired will also enhance the ability of students to provide landscaping assistance to customers of retail and wholesale nurseries as well as residential landscape design industries.

Learning Outcome(s):

- Demonstrate fundamental skills in the process and techniques of landscape design.
- Demonstrate an understanding of hardscape construction materials and construction processes.
- Demonstrate the skills necessary for employment in the field of residential landscape design and construction.

Requirements

Required Core: **Units:** 9.0

HORT 7	INTRODUCTION TO LANDSCAPE DESIGN	3.0
HORT 109	INTRODUCTION TO PLANTING DESIGN	3.0
HORT 130	HARDSCAPE AND CONSTRUCTION MATERIALS FUNDAMENTALS	3.0

Total: 9.0

GENERAL STUDIES - ARTS & HUMANITIES - A.A. Degree

Summary

The General Studies Associate Degree with an area of emphasis in the Arts & Humanities provides an opportunity for students to design a program of study meaningful and appropriate to their own needs and academic interests. Students develop aesthetic understanding including an appreciation of philosophical, historical, and cultural importance and an awareness of the ways in which people responded to themselves and the world around them. This degree also seeks to examine the study of cultural, literary, humanistic activities and the artistic expression of human beings. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, pursuit of which can be achieved through transfer.

Learning Outcome(s):

- Explain the values of a culture as expressed through its art or language.
- Demonstrate skills to pursue lifelong learning in the areas of arts and humanities.
- Make connections between the fine arts and humanities to demonstrate knowledge and an appreciation of factors that influence traditions.

Requirements

Required Core: **Units:** 10.0-12.0

List A: Select one course		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
List B: Select one course		3.0
COMM C1000	Introduction to Public Speaking	3.0

COMM C1000H	Introduction to Public Speaking - Honors	3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0

List C: Select one course		3.0-5.0
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Restricted Electives: Select 6-8 units **Units:** 6.0-8.0

Arts		
ARCH 12	HISTORY OF ARCHITECTURE	3.0
ART 4	FUNDAMENTALS OF ART	3.0
ARTH 20	ART APPRECIATION	3.0
ARTH 21	WOMEN AND ART	3.0
ARTH 22	SURVEY OF ASIAN ART (INDIA, CHINA, JAPAN, AND KOREA)	3.0
ARTH 23	AFRICAN, OCEANIC, AND ANCIENT NORTH AMERICAN ART	3.0
ARTH 24	INDIGENOUS ARTS OF THE AMERICAS	3.0
ARTH 29	INTRODUCTION TO WORLD ART	3.0
ARTH 30	HISTORY OF MODERN ART 1825-1945	3.0
ARTH 32	SURVEY OF CONTEMPORARY ART	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0

CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
DANC 64	HISTORY OF DANCE	3.0
FASH 44	FASHION TRENDS AND CULTURAL COSTUMES	3.0
GD 1	HISTORY OF ANIMATION	3.0
GD 2	HISTORY OF GRAPHIC DESIGN	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
MUS 1	THE BASICS OF MUSIC	3.0
MUS 20	MUSIC APPRECIATION	3.0
MUS 23	INTRODUCTION TO WORLD MUSIC	3.0
MUS 24	MUSIC SINCE 1900	3.0
MUS 27	HISTORY OF JAZZ	3.0
MUS 28	HISTORY OF ROCK	3.0
PHOT 25	HISTORY OF PHOTOGRAPHY	3.0
TA 20	THEATRE APPRECIATION	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0
Humanities		
ARAB 1 *	ELEMENTARY ARABIC	5.0
ARAB 2 *	ELEMENTARY ARABIC	5.0
ARAB 21	INTRODUCTION TO ARABIC CULTURE	3.0
CHI 1 *	ELEMENTARY CHINESE	5.0
CHI 2 *	ELEMENTARY CHINESE	5.0
CHI 21 *	INTRODUCTION TO CHINESE CULTURE AND INFLUENCE IN THE U.S.	3.0
COMM 30	INTRODUCTION TO ORAL INTERPRETATION	3.0
COMM 32 *	INTERPRETERS' THEATRE	3.0
ENG 3	INTRODUCTION TO CREATIVE WRITING	3.0
ENG 4	FICTION FUNDAMENTALS	3.0
ENG 15A	SURVEY OF AMERICAN LITERATURE - 1620-1860	3.0
ENG 15B	SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY	3.0
ENG 17A	SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT	3.0
ENG 17B	SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT	3.0
ENG 18	SHAKESPEARE - THE TRAGEDIES	3.0
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0
ENG 24	ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US	3.0
ENG 27A	INTRODUCTION TO THE NOVEL	3.0
OR		
ENG 27AH	HONORS INTRODUCTION TO THE NOVEL	3.0
ENG 42	CHILDREN'S LITERATURE	3.0
ENG 44	CLASSICAL MYTHOLOGY	3.0
ENG 52	THE FILM AS LITERATURE	3.0
ENGL C1002 *	Introduction to Literature	3.0
OR		

ENGL C1002H *	Introduction to Literature - Honors	3.0
FR 1 *	ELEMENTARY FRENCH	5.0
FR 2 *	ELEMENTARY FRENCH	5.0
FR 3 *	INTERMEDIATE FRENCH	5.0
FR 4 *	INTERMEDIATE FRENCH	5.0
GER 1 *	ELEMENTARY GERMAN	5.0
GER 2 *	ELEMENTARY GERMAN	5.0
GER 3 *	INTERMEDIATE GERMAN	5.0
GER 4 *	INTERMEDIATE GERMAN	5.0
HEBR 1 *	ELEMENTARY HEBREW	5.0
HEBR 2 *	ELEMENTARY HEBREW	5.0
HIST 4	WORLD HISTORY TO 1500	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0
HON 11H *	HONORS CULTURE, SCIENCE, SOCIETY - RENAISSANCE	3.0
HON 12H *	HONORS CULTURE, SCIENCE, SOCIETY - THE POSTMODERN WORLD	3.0
HON 13H *	HONORS CULTURE, SCIENCE, SOCIETY - POWER, RESISTANCE, EMPIRE	3.0
HON 14H *	HONORS CULTURE, SCIENCE, SOCIETY - TRANSFORMATION OF EMPIRE	3.0
HORT 15	HISTORY OF LANDSCAPE DESIGN	3.0
HUM 1	INTRODUCTION TO HUMANITIES	3.0
HUM 21	THE SEARCH FOR MEANING - IDEAS OF SELF ACROSS CULTURES	3.0
HUM 25	PLANET EARTH - CONTEMPORARY ISSUES AND CONTROVERSIES	3.0
ITA 1 *	ELEMENTARY ITALIAN	5.0
ITA 2 *	ELEMENTARY ITALIAN	5.0
ITA 21 *	INTRODUCTION TO ITALIAN CULTURE	3.0
JA 1 *	ELEMENTARY JAPANESE	5.0
JA 2 *	ELEMENTARY JAPANESE	5.0
JA 21 *	INTRODUCTION TO JAPANESE CULTURE	3.0
KOR 1 *	ELEMENTARY KOREAN	5.0
KOR 2 *	ELEMENTARY KOREAN	5.0
KOR 21 *	INTRODUCTION TO KOREAN CULTURE	3.0
PHIL 1	INTRODUCTION TO PHILOSOPHY	3.0
OR		
PHIL 1H	HONORS INTRODUCTION TO PHILOSOPHY	3.0
PHIL 10	WORLD RELIGIONS	3.0
PHIL 15	INTRODUCTION TO ETHICS	3.0
PRSN 1 *	ELEMENTARY PERSIAN	5.0
PRSN 2 *	ELEMENTARY PERSIAN	5.0
PRSN 3 *	INTERMEDIATE PERSIAN	5.0
PRSN 4 *	INTERMEDIATE PERSIAN	5.0
SL 1 *	AMERICAN SIGN LANGUAGE I	4.0
SL 2 *	AMERICAN SIGN LANGUAGE II	4.0
SL 3 *	AMERICAN SIGN LANGUAGE III	4.0
SL 4 *	AMERICAN SIGN LANGUAGE IV	4.0
SPAN 1 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 1H *	HONORS ELEMENTARY SPANISH	5.0
SPAN 2 *	ELEMENTARY SPANISH	5.0

OR		
SPAN 2H *	HONORS ELEMENTARY SPANISH	5.0
SPAN 3 *	INTERMEDIATE SPANISH	5.0
SPAN 4 *	INTERMEDIATE SPANISH	5.0
SPAN 6 *	INTERMEDIATE SPANISH GRAMMAR AND COMPOSITION	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL STUDIES - INTERDISCIPLINARY STUDIES - A.A. Degree

Summary

The General Studies Associate Degree with an area of emphasis in Interdisciplinary Studies provides an opportunity for students to design a program of study meaningful and appropriate to their own needs and academic interests. This degree, which is multidisciplinary in nature, covers a broad range of practical and relevant subjects necessary for developing a breadth of understanding of learning and society. Students will become equipped to succeed in their personal and professional lives. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, pursuit of which can be achieved through transfer.

Learning Outcome(s):

- Demonstrate effective expository and persuasive writing skills.
- Deliver informative and persuasive speeches.
- Develop a reasoned solution to a problem.
- Make connections and demonstrate skills in the areas of lifelong learning, self-development, and personal growth.
- Increase their exposure to a broad range of skills, experiences, and knowledge.

Requirements

Required Core: **Units:** 10.0-12.0

List A: Select one course		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
List B: Select one course		3.0
COMM C1000	Introduction to Public Speaking	3.0

COMM C1000H	Introduction to Public Speaking - Honors	3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0

List C: Select one course		3.0-5.0
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Restricted Electives (6-9 units): **Units:** 6.0-9.0

BUS 16	PERSONAL LAW,STREET LAW	3.0
COMM 2 *	PERSUASION	3.0
COMM 3	ARGUMENTATION AND DEBATE	3.0
COMM C1004	Interpersonal Communication	3.0
COUN 40	COLLEGE AND CAREER SUCCESS	3.0
COUN 51	HUMAN RELATIONSHIPS	3.0
COUN 60	CAREER EXPLORATION	3.0
COUN 61	LEARNING AND STUDY TECHNIQUES	1.5
FASH 141	APPAREL SELECTION	3.0
FCS 115	CONSUMER ISSUES	3.0
FCS 142	LIFE MANAGEMENT	3.0
HIST C1001	United States History to 1877	3.0
HIST C1002	United States History since 1865	3.0
HIST 22	SURVEY OF UNITED STATES HISTORY	3.0

HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
HSC 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
OR		
KNEA 151	INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION	3.0
INTS 180WE	GENERAL WORK EXPERIENCE	2.0-3.0
N 161	LIFECYCLE 2, GROWTH AND DEVELOPMENT	1.5
N 165	LIFECYCLE 1, FUNDAMENTALS OF AGING	1.5
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
NUTR 64	NUTRITION ISSUES AND CONTROVERSIES	3.0
PHIL 12	INTRODUCTION TO LOGIC	3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL STUDIES - NATURAL SCIENCES - A.A. Degree

Summary

The General Studies Associate Degree with an area of emphasis in the Natural Sciences provides an opportunity for students to design a program of study meaningful and appropriate to their own needs and academic interests. Students will develop an appreciation and understanding of the scientific method and an understanding of the relationships between science and other human activities. This degree, which is multidisciplinary in nature, provides a broad foundation in the natural sciences and seeks to examine the physical universe, its life forms and its natural phenomena. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, pursuit of which can be achieved through transfer.

Learning Outcome(s):

- Develop a reasoned solution to a problem.
- Demonstrate the ability to use the attained knowledge foundation to illustrate concepts and compare examples.
- Apply scientific method to solve practical problems in the sciences.

Requirements

Required Core: **Units:** 10.0-12.0

List A: Select one course	4.0

ENGL C1000 *	Academic Reading and Writing	4.0
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
List B: Select one course		3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
List C: Select one course		3.0-5.0
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
BUS 10 *	BUSINESS STATISTICS	3.0
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Restricted Electives: Select 6-8 units **Units:** 6.0-8.0

ANTH C1001	Introduction to Biological Anthropology	3.0
OR		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3.0
AND		
ANTH C1001L *	Biological Anthropology Lab	1.0
ASTR C1001	Introduction to Astronomy	3.0
ASTR 25 *	OBSERVATIONAL ASTRONOMY	3.0
BIO 4A *	PRINCIPLES OF CELLULAR BIOLOGY	4.0
BIO 4B *	PRINCIPLES OF ORGANISMAL BIOLOGY	4.0
BIO 11 *	HUMAN ANATOMY	4.0

BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 19 *	MARINE BIOLOGY	4.0
BIOL C1000	Introduction to Biology with Lab	4.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
CHEM 3 *	FUNDAMENTAL CHEMISTRY	4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
CHEM 106 *	BASICS OF CHEMISTRY	2.0
ENV 18	INTRODUCTION TO ECOLOGY	4.0
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
ENV 24	NATURAL HISTORY OF CALIFORNIA	4.0
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
AND		
GEOG 1L *	PHYSICAL GEOGRAPHY LABORATORY	1.0
GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0
GEOL 23	ENVIRONMENTAL GEOLOGY	4.0
OR		
ENV 23	ENVIRONMENTAL GEOLOGY	4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
MS 4	SOUTHERN CALIFORNIA COASTAL ECOLOGY	4.0
MS 20	INTRODUCTION TO OCEANOGRAPHY	4.0
PHYS 2A *	INTRODUCTION TO PHYSICS	5.0
PHYS 4A *	GENERAL PHYSICS	5.0
PHYS 20	THE IDEAS AND EVENTS OF PHYSICS	4.0
PHYS 30 *	PHYSICS AND CHEMISTRY FOR ELEMENTARY EDUCATORS	4.0
PSYC 3 *	BIOLOGICAL PSYCHOLOGY	4.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GENERAL STUDIES-SOCIAL & BEHAVIORAL SCIENCES - A.A. Degree

Summary

The General Studies Associate Degree with an emphasis in the Social & Behavioral Sciences provides an opportunity for students to design a program of study meaningful and appropriate to their own needs and academic interests. The degree, which is multidisciplinary in nature, seeks to provide an understanding of the interrelationships, principles and methodologies of its many subject areas and to provide a broad understanding of the diverse social and cultural world in which we live. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, pursuit of which can be achieved through transfer.

Learning Outcome(s):

- Evaluate the methods of inquiry and evidence used in the behavioral and social sciences.
- Apply the principles of the social and behavioral sciences to the diverse world in which we live.
- Compare and contrast the major theoretical perspectives in the social and behavioral sciences.

Requirements

Required Core: **Units:** 10.0-12.0

List A: Select one course		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
List B: Select one course		3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 2 *	ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
List C: Select one course		3.0-5.0
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
OR		
CS 30A *	COMPUTER DISCRETE MATHEMATICS I	3.0
MATH 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
OR		
CS 30B *	COMPUTER DISCRETE MATHEMATICS II	3.0
MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
STAT C1000 *	Introduction to Statistics	3.0

OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Restricted Electives: Complete 6-9 units **Units:** 6.0-9.0

Select one		
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
ANTH 3 *	CULTURE AND LANGUAGE	3.0
Select one		
ANTH 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ES 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
ANTH 5	ANTHROPOLOGY OF LATIN AMERICA - CULTURE, IDENTITY, AND POWER	3.0
ANTH 8	WORLD PREHISTORY	3.0
ANTH 9	INTRODUCTION TO ARCHAEOLOGY	3.0
CDEV C1000	Child Growth and Development	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
Select one		
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
Select one		
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
Select one		
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
ES 1	INTRODUCTION TO ETHNIC STUDIES	3.0
ES 3	INTRODUCTION TO CHICANX AND LATINX STUDIES	3.0
Select one		

ES 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
OR		
ANTH 4	INTRODUCTION TO NATIVE AMERICAN STUDIES	3.0
Select one		
ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
OR		
ENV 1H	HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
Select one		
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0
Select one		
GSS 10	INTRODUCTION TO GENDER AND SEXUALITY STUDIES	3.0
OR		
GSS 10H	HONORS INTRO TO GENDER AND SEXUALITY STUDIES	3.0
HIST 12	REVOLUTIONS AND REVOLTS	3.0
HIST C1001	United States History to 1877	3.0
HIST C1002	United States History since 1865	3.0
HIST 19	UNITED STATES SINCE 1945	3.0
HIST 21	WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE	3.0
HIST 22	SURVEY OF UNITED STATES HISTORY	3.0
HIST 27	LATIN AMERICA - PRE-EUROPEAN TO INDEPENDENT NATIONHOOD	3.0
HIST 28	LATIN AMERICA - 1800 TO THE PRESENT	3.0
HIST 30	HISTORY OF MEXICO	3.0
Select one		
HIST 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
OR		
ES 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
HIST 62	EUROPEAN HISTORY TO 1650	3.0
HIST 63	EUROPEAN HISTORY SINCE 1650	3.0
HIST 70	HISTORY OF ASIA TO 1800	3.0
HIST 71	HISTORY OF ASIA SINCE 1800	3.0
HIST 72	HISTORY OF CHINA	3.0
HIST 74	HISTORY OF THE MIDDLE EAST TO 1800	3.0
HIST 75	HISTORY OF THE MODERN MIDDLE EAST	3.0
Select one		
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
Select one		
HIST 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
OR		
ES 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
Select one		
POLS C1000	American Government and Politics	3.0

OR		
POLS C1000H	American Government and Politics - Honors	3.0
PS 4	INTRODUCTION TO POLITICAL SCIENCE	3.0
Select one		
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
PS 12	COMPARATIVE POLITICS AND GOVERNMENT	3.0
PS 14	INTERNATIONAL RELATIONS	3.0
Select one		
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
Select one		
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
PSYC 4	INTRODUCTION TO COGNITIVE PSYCHOLOGY	3.0
PSYC 5 *	PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY	3.0
PSYC 7 *	DEVELOPMENTAL PSYCHOLOGY - CHILDHOOD THROUGH ADOLESCENCE	3.0
PSYC 16 *	INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY	3.0
PSYC 21	THE PSYCHOLOGY OF WOMEN	3.0
Select one		
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0
PSYC 37 *	ABNORMAL BEHAVIOR	3.0
Select one		
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
Select one		
SOC 2	SOCIAL PROBLEMS	3.0
OR		
SOC 2H	HONORS SOCIAL PROBLEMS	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
SOC 15 *	SOCIALIZATION OF THE CHILD	3.0
SOC 21	WOMEN IN CONTEMPORARY SOCIETY	3.0
SOC 25	SOCIAL STRATIFICATION	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GEOGRAPHY - A.A. Degree

Summary

The curriculum in the Geography Associate of Arts degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment and promotion while preparing students for transfer to a CSU, UC, or other four-year institution in pursuit of a baccalaureate degree in Geography.

Learning Outcome(s):

- Demonstrate map literacy.
- Identify and describe a location (place) based on characteristics that distinguish them from other places on earth.
- Identify and describe movement of geographic phenomena.

Requirements

Required Core: **Units:** 10.0

Select one		3.0
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
Complete		1.0
GEOG 1L *	PHYSICAL GEOGRAPHY LABORATORY	1.0
Select one		3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
Complete		3.0
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0

Restricted Electives (9-10 units): **Units:** 9.0-10.0

ANTH C1001	Introduction to Biological Anthropology	3.0
OR		
ANTH C1001H	Introduction to Biological Anthropology - Honors	3.0
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0

GEOG 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
OR		
ES 11	ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE	3.0
GEOG 38	CALIFORNIA GEOGRAPHY	3.0
GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GLST 1 *	INTRODUCTION TO GLOBAL STUDIES	3.0
GLST 2 *	GLOBAL ISSUES	3.0
HIST 4	WORLD HISTORY TO 1500	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0
HIST 32	CALIFORNIA HISTORY	3.0
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0
PS 14	INTERNATIONAL RELATIONS	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GEOGRAPHY - AA-T Degree

Summary

The curriculum in the Geography program is designed to provide the transfer student the opportunity to achieve an Associate in Arts in Geography for Transfer by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education. Students who complete the Associate in Arts Degree in Geography for Transfer receive priority admission to the California State University system, though admission to a specific campus or major is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate spatial literacy.
- Identify and describe a location (place) based on characteristics that distinguish them from other places on earth.
- Identify and describe movement of geographic phenomena.

Requirements

Required Core: **Units:** 7.0

Select one		3.0
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
AND		
GEOG 1L *	PHYSICAL GEOGRAPHY LABORATORY	1.0
Select one		3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
OR		
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0

List A: Complete the course below and any Core course not already used **Units:** 6.0

GEOG 38	CALIFORNIA GEOGRAPHY	3.0
AND		
Select one		3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
OR		
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0

List B: Select two courses **Units:** 6.0-9.0

GIS 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
OR		
GEOG 110	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)	2.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
GEOL 20	INTRODUCTION TO EARTH SCIENCE	4.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
ANTH 2	CULTURAL ANTHROPOLOGY	3.0

OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0

Total: 19.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GEOLOGY - AS-T Degree

Summary

The curriculum in the Geology program is designed to provide the transfer student the opportunity to achieve an Associate in Science in Geology for Transfer degree by providing the necessary background in quantitative reasoning as well as physical and earth sciences. This background should provide students with the tools to successfully complete a bachelor's degree in Earth Science, Geology, or Geophysics.

Students who complete the Associate in Science Degree in Geology for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Recognize and explain the role of fundamental geologic principles, such as plate tectonic theory and deep time, in the interpretation of observed geologic phenomena.
- Research, evaluate, and cite scientific information in order to formulate coherent summaries of earth processes.
- Define the scientific method and apply it to observed geologic phenomena.
- Interpret geologic processes using underlying chemical properties and physical laws.

Requirements

Required Core: **Units:** 28.0

GEOL 1	INTRODUCTION TO PHYSICAL GEOLOGY	4.0
GEOL 2 *	HISTORICAL GEOLOGY	4.0
Select both		10.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
AND		
CHEM 1B *	GENERAL CHEMISTRY	5.0
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Complete		5.0

MATH C2220 *	Calculus II: Early Transcendentals	5.0

Total: 28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GERIATRIC NUTRITION - Certificate of Achievement

Summary

The Geriatric Nutrition certificate will educate individuals seeking a career in nutrition with an emphasis on working with older adults. Nutrition is of paramount importance in the prevention, mitigation and sometimes treatment of many acute and chronic diseases and is critical in living a longer, healthier life. Students will be trained to apply dietary recommendations and current nutrition research to optimize the health of older adults; identify common deficiencies in the diets of older people that may be contributing to their ailments; and plan balanced, culturally- and economically-appropriate diets tailored to their unique health needs and lifestyles.

The certificate will prepare students for a variety of entry-level positions in senior care facilities, medical centers, home health care agencies, and retirement communities. The certificate can also be utilized to help professionals in current positions that require more focus on the older adult population such as in healthcare occupations, health and human services, government agencies, mental health programs, and fitness and wellness programs.

Learning Outcome(s):

- Identify components of a healthy diet and lifestyle that contribute to optimal health, longevity and quality of life in aging individuals.
- Assess an individual older adult's nutritional status and make appropriate dietary recommendations.
- Analyze credible research on individual nutrient needs, supplements and diets specific to older adults.

Requirements

Required Core: **Units:** 12.0

NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
SOC 18	INTRODUCTION TO AGING	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0

Total: 12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GERMAN - A.A. Degree

Summary

The curriculum in the German program is designed to provide the student the opportunity to achieve an Associate of Arts in German degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree in German will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A German degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the German program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in German degree.

Learning Outcome(s):

- Accurately interpret written sections in German.
- Accurately interpret spoken language in German.
- Demonstrate proficient conversational skills in German.
- Demonstrate knowledge of the history, politics, literature, culture and arts of the German speaking countries as well as people who speak German.

Requirements

Required Core: **Units:** 23.0

GER 1 *	ELEMENTARY GERMAN	5.0
GER 2 *	ELEMENTARY GERMAN	5.0
GER 3 *	INTERMEDIATE GERMAN	5.0
GER 4 *	INTERMEDIATE GERMAN	5.0
GER 21	INTRODUCTION TO GERMAN CULTURE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GLOBAL BUSINESS - A.S. Degree

Summary

Technology and international commerce have redefined business in a global context. The Global Business program prepares students for careers in international business and in industries that deal with international trade and global markets. The program focuses on the dynamics of international organization, environments, trade, language, socioeconomic and cultural forces, political and legal issues, import/export processes and regulations, and emerging global markets. Completion of the recommended electives demonstrates global competencies in international business. Elective courses provide specialized areas of study. Occupations supported by this program include import/export clerks and managers; transportation, shipping, receiving, and distribution clerks and specialists; product inspectors; market researchers; marketing assistants, planners, and managers; traffic technicians; customs workers; and other global business-related workers.

Learning Outcome(s):

- Describe global business concepts, principles, and development of successful global business strategies.
- Describe the various methods of exporting and importing and evaluate the advantages and disadvantages of each method.
- Explain the role of international business in the US and world economies.
- Research international markets and use in export and import planning and marketing decision making.
- Participate in the marketing and distribution of goods internationally.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of international businesses

- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Communicate effectively with people from various cultures in various business contexts.
- Perform mathematical functions used in business.

Requirements

Required Core: **Units:** 32.0-34.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
BUS 150	INTERNATIONAL BUSINESS	3.0
Select one		3.0
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 205	BUSINESS MATH	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
BUS 260	SURVEY OF EXPORTING AND IMPORTING	3.0

Restricted Electives (6 units): **Units:** 6.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 160	ENTREPRENEURSHIP	3.0

BUS 109 *	E-COMMERCE MARKETING	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 226	WAREHOUSE AND INVENTORY MANAGEMENT	3.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
BUS 230	CUSTOMER SERVICE AND ORDER FULFILLMENT	1.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 38.0-40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GLOBAL BUSINESS - Certificate of Achievement

Summary

Technology and international commerce have redefined business in a global context. The Global Business program prepares students for careers in international business and in industries that deal with international trade and global markets. The program focuses on the dynamics of international organization, environments, trade, language, socioeconomic and cultural forces, political and legal issues, import/export processes and regulations, and emerging global markets. Students will develop competencies in international logistics and supply chain management.

Learning Outcome(s):

- Describe global business concepts, principles, and development of successful global business strategies.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of International businesses.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Create a plan for setting up an export or an import business.
- Create an import or export distribution or logistics plan.

Requirements

Required Core: **Units:** 22.0-24.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0

BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 150	INTERNATIONAL BUSINESS	3.0
Select one		3.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
OR		
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
BUS 260	SURVEY OF EXPORTING AND IMPORTING	3.0

Total: 22.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GLOBAL STUDIES - AA-T Degree

Summary

Global Studies is an interdisciplinary program designed to enhance student knowledge and understanding of global processes and their implications for societies, markets, governments, cultures, and environments around the world. The program also introduces students to the study of global issues and perspectives while providing the methodological tools and techniques necessary to analyze them at multiple (local, regional, and international) levels. An understanding of the world's social, economic, political, cultural, and natural systems and their growing interdependence will not only enable students to think globally, but prepare them to live, work, and participate in an increasingly globalized world as well. The goal of the Global Studies Program at Saddleback College is to prepare students for further work in international studies and world affairs through the study of other cultures, social, economic, and political systems, world history and geography. The program is designed to encourage students to think beyond local perspectives and to think globally. Students will learn how to relate their knowledge of a particular part of the world to be larger trends and issues that affect the international community as a whole. Students who earn an associate degree this degree transfer as Global Studies majors or into other related majors such as International Relations, Geography, or Political Science.

Students who complete the Associate in Arts in Global Studies for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).

b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or "P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Learn contents and methods of global studies, across the fields of business/economics, history/politics, geography/environment, and society/culture.
- Learn skills essential to professional success, such as managing empirical information, writing syntheses, and composing oral and written papers based on evidence.
- Move beyond information and skills to achieve true professional understanding, emphasizing the interconnected character of human and environmental problems on a global scale and how multidisciplinary approaches must be used to solve them.

Requirements

Required Core: **Units:** 6.0

GLST 1 *	INTRODUCTION TO GLOBAL STUDIES	3.0
GLST 2 *	GLOBAL ISSUES	3.0

List A: Select five courses from at least four of the following areas **Units:** 15.0

Area 1: Culture and Society		
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0
Area 2: Geography		
GEOG 1	PHYSICAL GEOGRAPHY	3.0
OR		
GEOG 1H	HONORS PHYSICAL GEOGRAPHY	3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
OR		
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
GEOG 3	WORLD REGIONAL GEOGRAPHY	3.0
Area 3: Economics		
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
Area 4: Politics		
PS 12	COMPARATIVE POLITICS AND GOVERNMENT	3.0
PS 14	INTERNATIONAL RELATIONS	3.0

Area 5: Humanities		
ENG 21A	WORLD LITERATURE - ANCIENT TO 17TH CENTURY	3.0
ENG 21B	WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD	3.0

Total: 21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GRAPHIC COMMUNICATIONS - A.S. Degree

Summary

The Graphic Communications Associate of Science degree program includes traditional and digital printing and applications, linking design and technology. Coursework prepares students for entry-level employment typically found in the graphic communications field, including digital and traditional printing and prepress technician, designer, surface designer, textile and clothing printing including silk screen and sublimation, textile designer, printing press operator, and related print and digital media. The discipline focuses on creation, production, and reproduction, in printed and digital form. The program also provides coursework for professionals interested in upgrading skills and receiving an associate degree in the field.

Learning Outcome(s):

- Use fundamental traditional and digital design, production, and reproduction skills for commercial graphic communication and new media.
- Select and use appropriate production software and hardware technology.
- Demonstrate skills typically found in the commercial traditional and digital print and media industry.

Requirements

Required Core: **Units:** 30.0

Select one		3.0
GC 63	INTRODUCTION TO SCREEN PRINTING	3.0
OR		
ART 63	INTRODUCTION TO SCREEN PRINTING	3.0
GC 101	INTRODUCTION TO GRAPHIC COMMUNICATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 44	TYPOGRAPHY	3.0
GC 106 *	ADVANCED SCREEN PRINTING	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
GD 154 *	DIGITAL PRE-PRESS	3.0
GC 195 *	GRAPHICS STUDIO	3.0
GD 160 *	PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0
GC 215	INTRODUCTION TO VEHICLE WRAP DESIGN AND APPLICATION	1.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 30.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GRAPHIC COMMUNICATIONS - Certificate of Achievement

Summary

The Graphic Communications Certificate of Achievement program includes traditional and digital printing and applications, linking design and technology. Coursework prepares students for entry-level employment typically found in the graphic communications field, including digital and traditional printing and prepress technician, designer, surface designer, textile and clothing printing including silk screen and sublimation, textile designer, printing press operator, and related print and digital media. The discipline focuses on creation, production, and reproduction, in printed and digital form. The program also provides coursework for professionals interested in upgrading skills and/or receiving certification in the field.

Learning Outcome(s):

- Use fundamental traditional and digital design, production, and reproduction skills for commercial graphic communication and new media.
- Select and use appropriate production software and hardware technology.
- Demonstrate skills typically found in the commercial traditional and digital print and media industry.

Requirements

Required Core: **Units:** 30.0

Select one		3.0
GC 63	INTRODUCTION TO SCREEN PRINTING	3.0
OR		
ART 63	INTRODUCTION TO SCREEN PRINTING	3.0
GC 101	INTRODUCTION TO GRAPHIC COMMUNICATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 44	TYPOGRAPHY	3.0
GC 106 *	ADVANCED SCREEN PRINTING	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
GD 154 *	DIGITAL PRE-PRESS	3.0
GC 195 *	GRAPHICS STUDIO	3.0
GD 160 *	PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0
GC 215	INTRODUCTION TO VEHICLE WRAP DESIGN AND APPLICATION	1.0

Total: 30.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GRAPHIC DESIGN - A.S. Degree

Summary

The Associate of Science in Graphic Design program prepares students for entry-level careers in the graphic design field, such as graphic designer, production artist, package designer, or product designer. The program also provides

coursework for professionals interested in upgrading skills and/or receiving certification in the field. The study encompasses all phases of the design processes from origination of the idea (design, layout, and typography) through reproduction, finishing and distribution.

Learning Outcome(s):

- Use fundamental design skills
- Select and use appropriate graphic design software
- Demonstrate skills typically found in the graphic design field

Requirements

Required Core: **Units:** 35.0

GD 2	HISTORY OF GRAPHIC DESIGN	3.0
Select one		3.0
GD 20	BEGINNING GRAPHIC DESIGN	3.0
OR		
ART 20	BEGINNING GRAPHIC DESIGN	3.0
Select one		3.0
GD 142	PACKAGE DESIGN	3.0
OR		
ART 142	PACKAGE DESIGN	3.0
GD 44	TYPOGRAPHY	3.0
Select one		3.0
GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 154 *	DIGITAL PRE-PRESS	3.0
GD 160 *	PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS	3.0
GD 200	PHOTOSHOP SKILLS FOR GRAPHIC DESIGNERS	3.0
Select one		3.0
GD 240 *	INTERMEDIATE GRAPHIC DESIGN	3.0
OR		
ART 240 *	INTERMEDIATE GRAPHIC DESIGN	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree

Total: 35.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

GRAPHIC DESIGN - Certificate of Achievement

Summary

The Certificate of Achievement in Graphic Design program prepares students for entry-level careers typically found in the graphic design field, such as graphic designer, production artist, package designer, or product designer. The program also provides coursework for professionals interested in upgrading skills and/or receiving certification in the field. The study encompasses all phases of the design processes from origination of the idea (design, layout, and typography) through reproduction, finishing and distribution.

Learning Outcome(s):

- Use fundamental design skills
- Select and use appropriate graphic design software
- Demonstrate skills typically found in the graphic design field

Requirements

Required Core: **Units:** 35.0

GD 2	HISTORY OF GRAPHIC DESIGN	3.0
Select one		3.0
GD 20	BEGINNING GRAPHIC DESIGN	3.0
OR		
ART 20	BEGINNING GRAPHIC DESIGN	3.0
Select one		3.0
GD 142	PACKAGE DESIGN	3.0
OR		
ART 142	PACKAGE DESIGN	3.0
GD 44	TYPOGRAPHY	3.0
Select one		3.0
GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 154 *	DIGITAL PRE-PRESS	3.0
GD 160 *	PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS	3.0
GD 200	PHOTOSHOP SKILLS FOR GRAPHIC DESIGNERS	3.0
Select one		3.0
GD 240 *	INTERMEDIATE GRAPHIC DESIGN	3.0
OR		
ART 240 *	INTERMEDIATE GRAPHIC DESIGN	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Total: 35.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HEALTH SCIENCES - A.S. Degree

Summary

The Health Sciences Associate Degree program is designed to provide students the opportunity to explore their interest in health, health care and related fields through a variety of classes. The program may lead to a range of general health employment opportunities with additional education/certification for occupations such as Nursing Assistants, Home Health Aides or Medical Assistants. This associate degree is an initial educational step that may support attempts to gain entry-level employment or promotion. A baccalaureate or higher degree is recommended for those considering professional careers such as Health Sciences, Health Care Management/Administration, Public Health, and other pre-professional Allied Health Programs.

Courses identified within the "Required Core" may have limitations on enrollments depicted by an asterisk symbol (*). It is strongly advised that students reference the course descriptions in the Saddleback College catalog or consult with a counselor for assistance in outlining an educational plan to achieve this degree.

This program is not the Associate Degree in Nursing and does not meet the State Board of Registered Nursing requirements for licensure in the State of California. Students interested in achieving a degree in Nursing should see Registered Nurse Associate in Science.

Learning Outcome(s):

- Recognize and define the terminology of various health sciences.
- Differentiate between various health science fields and related majors.
- Demonstrate scientific and critical thinking skills related to the field of health science.

Requirements

Required Core: Complete 18 units from the following **Units:** 18.0

BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIOL C1000	Introduction to Biology with Lab	4.0
CHEM 3 *	FUNDAMENTAL CHEMISTRY	4.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
Select both		12.0
EMT 207 *	EMERGENCY MEDICAL TECHNICIAN PROCEDURES	11.0
AND		
EMT 207C *	EMERGENCY MEDICAL TECHNICIAN CLINICAL OBSERVATION	1.0
EMT 210 *	EMERGENCY MEDICAL TECHNICIAN REFRESHER COURSE	1.5
EMT 219 *	PARAMEDIC PREPARATION	4.0
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
HLTH 2	FIRST AID, CPR, AND AUTOMATED EXTERNAL DEFIBRILLATOR	1.5
HLTH 3	WOMEN'S HEALTH ISSUES	3.0
HSC 104	MEDICAL TERMINOLOGY	3.0
HSC 217	CARDIAC DYSRHYTHMIAS	2.0
HSC 226 *	ADVANCED CARDIAC LIFE SUPPORT	2.0
HSC 227 *	PEDIATRIC ADVANCED LIFE SUPPORT	2.0
HSC 228	CALCULATIONS FOR MEDICATION ADMINISTRATION	1.0
HSC 291	MANAGEMENT OF AGGRESSIVE BEHAVIOR IN HEALTHCARE SETTINGS	0.5
KNEA 180WE *	PRE-THERAPY WORK EXPERIENCE	2.0
MA 206	INTRODUCTION TO MEDICAL ASSISTING	3.0
MA 211B	PHYSICAL-EXAMINATION PROCEDURES	3.0
MA 212B	MEDICAL OFFICE LABORATORY PROCEDURES	3.0
MA 213B *	MEDICAL ASEPSIS AND SURGICAL PROCEDURES	3.0
MA 214B	MEDICATION ADMINISTRATION PROCEDURES	3.0
MA 218B	ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT	3.0

MLT 210	INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION	1.0
MLT 211 *	BASIC LABORATORY PROCEDURES	1.0
N 160 *	PHARMACOLOGY FOR NURSING	3.0
N 161	LIFECYCLE 2, GROWTH AND DEVELOPMENT	1.5
N 204	BEGINNING NURSING CONCEPTS	2.0
N 212	LABORATORY VALUES, INTERPRETATION AND APPLICATION	1.5
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0
PHIT 100 *	HEALTH INFORMATION SCIENCE	2.0
PHIT 111 *	INTRODUCTION TO HEALTH INFORMATICS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HISTORY - A.A. Degree

Summary

The curriculum in the History program is designed to provide the transfer student with an understanding of the diversity of the human experience and the historical processes that have shaped individuals and communities throughout the world. It fosters critical thinking and the opportunity to achieve an Associate of Arts (AA) degree in History by providing the necessary breadth in the field, an introduction to the methods used in the study of history, and the ability to complete both major preparatory coursework along with courses required for general education. While a baccalaureate or higher degree in History or other social science fields is recommended for those considering this major, earning an Associate degree may support entry-level positions in Museum and Historical Organizations, Cultural Resources Centers, or work as Legislative Support Staff Workers.

Learning Outcome(s):

- Understand the diversity of the human experience as influenced by geographical location, race, ethnicity, cultural traditions, gender and class.
- Analyze historical processes that shape individuals and communities, drawing on detailed knowledge about the history of the area under study.
- Think critically about the varieties of experience found in the historical record of the United States, exploring diversity as a critical component of history.
- Distinguish between primary and secondary sources, and understand how each is used to make historical arguments.
- Assess, use, and synthesize different kinds of evidence from a variety of historical sources to make a coherent argument about the past.
- Effectively conduct research and write a coherent historical essay or research paper that articulates a clear argument, effectively interprets multiple forms of evidence, identifies arguments in secondary historical texts, and uses appropriate citations.
- Explain and analyze a key historical event or process in the area and during the period under study.

- Understand the difference between opinions and substantiated scholarly claims.

Requirements

Required Core: **Units:** 12.0

HIST 4	WORLD HISTORY TO 1500	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0
HIST C1001	United States History to 1877	3.0
HIST C1002	United States History since 1865	3.0

Restricted Electives: Select two courses **Units:** 6.0-7.0

HIST 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
OR		
ES 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
HIST 11	PERSPECTIVES OF PEACE STUDIES	3.0
HIST 12	REVOLUTIONS AND REVOLTS	3.0
HIST 15	THE VIETNAM WAR	3.0
HIST 19	UNITED STATES SINCE 1945	3.0
HIST 21	WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE	3.0
HIST 22	SURVEY OF UNITED STATES HISTORY	3.0
HIST 27	LATIN AMERICA - PRE-EUROPEAN TO INDEPENDENT NATIONHOOD	3.0
HIST 28	LATIN AMERICA - 1800 TO THE PRESENT	3.0
HIST 30	HISTORY OF MEXICO	3.0
HIST 32	CALIFORNIA HISTORY	3.0
HIST 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
OR		
ES 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
HIST 62	EUROPEAN HISTORY TO 1650	3.0
HIST 63	EUROPEAN HISTORY SINCE 1650	3.0
HIST 70	HISTORY OF ASIA TO 1800	3.0
HIST 71	HISTORY OF ASIA SINCE 1800	3.0
HIST 72	HISTORY OF CHINA	3.0
HIST 74	HISTORY OF THE MIDDLE EAST TO 1800	3.0
HIST 75	HISTORY OF THE MODERN MIDDLE EAST	3.0
HIST 78	HISTORY OF JAPAN	3.0
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
HIST 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
OR		
ES 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
HIST 99	ENGAGING WITH HISTORY AND HISTORICAL METHODS	4.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

HISTORY - AA-T Degree

Summary

The curriculum in the History program is designed to provide the transfer student the opportunity to achieve an Associate in Arts for Transfer (AA-T) degree in History by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education. Students who complete the Associate in Arts in History for Transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Understand the diversity of the human experience as influenced by geographical location, race, ethnicity, cultural traditions, gender and class.
- Analyze historical processes that shape individuals and communities, drawing on detailed knowledge about the history of the area under study.
- Think critically about the varieties of experience found in the historical record of the United States, exploring diversity as a critical component of history.
- Distinguish between primary and secondary sources, and understand how each are used to make historical arguments.
- Assess, use, and synthesize different kinds of evidence from a variety of historical sources to make a coherent argument about the past.
- Understand the difference between opinions and substantiated scholarly claims.
- Effectively conduct research and write a coherent historical essay or research paper that articulates a clear argument, effectively interprets multiple forms of evidence, identifies arguments in secondary historical texts, and uses appropriate citations.

Requirements

Required Core: **Units:** 6.0

HIST C1001	United States History to 1877	3.0
HIST C1002	United States History since 1865	3.0

List A: Select two courses **Units:** 6.0

Select one	3.0

HIST 4 £	WORLD HISTORY TO 1500	3.0
OR		
HIST 62 £	EUROPEAN HISTORY TO 1650	3.0
Select one		3.0
HIST 5 £	WORLD HISTORY SINCE 1500	3.0
OR		
HIST 63 £	EUROPEAN HISTORY SINCE 1650	3.0

List B: Select one course from each area **Units:** 6.0-7.0

Area 1: Diversity		3.0
HIST 4 £	WORLD HISTORY TO 1500	3.0
HIST 5 £	WORLD HISTORY SINCE 1500	3.0
HIST 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
OR		
ES 10	RACE, ETHNICITY, AND RESISTANCE IN THE U.S.	3.0
HIST 12	REVOLUTIONS AND REVOLTS	3.0
HIST 21	WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE	3.0
HIST 27	LATIN AMERICA - PRE-EUROPEAN TO INDEPENDENT NATIONHOOD	3.0
HIST 28	LATIN AMERICA - 1800 TO THE PRESENT	3.0
HIST 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
OR		
ES 33	CHICANX - LATINX UNITED STATES HISTORY	3.0
HIST 70	HISTORY OF ASIA TO 1800	3.0
HIST 72	HISTORY OF CHINA	3.0
HIST 74	HISTORY OF THE MIDDLE EAST TO 1800	3.0
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
OR		
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
HIST 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
OR		
ES 81	AFRICAN AMERICAN UNITED STATES HISTORY	3.0
Area 2:		3.0-4.0
HIST 11	PERSPECTIVES OF PEACE STUDIES	3.0
HIST 15	THE VIETNAM WAR	3.0
HIST 19	UNITED STATES SINCE 1945	3.0
HIST 22	SURVEY OF UNITED STATES HISTORY	3.0
HIST 30	HISTORY OF MEXICO	3.0
HIST 32	CALIFORNIA HISTORY	3.0
HIST 62 £	EUROPEAN HISTORY TO 1650	3.0
HIST 63 £	EUROPEAN HISTORY SINCE 1650	3.0
HIST 71	HISTORY OF ASIA SINCE 1800	3.0
HIST 75	HISTORY OF THE MODERN MIDDLE EAST	3.0
HIST 78	HISTORY OF JAPAN	3.0
HIST 99	ENGAGING WITH HISTORY AND HISTORICAL METHODS	4.0

Total: 18.0-19.0

£ Course can be taken to fulfill either List A or List B requirements; it may not be counted toward both.

HOLISTIC HEALTH STUDIES - Certificate of Achievement

Summary

Designed to promote a holistic approach to healthy living while preparing students for professional careers and the potential of higher education in the integrative health, fitness, and wellness field. Students will investigate basic anatomy, physiology, subtle energy, and behavior principles while exploring the connection between the physical, intellectual, emotional, and spiritual realms of health, wellness, and performance. Students will be introduced to a variety of alternative health practices and healing therapies from various cultures around the world, with an emphasis on how a holistic approach and practical techniques can lead to optimal performance and health. Upon completion of this certificate, individuals will gain an advantage obtaining an entry-level position at health, fitness, and wellness centers, spas and clinics, and/or community establishments. In addition to administrative jobs within the industry, individuals may find positions as practitioner and/or therapist assistants, health and wellness educators or community workers, and/or internship opportunities at various complementary and alternative health practices/centers. Courses within this certification can fulfill continuing education hours/credits for those currently certified by nationally and globally recognized certifying bodies such as the American Council of Exercise (ACE) and Yoga Alliance (YA). This certificate can be completed completely online. Students whom complete this certificate will be eligible to earn our, "Integrative Health for Fitness and Wellness Professionals" certificate, by successfully completing three additional courses within one of three pattern options.

Learning Outcome(s):

- Demonstrate an understanding of contemporary health principles and guidelines.
- Explain core principles and philosophies of the holistic paradigm.
- Explain basic anatomy, physiology, subtle energy, and behavior principles through a holistic perspective.
- Describe foundational principles and unique techniques used in well-established complementary and alternative health practices and explain how they can be beneficial to various fitness, performance, health, and wellness professions.
- Demonstrate practical holistic health techniques for optimal performance, health, and wellness.
- Create a customized fitness, health, and wellness plan using holistic health principles and techniques.

Requirements

Required Core: **Units:** 13.0

HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
KNES 220	HOLISTIC HEALTH - UNDERLYING MECHANISMS	3.0
KNES 121	COMPLEMENTARY AND ALTERNATIVE HEALTH PRACTICES	3.0
KNES 222	INTRODUCTION TO AYURVEDA	3.0
KNES 207	TRAINING AND THEORY OF THE YOGIC ENERGY SYSTEM	1.0

Total: 13.0

HOSPITALITY MANAGEMENT - A.S. Degree

Summary

The Hospitality Management Associate of Science degree program offers comprehensive coursework that encompasses the diverse hospitality industry. Students will obtain skills in the operational and legal aspects of hospitality management and supervision, food and beverage operations, cost control, event and catering management, human resources, marketing, and support operations. Emphasis is on guest service strategies, ethical considerations, effective communication, critical thinking, leadership standards, and teamwork. The program combines classroom and laboratory instruction providing students with well-rounded preparation in the hospitality industry. Students completing the program will be prepared for a career in the hospitality industry as entry-level hotel, motel and restaurant managers, food and beverage managers, event, banquet and catering professionals, resort

managers and human resource administrators. The coursework also provides the tools necessary for successful startup to those students wishing to open their own hospitality business. After successful completion of the associate of science degree in Hospitality Management, students may pursue a baccalaureate degree in Hospitality Management.

Learning Outcome(s):

- Demonstrate preparation for employment in the hospitality industry.
- Identify legal and ethical considerations affecting the hospitality industry.
- Demonstrate knowledge of and experience of operations relative to the provisions of goods and services in the hospitality business.
- Observe foundations of leadership, management and human resources.
- Apply knowledge of financial management related to operations in hospitality.
- Demonstrate effective written and interpersonal communication skills.
- Identify event and catering management requirements.

Requirements

Required Core: **Units:** 18.0-20.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
HRM 150	INTRODUCTION TO HOSPITALITY MANAGEMENT	3.0
HRM 152	SPECIAL EVENTS MANAGEMENT	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0
HRM 157	HOSPITALITY LAW	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

HOSPITALITY MANAGEMENT - AS-T Degree

Summary

The Associate in Science in Hospitality Management for Transfer prepares individuals for transfer to CSU Hospitality Management Bachelor of Science programs. This program is dedicated to preparing students with the skills necessary to successfully transfer. The program offers comprehensive coursework that encompasses the diverse hospitality industry. Students will obtain skills in the operational and legal aspects of hospitality management and supervision, food and beverage operations, cost control, event and catering management, human resources, marketing, and support operations. Emphasis is on guest service strategies, ethical considerations, effective communication, critical

thinking, leadership standards, and teamwork. The program combines classroom and laboratory instruction providing students with well-rounded preparation in the hospitality industry. Students completing the program will be prepared for a career in the hospitality industry as entry-level hotel, motel and restaurant managers, food and beverage managers, event, banquet and catering professionals, resort managers and human resource administrators.

Students who complete the Associate in Science in Hospitality Management for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate preparation for transfer to a four-year Hospitality Management program.
- Demonstrate preparation for entry level employment in the hospitality industry.
- Identify legal and ethical considerations affecting the hospitality industry.
- Demonstrate knowledge of and experience of operations relative to the provisions of goods and services in the hospitality business.
- Observe foundations of leadership, management and human resources.
- Apply knowledge of financial management related to operations in hospitality.
- Demonstrate effective written and interpersonal communication skills.
- Identify event and catering management requirements.

Requirements

Required Core: **Units:** 3.0

HRM 150	INTRODUCTION TO HOSPITALITY MANAGEMENT	3.0

List A: Select three courses **Units:** 9.0

HRM 154	HOSPITALITY COST CONTROL	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0
HRM 157	HOSPITALITY LAW	3.0
CUL 101 *	CULINARY PRINCIPLES I	3.0

List B: Complete two courses from the following or any course from List A not already used (6-7 units) **Units:** 6.0-7.0

ACCT 1A	FINANCIAL ACCOUNTING	4.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HOSPITALITY MANAGEMENT - Certificate of Achievement

Summary

The Hospitality Management Certificate of Achievement offers comprehensive coursework that encompasses the diverse hospitality industry. Students will obtain skills in the operational and legal aspects of hospitality management and supervision, food and beverage operations, cost control, event and catering management, human resources, marketing, and support operations. Emphasis is on guest service strategies, ethical considerations, effective communication, critical thinking, leadership standards, and teamwork. The program combines classroom and laboratory instruction providing students with well-rounded preparation in the hospitality industry. Students completing the program will be prepared for a career in the hospitality industry as entry-level hotel, motel and restaurant managers, food and beverage managers, event, banquet and catering professionals, resort managers and human resource administrators. The coursework also provides the tools necessary for successful startup to those students wishing to open their own hospitality business.

Learning Outcome(s):

- Demonstrate preparation for employment in the hospitality industry.
- Identify legal and ethical considerations affecting the hospitality industry.
- Demonstrate knowledge of and experience of operations relative to the provisions of goods and services in the hospitality business.
- Observe foundations of leadership, management and human resources.
- Apply knowledge of financial management related to operations in hospitality.
- Demonstrate effective written and interpersonal communication skills.
- Identify event and catering management requirements.

Requirements

Required Core: **Units:** 18.0-20.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
HRM 150	INTRODUCTION TO HOSPITALITY MANAGEMENT	3.0
HRM 152	SPECIAL EVENTS MANAGEMENT	3.0
HRM 154	HOSPITALITY COST CONTROL	3.0
HRM 157	HOSPITALITY LAW	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

HUMAN RESOURCES - A.S. Degree

Summary

The Human Resources Associate of Science Degree prepares students with the knowledge and skills needed for careers in the high-demand field of human resource management in a rapidly changing world of business. Potential areas of employment include managers, specialists, analysts, officers, and other positions related to compensation, administrative services, performance management, talent and recruitment, retention, benefits, training and employee or leadership development, employee advocacy and labor relations, staffing, strategic HR management, organizational development (OD), risk, OSHA, and others.

The Society for Human Resource Management (SHRM) is the leading national association in this field; this degree aligns with SHRM curriculum, and will help prepare students for the national certification. SHRM certification tells employers that, in addition to a thorough knowledge of HR concepts and requirements, the candidate has the demonstrable behavioral competencies needed to apply that knowledge in today's business contexts.

Learning Outcome(s):

- Prepare a legally compliant job description for a job of their own design.
- Apply an understanding of the influence of individual values, attitudes, perceptions, emotions, and emotional intelligence on individual and organizational effectiveness.
- Explain and give examples of the importance and value of diversity in the organization.
- Analyze human resource needs and identify the financial, legal, social, compensation, and ethical factors involved in managing personnel and enforcing policies, rules, and procedures.
- Demonstrate the knowledge and skills needed for various human resource management positions.

Requirements

Required Core: **Units:** 38.0-41.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
OR		
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0-4.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
OR		
ACCT 120	INTRODUCTION TO FINANCIAL PLANNING	3.0
OR		
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 172	FINANCIAL LITERACY	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 229	ORGANIZATIONAL BEHAVIOR	3.0

BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 227	EMPLOYMENT LAW	3.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Associate of Science

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 38.0-41.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HUMAN RESOURCES - Certificate of Achievement

Summary

The Human Resources Certificate of Achievement prepares students for careers in human resource management in a rapidly changing world of business. Potential areas of employment include compensation, recruitment, benefits, training and development, staffing, strategic HR management, risk management, labor relations, and others. Examples of job titles include talent manager or officer; recruiter; recruitment and retention specialist; staffing specialist; trainer; employee development specialist; leadership development specialist; organizational development (OD) specialist; compensation and administrative services specialist; benefits analyst; compensation specialist; performance management specialist; employee advocate and labor relations specialist; safety officer; risk management specialist; and OSHA specialist.

Learning Outcome(s):

- Apply an understanding of the influence of individual values, attitudes, perceptions, emotions, and emotional intelligence on individual and organizational effectiveness.
- Explain and give examples of the importance and value of diversity in the organization.
- Analyze human resource needs and identify the financial, legal, social, compensation, and ethical factors involved in managing personnel and enforcing policies, rules, and procedures.

Requirements

Required Core: **Units:** 22.0-24.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0

Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0

OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 227	EMPLOYMENT LAW	3.0

Total: 22.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HUMAN RESOURCES MANAGEMENT - Occupational Skills Award

Summary

The Human Resources Management Occupational Skills Award is designed to increase the ability to succeed in an emerging and evolving work environment. The curriculum assists students' understanding of the scope of human resources management and the requirements for success. Completion of this award in Human Resources Management enhances the opportunity for entry employment as well as advancement in a career. Potential areas of employment include management assistants and specialists in compensation, recruitment, benefits, training and development, staffing, strategic HR management, risk management, labor relations, and others. Examples of job titles include management assistants and specialists in recruitment; recruitment and retention specialist; staffing specialist; trainer; employee development specialist; leadership development specialist; organizational development (OD) specialist; compensation and administrative services specialist; benefits analyst; compensation specialist; performance management specialist; employee advocate and labor relations specialist; safety officer; risk management specialist; and OSHA specialist. This award is designed to lead to the more advanced awards of Certificate of Achievement and AS degree in Human Resources through completion of the stackable awards of Business Education Core and Business Education Foundations certificates.

Learning Outcome(s):

- Describe and illustrate the functions and processes of management practice, management theory, and structures of organizations.
- List, describe, and give examples of implementing the key management functions of planning, organizing, leading, controlling, and project management.
- Apply effective solutions to common managerial problems.
- Name and give examples of practices of managers that tap employee potential or enhance motivation. Explain the results of using such practices.
- Describe the role and responsibilities of a manager of human resources.
- Employ complex communication skills, including active listening skills, that maximize positive interactions and contribute to productivity.
- Collaborate, in person and virtually, to complete tasks.
- Integrate expertise in technical knowledge and skills with thinking and reasoning strategies to create, innovate, and devise solutions for business situations.

- Behave in a professional manner appropriate to organizational expectations.

Requirements

Required Core: **Units:** 10.0-11.0

BUS 120	BUSINESS MANAGEMENT	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Total: 10.0-11.0

HUMAN SERVICES GENERALIST - A.S. Degree

Summary

The Human Services (HS) Generalist Associate of Science is a Career Technical Education program designed to provide historical and current perspectives of the basic issues within the human services field. It is an introduction to the growing career options within the helping professions field including, but not limited to, social work, psychology, sociology, anthropology, community-based corrections, and more. This program provides an opportunity to explore and work with diverse populations including children, adolescents, adults, and older adults. The HS Generalist program will enable students to make informed decisions about career directions in fields of behavioral health and the helping professions. This program option combines the Human Services behavioral core skills training and supervised experiential learning in beginning and advanced practicums in diverse Human Services Generalist fieldwork settings. The HS Generalist program serves as a natural gateway to the Social Work profession and other behavioral health career options. It provides students with the knowledge and skills to help individuals, groups, communities, and organizations function at optimal levels.

Completion of the five (5) Human Services Core Courses are prerequisites for the application to the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course and is required for the completion of the Human Services Generalist Program. Visit the Human Services website at www.saddleback.edu/programs-degrees/all-programs/human-services to review the HS Generalist Roadmap chart. Fieldwork and Seminar Information Sessions are scheduled at the end of the Fall and Spring semesters to inform students of the application process for HS 110. Check the Human Services website for the dates and times.

The application process is competitive, and completion of an application does not guarantee acceptance into the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course. A minimum grade of "C" in all courses is required to receive the certificate. Students who successfully complete the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course may self enroll in the Fieldwork & Seminar II [HS 150] (Advanced Practicum) course.

Learning Outcome(s):

- Exemplify knowledge of the breadth of the Human Services profession.
- Engage human services intervention skills on a micro and macro level.
- Use Human Services behavioral core skills training and experiential learning in a human services setting.
- Impart effective rapport, and communication and attending skills.

Requirements

Required Core: **Units:** 34.0

HS 100 *	INTRODUCTION TO HUMAN SERVICES	3.0
HS 120	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0

HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 110 *	FIELD INSTRUCTION AND SEMINAR I	3.5
HS 150 *	FIELD INSTRUCTION AND SEMINAR II	3.5

Restricted Electives (3 units): **Units:** 3.0

HS 112	CONFLICT RESOLUTION AND MEDIATION	3.0
HS 172 *	PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS	3.0
HS 171	SUBSTANCE ABUSE - INTERVENTION, TREATMENT AND RECOVERY	3.0
HS 187	JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution’s catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HUMAN SERVICES GENERALIST - Certificate of Achievement

Summary

The Human Services (HS) Generalist Certificate of Achievement is a Career Technical Education program designed to provide historical and current perspectives of the basic issues within the human services field. It is an introduction to the growing career options within the helping professions field including, but not limited to, social work, psychology, sociology, anthropology, community-based corrections, and more. This program provides an opportunity to explore and work with diverse populations including children, adolescents, adults, and older adults. The HS Generalist program will enable students to make informed decisions about career directions and will prepare students for an array of careers in the behavioral health and the helping professions. This program option combines the Human Services behavioral core skills training and supervised experiential learning in beginning and advanced practicums in diverse Human Services Generalist fieldwork settings. The HS Generalist program serves as a natural gateway to the Social Work profession and other behavioral health career options. It provides students with the knowledge and skills to help individuals, groups, communities, and organizations function at optimal levels.

Completion of the five (5) Human Services Core Courses are prerequisites for the application to the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course and is required for the completion of the Human Services Generalist Program. Visit the Human Services website at www.saddleback.edu/programs-degrees/all-programs/human-services to review the HS Generalist Roadmap chart. Fieldwork and Seminar Information Sessions are scheduled at the end of the Fall and Spring semesters to inform students of the application process for HS 110. Check the Human Services website for the dates and times.

The application process is competitive, and completion of an application does not guarantee acceptance into the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course. A minimum grade of "C" in all courses is required to receive the certificate. Students who successfully complete the Fieldwork and Seminar I [HS 110] (Beginning Practicum) course may self-enroll in the Fieldwork & Seminar II [HS 150] (Advanced Practicum) course

Learning Outcome(s):

- Exemplify knowledge of the breadth of the Human Services profession.
- Engage human services intervention skills on a micro and macro level.
- Use Human Services behavioral core skills training and experiential learning in a human service setting.
- Impart effective rapport, and communication and attending skills.

Requirements

Required Core: **Units:** 34.0

HS 100 *	INTRODUCTION TO HUMAN SERVICES	3.0
HS 120	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 110 *	FIELD INSTRUCTION AND SEMINAR I	3.5
HS 150 *	FIELD INSTRUCTION AND SEMINAR II	3.5

Restricted Electives (3 units): **Units:** 3.0

HS 112	CONFLICT RESOLUTION AND MEDIATION	3.0
HS 172 *	PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS	3.0
HS 171	SUBSTANCE ABUSE - INTERVENTION, TREATMENT AND RECOVERY	3.0
HS 187	JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0

Total: 37.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HUMANITIES - A.A. Degree

Summary

The curriculum in the Humanities Associate of Arts degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering majors in the humanities such as English, history, art history, literature or philosophy, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment. While there are few direct pathways for the recipient of a Humanities degree, or any Liberal Arts degree, students who major in the Humanities and other Liberal Arts find employment because of their development of critical skills in writing, collaboration, and communication. According to the US Bureau of Labor Statistics, Liberal Arts majors find employment in fields including management, teaching, legal fields, sales, media, and more.

Learning Outcome(s):

- Identify and evaluate the origin, growth, varieties, and cultural manifestations of individuality in different cultural traditions.
- Identify and evaluate nature (e.g. our conceptions of nature, our relation to nature, etc.) in different cultural traditions.
- Identify and evaluate economic, social, religious and artistic conflict between different cultural traditions.

Requirements

Required Core: **Units:** 9.0

HUM 1	INTRODUCTION TO HUMANITIES	3.0
HIST 4	WORLD HISTORY TO 1500	3.0
HIST 5	WORLD HISTORY SINCE 1500	3.0

Restricted Electives: Select three courses **Units:** 9.0

HUM 2	ORIGINS OF WESTERN CULTURE IN LITERATURE	3.0
HUM 21	THE SEARCH FOR MEANING - IDEAS OF SELF ACROSS CULTURES	3.0
HUM 25	PLANET EARTH - CONTEMPORARY ISSUES AND CONTROVERSIES	3.0
HON 11H *	HONORS CULTURE, SCIENCE, SOCIETY - RENAISSANCE	3.0
HON 12H *	HONORS CULTURE, SCIENCE, SOCIETY - THE POSTMODERN WORLD	3.0
HON 13H *	HONORS CULTURE, SCIENCE, SOCIETY - POWER, RESISTANCE, EMPIRE	3.0
HON 14H *	HONORS CULTURE, SCIENCE, SOCIETY - TRANSFORMATION OF EMPIRE	3.0
PHIL 1	INTRODUCTION TO PHILOSOPHY	3.0
OR		
PHIL 1H	HONORS INTRODUCTION TO PHILOSOPHY	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ILLUSTRATION/ANIMATION - A.A. Degree

Summary

The Illustration/Animation Associate of Arts Program prepares students for entry-level animation and illustration employment in areas such as: editorial and product illustration, animation, motion design, multimedia design, digital image design, and responsive media. The program also provides coursework for professionals upgrading skills and focuses on methods for creating, synthesizing, manipulating, and delivering meaningful and effective visual content to the user/viewer in one or more of these areas.

Learning Outcome(s):

- Use fundamental illustration and animation skills.
- Select and use appropriate illustration and animation software and hardware.
- Demonstrate skills typically found in the illustration and animation field.

Requirements

Required Core: **Units:** 29.0

ART 80	DRAWING I	3.0
Select one		3.0
GD 141	GRAPHIC RENDERING TECHNIQUES	3.0
OR		
ART 141	GRAPHIC RENDERING TECHNIQUES	3.0
GD 44	TYPOGRAPHY	3.0
Select one		3.0
GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 1	HISTORY OF ANIMATION	3.0
GD 150 *	DIGITAL ANIMATION	3.0
GD 210	MOTION GRAPHICS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 29.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ILLUSTRATION/ANIMATION - Certificate of Achievement

Summary

The Illustration/Animation Certificate Program prepares students for entry-level animation and illustration employment in areas such as: editorial and product illustration, animation, motion design, multimedia design, digital image design, and responsive media. The program also provides coursework for professionals upgrading skills and focuses on methods for creating, synthesizing, and delivering meaningful and effective visual content to the user/viewer in one or more of these areas.

Learning Outcome(s):

- Use fundamental illustration and animation skills.
- Select and use appropriate illustration and animation software and hardware.
- Demonstrate skills typically found in the illustration and animation field.

Requirements

Required Core: **Units:** 29.0

ART 80	DRAWING I	3.0
Select one		3.0
GD 141	GRAPHIC RENDERING TECHNIQUES	3.0
OR		
ART 141	GRAPHIC RENDERING TECHNIQUES	3.0
GD 44	TYPOGRAPHY	3.0
Select one		3.0
GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 149	DIGITAL ILLUSTRATION	3.0
GD 1	HISTORY OF ANIMATION	3.0
GD 150 *	DIGITAL ANIMATION	3.0
GD 210	MOTION GRAPHICS	3.0
GD 180WE	GRAPHICS WORK EXPERIENCE	2.0

Total: 29.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

INDUSTRIAL AUTOMATION FUNDAMENTALS - Certificate of Achievement

Summary

This certificate trains workers for entry-level employment and provides skill upgrading for existing workers in companies related to Industrial Automation. Typical jobs include Automation Control Specialist/Technician, Motion Control Specialist/Technician, Industrial Control Specialist/Technician, Electrical and/or Electronics Engineering Technician, Electro-Mechanical Technician, Industrial Engineering Technician, and Mechanical Engineering Technician. Major topics covered include analog and digital electronics fundamentals, microcontrollers, robotics (theory, construction, and programming), motors and controls, programmable logic controllers, and mechatronics.

Learning Outcome(s):

- Demonstrate knowledge of common analog and digital electronic components, circuits, and test equipment: identify, describe, and determine the performance of common analog and digital electronic components and circuits and properly use electronics test equipment to measure the performance.
- Demonstrate knowledge of common industrial robots, including their hardware, software, and sensors: program a robot to perform specified tasks and respond properly to position and environmental sensors.

- Demonstrate knowledge of electric industrial motors and controls and programmable logic controllers (PLC's), including their hardware, software, and sensors: program a PLC to perform specified tasks and respond properly to a variety of industrial sensors.
- Demonstrate knowledge of mechatronics fundamentals, including sensors, switches, control devices, hydraulics, and pneumatics.
- Demonstrate knowledge of microcontroller programming and interfacing to input and output devices.

Requirements

Required Core: **Units:** 24.0

ET 133	DC AND AC FUNDAMENTALS	4.0
ET 114 *	DIGITAL ELECTRONIC CIRCUITS	4.0
ET 200 *	DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS	4.0
ET 201	ROBOTICS FUNDAMENTALS	2.0
ET 202 *	INTERMEDIATE ROBOTICS	2.0
ET 250 *	MOTORS AND CONTROLS AND PROGRAMMABLE LOGIC CONTROLLERS	4.0
ET 255 *	MECHATRONICS FUNDAMENTALS	4.0

Total: 24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

INSTRUMENTAL STUDIES - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Instrumental Studies prepares students for audition and transfer into a Bachelors of Arts in Music degree in Woodwind Studies, Percussion Studies or String Studies. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of classical music styles on a student's chosen instrument. There is an audition requirement for MUS 50, MUS 41, and MUS 42. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, intonation, instrument tone, reading, and musical interpretation of classical music genres. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Perform solo classical repertoire on their chosen instrument with appropriate technique, phrasing, intonation, and interpretation
- Perform within an ensemble using appropriate technique, phrasing, intonation and section balance

Requirements

Required Core: **Units:** 10.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0

MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0

Required Ensembles: Complete two semesters from the following **Units:** 4.0

MUS 41 *	SYMPHONIC WIND ENSEMBLE	2.0
MUS 42 *	SYMPHONIC ORCHESTRA	2.0
MUS 43 *	STRING ORCHESTRA	2.0

Restricted Electives: **Units:** 3.0

MUS 20	MUSIC APPRECIATION	3.0
MUS 24	MUSIC SINCE 1900	3.0

Total: 17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
^ Students must complete 2 semesters of Applied Music to earn the certificate.

INTEGRATIVE HEALTH FOR FITNESS AND WELLNESS PROFESSIONALS - Certificate of Achievement

Summary

Designed to supplement a variety of health, fitness, and wellness professionals with contemporary knowledge, integrative concepts, and alternative practices for optimal performance and health, as well as job placement and career advancement. Students will explore the connection between the physical, intellectual, emotional, and spiritual dimensions of health and wellness through a holistic approach to anatomy, physiology, subtle energy, human behavior, and environmental interactions. Courses will introduce complementary and alternative health practices and examine various preventative techniques and healing therapies used around the world. Within the provided pattern options, students are given the opportunity to further their knowledge in a variety of fields and competencies such as, yoga and aerobic exercise, fitness and sports performance, nutrition, psychology, and sociology. Courses will promote positive behavioral, social, and lifestyle changes while preparing individuals for professional careers and/or greater education within the fitness, health, and wellness industry. In addition to an advantage obtaining entry-level job positions at fitness, health and wellness centers, training facilities and studios, and alternative health care practices, upon completion of this certificate, individuals will gain an opportunity to start or advance in such careers/professions as (but not limited to), yoga instructor and/or continuing educational provider, aerobics instructor, personal trainer, fitness and performance specialist, and/or health and wellness coaching. Courses within this certification can fulfill continuing education hours/credits for those currently certified by nationally and globally recognized certifying bodies such as the American Council of Exercise (ACE) and Yoga Alliance (YA). Students who have completed the Holistic Health Studies certificate of achievement need only to complete one of the three pattern/emphasis options (each requiring three courses) to obtain this higher valued certificate. All three pattern options in this certificate can be completed fully online.

Learning Outcome(s):

- Demonstrate an understanding of contemporary health principles and how they can be applied within a holistic paradigm.
- Explain basic anatomy, physiology, subtle energy and behavioral principles though a holistic perspective while demonstrating an understanding of the effects of social and environmental factors.
- Describe core principles and techniques used in a variety of complementary and alternative health practices and demonstrate how they can be appropriately integrated into a selection of fitness and wellness professions.
- Identify integrative health principles, techniques, and practices that are highly beneficial for individuals and professionals in emphasized occupations within the fitness and wellness field.
- Create a customized integrative health plan within a specific occupation of fitness, performance, health, and wellness.

- Explain the importance and benefits of a having an integrative health education background and the positive impact it can have within a variety of fitness, health, and wellness occupations.

Requirements

Required Core: **Units:** 13.0

HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
KNES 220	HOLISTIC HEALTH - UNDERLYING MECHANISMS	3.0
KNES 121	COMPLEMENTARY AND ALTERNATIVE HEALTH PRACTICES	3.0
KNES 222	INTRODUCTION TO AYURVEDA	3.0
KNES 207	TRAINING AND THEORY OF THE YOGIC ENERGY SYSTEM	1.0

Restricted Electives **Units:** 8.0-9.0

Select one pattern:		8.0-9.0
Pattern 1: Yoga and Aerobic Exercise Emphasis		9.0
KNES 60 *	ANATOMY AND FUNDAMENTALS OF YOGA	3.0
KNES 61 *	TEACHING OF YOGA	3.0
KNES 62	PHILOSOPHY OF YOGA	3.0
Pattern 2: Fitness and Performance Emphasis		8.0
KNES 110	THEORY AND TECHNIQUES OF PERSONAL TRAINING	3.0
KNES 112	THE PROFESSION OF PERSONAL TRAINING	2.0
KNES 105	MENTAL SKILLS FOR SPORTS PERFORMANCE	3.0
OR		
NUTR 164	SPORTS NUTRITION	3.0
Pattern 3: General Health and Wellness Emphasis		9.0
NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0
And Select 3 units from the following courses:		3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0
NUTR 164	SPORTS NUTRITION	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
KNES 60 *	ANATOMY AND FUNDAMENTALS OF YOGA	3.0
KNES 110	THEORY AND TECHNIQUES OF PERSONAL TRAINING	3.0
KNES 105	MENTAL SKILLS FOR SPORTS PERFORMANCE	3.0
PSYC 33	PSYCHOLOGY OF ADJUSTMENT	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

INTERIOR DESIGN - A.S. Degree

Summary

The Interior Design Associate of Science (A.S.) degree provides students with a comprehensive professionally-focused academic foundation to pursue multiple careers in interior design. Students will receive a strong background in design

and color theories, history of interior architecture and furnishings, space planning, lighting, materials and products, building systems and codes, design process, manual and computer-aided design and visual communication. They will acquire technical skills, critical thinking, creative problem solving, and practical applications necessary to obtain various entry-level positions in the interior design field. The Interior Design A.S. degree is part of a stackable sequence of awards and requires completion of the Level II certificate program and Saddleback College general education requirements. This is a high unit major due to industry requirements for employment therefore the combination of the major units and general education required for this degree may take longer than two years to complete. Employment opportunities include design assistants for residential and model home designers, color or lighting consultants, CADD specialists, 3D renderers, e-designers, design journalists, space planners, or interior design positions as part of a larger design team. Students who complete the Interior Design A.S. degree will meet the minimum required units and educational standards established by the California Council for Interior Design Certification (CCIDC) for eligibility to sit for the Interior Design Certification Exam (IDEX), the first step towards pursuing a qualification as a Certified Interior Designer (CID).

Learning Outcome(s):

- Demonstrate knowledge of design and color theories, interior design history, products and materials, space planning, lighting, building systems and codes.
- Utilize manual and computer-aided drawing, rendering, visualization, and presentation techniques for effective visual communication.
- Apply the design process and critical thinking to develop interior design solutions for residential and commercial environments.
- Acquire interior design skills and knowledge to pursue the Level III - Interior Design Professional certificate.

Requirements

Required Core: **Units:** 44.0

ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
Select one		3.0
ID 133	SKETCHING AND RENDERING FOR INTERIOR DESIGN	3.0
OR		
ID 123	INTERIOR DESIGN ILLUSTRATION	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 111 *	INTERIOR DESIGN STUDIO I	3.0
ID 116	INTERIOR MATERIALS AND PRODUCTS	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
ID 118 *	DIGITAL PRESENTATION FOR INTERIOR DESIGN	3.0
ID 121 *	SPACE PLANNING	3.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
ID 132 *	INTERIOR BUILDING SYSTEMS AND CODES	3.0
ID 126 *	INTERIOR DESIGN STUDIO II	3.0
ID 127 *	FUNDAMENTALS OF LIGHTING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 44.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

INTERIOR DESIGN DIGITAL PRODUCTION - Certificate of Achievement

Summary

The Interior Design Digital Production certificate program provides students with digital design skills for entry-level employment or professional career advancement in interior design and related fields. Through a series of computer-based courses students receive specialized training in various industry-standard software applications and acquire technical skills and practical knowledge in digital drafting, 3D modeling, rendering, visualization, and digital presentation for interior design projects. Employment opportunities include entry-level technical positions in a wide range of design disciplines such as design assistants with digital skills in residential and commercial firms, CAD technicians, CAD operators for contractors and furniture dealers and manufacturers, drafters, 3D renderers, e-designers, and digital rendering artists. The courses in this program can be applied towards the AS degree in Interior Design and certificates in Interior Design Foundations, Interior Design, and Interior Design Professional.

Learning Outcome(s):

- Apply knowledge of industry-standard software applications to digital production of interior design project materials.
- Demonstrate the ability to communicate designs and projects through digital drafting, 3D modeling, rendering, visualization, and digital presentation.

Requirements

Required Core: **Units:** 17.0

ID 112	DRAFTING FOR INTERIORS	2.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 118 *	DIGITAL PRESENTATION FOR INTERIOR DESIGN	3.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
ID 134 *	ADVANCED CAD FOR INTERIOR DESIGN	3.0
ID 136 *	REVIT FOR INTERIOR DESIGN	3.0

Total: 17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

INTRODUCTION TO BAKING AND PASTRY - Certificate of Achievement

Summary

The Introduction to Baking and Pastry Certificate of Achievement prepares students for entry-level career opportunities in bakeries, restaurants, catering, hotels, and other food service businesses. Students gain practical training in the use of commercial equipment and acquire the skills necessary to be successful in the field of baking such as production baking, cakes, and plated desserts. The program combines theory and practical application of skills preparing students to meet the needs of employers. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate foundational baking techniques.

- Evaluate a variety of finished baking products based on visual appeal, consistency, taste, and proper preparation techniques.
- Demonstrate proficient safety and sanitation production practices as related to the food service industry.
- Demonstrate preparation for entry-level employment in the food service industry in the specialized area of baking and pastry.

Requirements

Required Core: **Units:** 18.0-20.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 245 *	BAKING FUNDAMENTALS II	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0
CUL 176	FOOD AND BEVERAGE OPERATIONS	3.0

Total: 18.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

INTRODUCTION TO CULINARY ARTS - A.S. Degree

Summary

The Introduction to Culinary Arts Associate of Science degree prepares students for many entry-level contemporary employment opportunities in food service. These include jobs as institution and cafeteria cooks, private household cooks, food preparation workers, food service workers, cooks, and first line supervisors of food preparation and serving workers. Students will be provided with the essential skills of sanitation, foundational cooking and baking, operations, and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate skill in culinary methods and techniques, including culinary knowledge, and organization (mise en place*).
- Apply scientific knowledge and principles of nutrition, product knowledge, ingredient functionality, sanitation, and food safety.
- Demonstrate strong teamwork and collaboration skills while exemplifying professionalism and leadership.

Requirements

Required Core: **Units:** 18.0-20.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0

CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0

Restricted Electives: Select 1-3 courses (3 units) **Units:** 3.0

CUL 160 *	WORLD CUISINES	3.0
CUL 220	FRENCH BISTRO CUISINE	1.0
CUL 222	CHINESE CUISINE	1.0
CUL 223	ASIAN CUISINE	1.0
CUL 226	MEXICAN CUISINE	1.0
CUL 227	MEDITERRANEAN CUISINE	1.0
CUL 228	ITALIAN CUISINE	1.0
CUL 230	PLANT BASED CUISINE	1.0
CUL 232	TECHNIQUES OF HEALTHY COOKING	1.0
CUL 235	EUROPEAN REGIONAL FOODS TOUR	2.0
CUL 236	AMERICAN REGIONAL CUISINE	1.0
CUL 260 *	CUISINES AND CULTURES OF THE AMERICAS	3.0
CUL 263 *	CUISINES AND CULTURES OF EUROPE	3.0
CUL 265 *	CUISINES AND CULTURES OF THE MEDITERRANEAN	3.0
CUL 267 *	CUISINES AND CULTURES OF ASIA	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

INTRODUCTION TO CULINARY ARTS - Certificate of Achievement

Summary

The Introduction to Culinary Arts Certificate of Achievement program prepares students for many entry-level contemporary employment opportunities in food service. These include jobs as institution and cafeteria cooks, private household cooks, food preparation workers, food service workers, cooks, and first line supervisors of food preparation and serving workers. Students will be provided with the essential skills of sanitation, foundational cooking and baking, operations, and production to reach their career goals and to be competitive in the marketplace. Students are required to follow Culinary Department dress standards.

Learning Outcome(s):

- Demonstrate skill in culinary methods and techniques, including culinary knowledge, and organization (mise en place*).
- Apply scientific knowledge and principles of nutrition, product knowledge, ingredient functionality, sanitation, and food safety.

- Demonstrate strong teamwork and collaboration skills while exemplifying professionalism and leadership.

Requirements

Required Core: **Units:** 18.0-20.0

Select one		0.0-2.0
CUL 171 ⁂	SANITATION AND SAFETY	2.0
OR		
ServSafe Certification		
CUL 210	INTRODUCTION TO CULINARY ARTS	3.0
CUL 101 *	CULINARY PRINCIPLES I	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0
CUL 120	INTRODUCTION TO FOOD SYSTEMS	3.0
CUL 244	BAKING FUNDAMENTALS I	3.0
CUL 261	MANAGEMENT, LEADERSHIP & TRAINING	3.0

Restricted Electives: Select 1-3 courses (3 units) **Units:** 3.0

CUL 160 *	WORLD CUISINES	3.0
CUL 220	FRENCH BISTRO CUISINE	1.0
CUL 222	CHINESE CUISINE	1.0
CUL 223	ASIAN CUISINE	1.0
CUL 226	MEXICAN CUISINE	1.0
CUL 227	MEDITERRANEAN CUISINE	1.0
CUL 228	ITALIAN CUISINE	1.0
CUL 230	PLANT BASED CUISINE	1.0
CUL 232	TECHNIQUES OF HEALTHY COOKING	1.0
CUL 235	EUROPEAN REGIONAL FOODS TOUR	2.0
CUL 236	AMERICAN REGIONAL CUISINE	1.0
CUL 260 *	CUISINES AND CULTURES OF THE AMERICAS	3.0
CUL 263 *	CUISINES AND CULTURES OF EUROPE	3.0
CUL 265 *	CUISINES AND CULTURES OF THE MEDITERRANEAN	3.0
CUL 267 *	CUISINES AND CULTURES OF ASIA	3.0

Total: 21.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

JAPANESE - A.A. Degree

Summary

The curriculum in the Japanese program is designed to provide the student the opportunity to achieve an Associate of Arts in Japanese degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree in Japanese will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A Japanese degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the Japanese program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in Japanese degree.

Learning Outcome(s):

- Accurately interpret written sections in Japanese.
- Accurately interpret spoken language in Japanese.
- Demonstrate proficient conversational skills in Japanese.
- Demonstrate knowledge of the history, politics, literature, culture and arts of Japan and people who speak Japanese.

Requirements

Required Core: **Units:** 23.0

JA 1 *	ELEMENTARY JAPANESE	5.0
JA 2 *	ELEMENTARY JAPANESE	5.0
JA 3 *	INTERMEDIATE JAPANESE	5.0
JA 4 *	INTERMEDIATE JAPANESE	5.0
JA 21 *	INTRODUCTION TO JAPANESE CULTURE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

JAZZ COMPOSITION - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Jazz Composition prepares students for audition and transfer into a Bachelors of Arts in Music degree in Jazz Composition. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of jazz music styles on a student's chosen instrument. This program also emphasizes jazz composition and arranging and prepares students to submit their composition portfolios as part of their application for transfer. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical and jazz forms, including Theme and Variations, Rondo, Sonata, Blues, Rhythm Changes, American Standards, and different eras of African American influenced music
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Compose for small, medium and large jazz ensembles
- Notate 4-way close, quartal, cluster and other types of voicing techniques
- Identify historically important jazz composers

Requirements

Required Core: **Units:** 12.5

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
MUS 46 *	JAZZ IMPROVISATION I	1.5
MUS 14 *	JAZZ COMPOSITION AND ARRANGING	3.0

Required Ensembles: Complete one semester from the following **Units:** 2.0

MUS 47 *	SADDLEBACK COLLEGE BIG BAND	2.0
MUS 140 *	IMPROVISED MUSIC IN A JAZZ COMBO	2.0
MUS 148	JAZZ ENSEMBLE	2.0

Restricted Electives: **Units:** 1.5-3.0

MUS 130	MUSIC PRODUCTION I	2.5
MUS 112A *	JAZZ PIANO I	1.5
MUS 190 *	JAZZ IMPROVISATION II	3.0

Total: 16.0-17.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

JAZZ STUDIES - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Jazz Studies prepares students for audition and transfer into a Bachelors of Arts in Music degree in Jazz Studies. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of jazz music styles on a student's chosen instrument. There is an audition requirement for MUS 50 and MUS 47. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, intonation, instrument tone, reading, and musical interpretation of jazz music genres. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Perform in a jazz combo and Big Band using proper phrasing and style
- Understand the theoretical, cultural and stylistic distinctions of different jazz eras

Requirements

Required Core: **Units:** 14.5

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0

MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 46 *	JAZZ IMPROVISATION I	1.5
MUS 190 *	JAZZ IMPROVISATION II	3.0

Required Ensembles: Complete two semesters from the following **Units:** 4.0

MUS 47 *	SADDLEBACK COLLEGE BIG BAND	2.0
MUS 140 *	IMPROVISED MUSIC IN A JAZZ COMBO	2.0
MUS 148	JAZZ ENSEMBLE	2.0

Total: 18.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
^ Students must complete 2 semesters of Applied Music to earn the certificate.

JOURNALISM - AA-T Degree

Summary

Upon completion of the Associate in Arts in Journalism for Transfer degree, students will have a strong foundation in reporting and producing news content, as well as an understanding of the media industry, First Amendment, and professional standards. Students will also have the opportunity to gain practical experience producing multi-dimensional content for student news publications and emerging platforms. Students who earn this degree may transfer as Journalism majors or into other related majors such as Communications, Broadcast and Electronic Communication Arts, Media Studies, Integrated Media, English, Advertising, Radio & Television, Broadcasting, and Visual Studies.

Jobs earned with journalism writing and media skills range from reporting for newspapers and magazines to online contributors, book editing, broadcast for news stations, producing content for radio, copyediting, grant writing, graphic and page designing, photography, research analysts, social media manager, technical writing, web managing, and public relations, which is the most common career path for most journalism majors.

Students who complete the Associate in Arts in Journalism for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate a range of skills necessary for work as photographers, video journalists, designers, etc. in editorial departments of news organizations, magazines, industrial in-house publications, emerging businesses in media and related industries.
- Demonstrate an understanding of the First Amendment, media history and current trends in the industry.
- Demonstrate an understanding of professional standards, ethics and media law.

- Demonstrate practical skills and understanding of convergence, multimedia, emerging technology and innovation in journalism and the media industry.

Requirements

Required Core: **Units:** 10.0

Select one		3.0
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
Complete		3.0
JRN 2 *	NEWS WRITING	3.0
Select one		4.0
JRN 111 *	NEWS MEDIA PRODUCTION	4.0
OR		
JRN 112 *	DIGITAL REPORTING	4.0

List A: **Units:** 3.0

JRN 106	NEWS AND FEATURE VIDEO PRODUCTION	3.0
OR		
CTVR 106	NEWS AND FEATURE VIDEO PRODUCTION	3.0

List B: Select two courses **Units:** 6.0-7.0

JRN 111 * £	NEWS MEDIA PRODUCTION	4.0
CTVR 2	HISTORY AND APPRECIATION OF TELEVISION BROADCASTING	3.0
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
CTVR 5	HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA	3.0
CTVR 7	CROSS CULTURAL CINEMA	3.0
CTVR 9	WOMEN IN CINEMA AND TELEVISION	3.0
GD 2	HISTORY OF GRAPHIC DESIGN	3.0
GSS 31	GENDER AND POPULAR CULTURE	3.0
PHOT 25	HISTORY OF PHOTOGRAPHY	3.0

Total: 19.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ If course not already used for Required Core.

JOURNALISM AND NEW MEDIA - A.S. Degree

Summary

The curriculum in the Journalism and New Media Associate of Science degree provides the range of skills necessary for work in editorial departments of news organizations, magazines, industrial in-house publications, public relations,

and emerging businesses in media and related industries. This program provides background and experience needed by persons who may be employed as photographers, video journalists, designers, and others.

The Journalism and New Media program at Saddleback College seeks to give students an understanding of the media industry and First Amendment. Students develop their reporting and editing skills for a variety of media platforms, public relations, and new and emerging businesses in the media and related industries.

In production courses, students receive hands-on training producing multi-dimensional content for student media publications on a variety of platforms. In skills classes, students learn the fundamentals of producing media content, interviewing, reporting, writing stories, news judgment, visual journalism, and social media and are introduced to media law, ethics, and professional standards. An emphasis is placed on emerging technology.

The goal of the Journalism and New Media Associate of Science degree is to prepare students planning to transfer to four-year universities for majors in media studies, broadcasting, journalism, and communications, with concentrations in areas like public relations, advertising, photo-communications, and journalism. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Learning Outcome(s):

- Demonstrate a range of skills necessary for work in editorial departments of news organizations, magazines, and industrial in-house publications.
- Demonstrate a range of skills necessary for work in public relations, media and communications organizations, and startups.
- Successfully complete practical experiences needed by persons who may be employed as journalists, editors, photographers, video journalists, designers, and media professionals and related occupations.

Requirements

Required Core: **Units:** 13.0

Select one		3.0
CTVR 1	MASS MEDIA AND SOCIETY	3.0
OR		
CTVR 1H	HONORS MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1	MASS MEDIA AND SOCIETY	3.0
OR		
JRN 1H	HONORS MASS MEDIA AND SOCIETY	3.0
Complete		3.0
JRN 2 *	NEWS WRITING	3.0
Select one		3.0
JRN 106 *	NEWS AND FEATURE VIDEO PRODUCTION	3.0
OR		
CTVR 106 *	NEWS AND FEATURE VIDEO PRODUCTION	3.0
Select one		4.0
JRN 111 * £	NEWS MEDIA PRODUCTION	4.0
OR		
JRN 112 * £	DIGITAL REPORTING	4.0

Restricted Electives: Select 3-4 courses (10-11 units) **Units:** 10.0-11.0

BUS 105	SOCIAL MEDIA MARKETING	3.0
CTVR 101	VIDEO PRODUCTION BASICS	3.0
CTVR 129 *	DOCUMENTARY PRODUCTION	3.0

CTVR 191	VOICE-OVER AND ANNOUNCING	3.0
ENG 160 *	LITERARY MAGAZINE	3.0
JRN 111 * £	NEWS MEDIA PRODUCTION	4.0
JRN 112 * £	DIGITAL REPORTING	4.0
JRN 125 *	MAGAZINE PRODUCTION	4.0
JRN 180WE	JOURNALISM WORK EXPERIENCE	2.0
GD 44	TYPOGRAPHY	3.0
GD 145	GRAPHIC ILLUSTRATION	3.0
OR		
ART 145	GRAPHIC ILLUSTRATION	3.0
GD 147	INTRODUCTION TO COMPUTER GRAPHICS	3.0
GD 151	DIGITAL LAYOUT AND DESIGN	3.0
GSS 31	GENDER AND POPULAR CULTURE	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
PHOT 51 *	INTRODUCTION TO PHOTOSHOP AND DIGITAL IMAGING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ Course can be taken as either a core requirement or restricted elective; it may not be counted as both.

KEYBOARD STUDIES - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Keyboard Studies prepares students for audition and transfer into a Bachelors of Arts in Music degree in Keyboard Studies. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of keyboard styles. There is an audition requirement for MUS 50. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, tone, reading, and musical interpretation of keyboard music genres. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms

- Perform solo and ensemble keyboard repertoire with appropriate technique, phrasing, intonation, and interpretation
- Perform solo and within an ensemble using appropriate technique, phrasing, intonation and section balance
- Identify the distinctions between historically important composers for piano, organ, and harpsichord, including chamber music and concerti

Requirements

Required Core: **Units:** 10.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0

Required Ensembles: Complete two semesters from the following **Units:** 3.0

MUS 64 *	PIANO ENSEMBLE	1.5
MUS 65 *	PIANO ACCOMPANYING	1.5

Restricted Electives: **Units:** 4.0-5.0

MUS 86 *	INTRODUCTION TO HARPSICHORD TECHNIQUE AND LITERATURE	2.0
MUS 87 *	HARPSICHORD LITERATURE AND TECHNIQUE II - LATE BEGINNER	2.0
MUS 88 *	HARPSICHORD LITERATURE AND TECHNIQUE III -EARLY INTERMEDIATE	2.0
MUS 89 *	HARPSICHORD LITERATURE AND TECHNIQUE IV -LATE INTERMEDIATE	2.0
MUS 96 *	INTRODUCTION TO ORGAN TECHNIQUE AND LITERATURE CLASS	2.0
MUS 97 *	ORGAN TECHNIQUE AND LITERATURE CLASS LATE BEGINNING	2.0
MUS 98 *	ORGAN TECHNIQUE AND LITERATURE CLASS INTERMEDIATE (A), EARLY	2.0
MUS 99 *	ORGAN TECHNIQUE AND LITERATURE CLASS INTERMEDIATE (B), LATE	2.0
MUS 56 *	ADVANCED PIANO	2.5
MUS 58 *	PIANO REPERTOIRE AND PERFORMANCE PROCEDURES	2.5

Total: 17.0-18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
^ Students must complete 2 semesters of Applied Music to earn the certificate.

KINESIOLOGY - A.A. Degree

Summary

The curriculum in the Kinesiology Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. Kinesiology provides a critical element in a comprehensive, well-balanced educational program. The learning opportunities offered in this area can be an essential factor to the optimum development of a student in all areas of life; physical, mental, emotional, and social. Kinesiology courses contribute toward the achievement of desirable educational outcomes, such as transfer to four-year colleges and universities into majors such as Kinesiology with an Option in Fitness at CSU Long Beach, and prepares students for successful outcomes through the means of physical activity and related experiences. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate Degree prepares students for entry-level employment, aids in gaining experience opportunities, and/or promotion in a variety of jobs within the field of Kinesiology.

Learning Outcome(s):

- Demonstrate cognitive knowledge of fitness terminology and training in a specific subject area.
- Correctly perform the skills or strategy for a particular fitness activity or sport.
- Display affective gains through social interactions, teamwork, and sportsmanship in Kinesiology courses.
- Distinguish and articulate fundamental concepts or skills of a specific activity or sport.

Requirements

Required Core: **Units:** 23.5-27.5

NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
Select one		3.0
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
OR		
HLTH 3	WOMEN'S HEALTH ISSUES	3.0
Complete		7.5
HLTH 2	FIRST AID, CPR, AND AUTOMATED EXTERNAL DEFIBRILLATOR	1.5
KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 52	FUNDAMENTALS OF HUMAN MOVEMENT	3.0
Select one		0.0-4.0
BIOL C1000	Introduction to Biology with Lab	4.0
OR		
One year of high school biology with a grade of "C" or better		
Complete		4.0
BIO 11 *	HUMAN ANATOMY	4.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
Training and Theory: Select one		3.0
KNES 53	INTRODUCTION TO ATHLETIC TRAINING	3.0
KNES 54 *	PRINCIPLES AND FUNDAMENTALS OF COACHING	3.0
KNES 105	MENTAL SKILLS FOR SPORTS PERFORMANCE	3.0

Required Movement Based Skill courses: Select 3 courses from the following in 3 different areas **Units:** 3.0

Aquatics		
KNES 41	SWIMMING FOR NONSWIMMERS	1.0
KNES 42 *	INTERMEDIATE SWIMMING	1.0
KNES 44 *	AQUATIC CONDITIONING	1.0
KNES 49	AQUA AEROBICS	1.0
Combative		
KNES 90	BEGINNING SELF-DEFENSE	1.0
Fitness		
KNES 1	CARDIOVASCULAR CONDITIONING	1.0
KNES 4	BEGINNING WEIGHT LIFTING	1.0
KNES 28	BEGINNING YOGA	1.0

KNES 68 *	WALKING FOR FITNESS	1.0
Individual Sports		
KNES 17	BEGINNING BOWLING	1.0
KNES 20	BEGINNING GOLF I	1.0
KNES 24	BEGINNING TENNIS I	1.0
KNES 25 *	BEGINNING TENNIS II	1.0
Team Sports		
KNES 70	BASKETBALL	1.0
KNES 72	BEGINNING SOCCER	1.0
KNES 76	BEGINNING VOLLEYBALL	1.0
KNES 77 *	INTERMEDIATE VOLLEYBALL	1.0
KNES 78 *	ADVANCED VOLLEYBALL	1.0
KNES 81	BEGINNING BEACH VOLLEYBALL	1.0

Select one additional Movement Based Skill course from the following six categories **Units:** 1.0-2.0

Aquatics		
KNES 41	SWIMMING FOR NONSWIMMERS	1.0-1.5
KNES 42 *	INTERMEDIATE SWIMMING	1.0-1.5
KNES 43 *	ADVANCED SWIMMING AND DIVING	1.0-1.5
KNES 44 *	AQUATIC CONDITIONING	1.0-1.5
KNES 49	AQUA AEROBICS	1.0-1.5
Combative		
KNES 90	BEGINNING SELF-DEFENSE	1.0
KNES 91 *	INTERMEDIATE SELF DEFENSE	1.0
KNES 199	STREET MARTIAL ARTS	1.0
Fitness		
KNES 1	CARDIOVASCULAR CONDITIONING	1.0-1.5
KNES 3	CIRCUIT WEIGHT TRAINING	1.0-1.5
KNES 4	BEGINNING WEIGHT LIFTING	1.0-2.0
KNES 5 *	INTERMEDIATE WEIGHT LIFTING	1.0-2.0
KNES 6 *	ADVANCED WEIGHT LIFTING	1.0-2.0
KNES 8	BEGINNING CARDIO KICKBOXING	1.0-1.5
KNES 10	CROSS TRAINING	1.0-1.5
KNES 28	BEGINNING YOGA	1.0-1.5
KNES 31	MUSCLE TONING FOR WOMEN	1.0-1.5
KNES 38 *	INTERMEDIATE MAT PILATES	1.0-1.5
KNES 39 *	INTERMEDIATE YOGA	1.0-1.5
KNES 40 *	ADVANCED YOGA	1.0-1.5
KNES 65	INTRODUCTION TO MAT PILATES	1.0-1.5
KNES 66	CORE TRAINING	1.0-1.5
KNES 68 *	WALKING FOR FITNESS	1.0
KNES 107	FITNESS ASSESSMENT AND SURVEY	1.0
KNES 130 *	BEGINNING TRIATHLON TRAINING	1.0
KNES 131 *	INTERMEDIATE TRIATHLON TRAINING	1.0
Individual Sports		

KNES 15 *	INTERMEDIATE CYCLING AND SPINNING	1.0
KNES 17	BEGINNING BOWLING	1.0
KNES 18 *	INTERMEDIATE BOWLING	1.0
KNES 19	BEGINNING CYCLING AND SPINNING	1.0
KNES 20	BEGINNING GOLF I	1.0
KNES 21 *	BEGINNING GOLF II	1.0
KNES 22 *	INTERMEDIATE GOLF	1.0
KNES 23 *	ADVANCED GOLF	1.0
KNES 24	BEGINNING TENNIS I	1.0-1.5
KNES 25 *	BEGINNING TENNIS II	1.0-1.5
KNES 26 *	INTERMEDIATE TENNIS	1.0-1.5
KNES 27 *	ADVANCED TENNIS	1.0-1.5
KNES 35 *	INTERMEDIATE SURFING	1.0
KNES 36 *	ADVANCED SURFING	1.0
KNES 63	BEGINNING ROCK CLIMBING	1.0
KNES 88 *	INTERMEDIATE ROCK CLIMBING	1.0
KNES 89 *	ADVANCED ROCK CLIMBING	1.0
Team Sports		
KNES 11	BEGINNING FLAG FOOTBALL	1.0
KNES 12 *	INTERMEDIATE FLAG FOOTBALL	1.0
KNES 13 *	ADVANCED FLAG FOOTBALL	1.0
KNES 70	BASKETBALL	1.0-1.5
KNES 71 *	ADVANCED BASKETBALL	1.0-1.5
KNES 72	BEGINNING SOCCER	1.0-1.5
KNES 73 *	ADVANCED SOCCER	1.0-1.5
KNES 76	BEGINNING VOLLEYBALL	1.0
KNES 77 *	INTERMEDIATE VOLLEYBALL	1.0
KNES 78 *	ADVANCED VOLLEYBALL	1.0
KNES 81	BEGINNING BEACH VOLLEYBALL	1.0
KNES 84 *	INTERMEDIATE BEACH VOLLEYBALL	1.0
KNES 85 *	ADVANCED BEACH VOLLEYBALL	1.0
KNES 175	FUTSAL-INDOOR SOCCER	1.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 27.5-32.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

KINESIOLOGY - AA-T Degree

Summary

The Kinesiology major consists of courses appropriate for an Associate in Arts in Kinesiology for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline, and preparation for transfer to any CSU that accepts the AA-T. Students who complete the Associate in Arts in Kinesiology for Transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate a beginning level of knowledge, skill, theory and strategy in at least one sport or physical activity.
- Explain and apply basic physiological principles of human movement in exercise and sports settings.
- Demonstrate an understanding of the structure and function of the body in human performance.
- Recognize the principles of physical fitness development and maintenance as well as the body's responses to physical activity.
- Acquire an understanding of those factors instrumental in the development and performance of motor skills.
- Demonstrate an understanding of the value and significance of physical activity for human interactions, and quality of life.
- Analyze the history, research, and current information in Kinesiology and their current applications.
- Use campus and/or community resources to participate actively in their own education.
- Display leadership, cooperation, sportsmanship and integrity through active participation in fitness and sports.
- Encourage and promote the value of lifelong learning and quality of life through health, sport, fitness and physical activity.

Requirements

Required Core: **Units:** 14.0-15.5

KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
AND		
Select a maximum of one course each from any three of the following movement-based course areas:		3.0-4.5
Aquatics		
KNES 41	SWIMMING FOR NONSWIMMERS	1.0-1.5
KNES 42 *	INTERMEDIATE SWIMMING	1.0-1.5
KNES 44 *	AQUATIC CONDITIONING	1.0-1.5
Combatives		
KNES 90	BEGINNING SELF-DEFENSE	1.0
Fitness		
KNES 1	CARDIOVASCULAR CONDITIONING	1.0-1.5
KNES 8	BEGINNING CARDIO KICKBOXING	1.0-1.5

KNES 50	AEROBIC DANCE	1.0
KNES 65	INTRODUCTION TO MAT PILATES	1.0-1.5
Individual Sports		
KNES 20	BEGINNING GOLF I	1.0
KNES 24	BEGINNING TENNIS I	1.0-1.5
KNES 25 *	BEGINNING TENNIS II	1.0-1.5
KNES 26 *	INTERMEDIATE TENNIS	1.0-1.5
Team Sports		
KNES 70	BASKETBALL	1.0-1.5
KNES 71 *	ADVANCED BASKETBALL	1.0-1.5
KNES 72	BEGINNING SOCCER	1.0-1.5
KNES 76	BEGINNING VOLLEYBALL	1.0
KNES 77 *	INTERMEDIATE VOLLEYBALL	1.0
KNES 81	BEGINNING BEACH VOLLEYBALL	1.0

List A: Select two courses from the following **Units:** 6.0-10.0

BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
OR		
CHEM 1A *	GENERAL CHEMISTRY	5.0
PHYS 2A *	INTRODUCTION TO PHYSICS	5.0
OR		
PHYS 4A *	GENERAL PHYSICS	5.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
OR		
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0

Total: 20.0-25.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

KINESIOLOGY - EXERCISE SCIENCE - A.A. Degree

Summary

The Kinesiology - Exercise Science A.A. degree is designed to prepare students for higher education and careers in athletic training, physical therapy, and other exercise physiology/science-related fields. Students will obtain essential knowledge and skills to examine human movement, analyze the effects of physical activity on the body, and

apply preventative and rehabilitative theories and techniques. Students will study foundational anatomy, physiology, biomechanics, and components of fitness, while exploring the fundamentals of kinesiology and related fields in the allied healthcare continuum. This program provides an educational background suitable for assistant and aide positions in physical therapist offices, athletic training facilities, health and wellness institutions, as well as training and coaching positions in fitness and sports centers. Many of the courses in this degree will transfer to kinesiology and/or exercise science baccalaureates as well as demonstrate achievement of knowledge and skills necessary to be successful in accredited athletic training and/or physical therapist programs.

Learning Outcome(s):

- Demonstrate an understanding of foundational anatomy and physiology.
- Demonstrate an understanding of the components of fitness and how to assess them.
- Analyze biomechanics of human movement.
- Explain the effects of physical activity and training on health and performance.
- Apply preventative and rehabilitative techniques for physical activity, training, and playing sports.

Requirements

Required Core: **Units:** 26.0-34.0

KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 52	FUNDAMENTALS OF HUMAN MOVEMENT	3.0
KNES 53	INTRODUCTION TO ATHLETIC TRAINING	3.0
KNES 107	FITNESS ASSESSMENT AND SURVEY	1.0
Select one		0.0-4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0
OR		
One year of high school chemistry with a grade of "C" or better		
Select one		0.0-4.0
BIOL C1000	Introduction to Biology with Lab	4.0
OR		
One year of high school biology with a grade of "C" or better		
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0
MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 26.0-34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

KINESIOLOGY - SPORTS ADMINISTRATION - A.A. Degree

Summary

The Kinesiology - Sports Administration A.A. degree is designed to prepare students with essential knowledge and skills in the field of sports administration. The curriculum in this program provides transfer preparation for students interested in pursuing further education in Kinesiology with a degree emphasis in sports administration or sports management. This degree is ideal for those aspiring to pursue higher education or enter the workforce in this growing industry. With a wellrounded curriculum this program offers knowledge in areas such as sports management, event planning, facility operations, sports marketing, sports law, ethics, leadership, business principles, and basic finance and accounting. This program provides an educational background suitable for entry-level job positions as an assistant for recreation programming, sports marketing, facility operations, and athletic program coordination, in such environments as recreations centers, community sports organizations, youth programs, and schools. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Learning Outcome(s):

- Apply fundamental sports management principles and leadership techniques within various roles of sports administration and organizations.
- Plan, coordinate, and manage sports events and facilities, ensuring efficient operations and safety compliance.
- Create effective sports marketing and promotional strategies to engage target audiences, increase visibility, and promote sports programs and events.
- Identify and evaluate key legal and ethical issues in sports, including liability, contracts, and the ethical responsibilities of sports administrators.
- Apply basic finance and accounting principles to manage budgets, financial statements, and resource allocations within sports context.
- Apply psychological strategies that support athlete performance, resilience, and motivation.

Requirements

Required Core: **Units:** 19.0

KNES 51	INTRODUCTION TO KINESIOLOGY	3.0
KNES 46	SPORTS AND SOCIETY	3.0
KNES 105	MENTAL SKILLS FOR SPORTS PERFORMANCE	3.0
KNES 148	INTRODUCTION TO SPORTS ADMINISTRATION	3.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
Select one		3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.0

KITCHEN AND BATH DESIGN - Certificate of Achievement

Summary

The Kitchen and Bath Design Certificate of Achievement prepares students for careers in residential kitchen and bath design. As an NKBA-affiliated program, coursework emphasizes industry standards and provides training in design planning, technical drawing, digital design, and client presentations. Students develop skills in space planning, materials and specifications, lighting, and building codes specific to kitchen and bath environments, while building professional portfolios and gaining practical experience through internships in the field to support career entry or advancement. This certificate supports employment in residential design firms, kitchen and bath showrooms, and design-build companies. Courses in this program may be applied toward the Interior Design A.S. degree and other Interior Design certificates. Graduates also gain the educational foundation required to pursue the National Kitchen & Bath Association (NKBA) Certification pathways, along with the required industry work experience and examinations.

Learning Outcome(s):

- Demonstrate knowledge of NKBA planning guidelines, codes, materials, products, lighting, and construction methods specific to kitchen and bath environments.
- Utilize computer-aided drafting, visualization, and presentation techniques to communicate kitchen and bath design solutions.
- Apply acquired design knowledge and technical skills to develop professional kitchen and bath projects for residential environments.
- Gain practical experience through internships and prepare portfolios for entry-level employment in the kitchen and bath design industry.

Requirements

Required Core: **Units:** 38.0

ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
ID 116 *	INTERIOR MATERIALS AND PRODUCTS	3.0
ID 111 *	INTERIOR DESIGN STUDIO I	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 128 *	BUSINESS AND PROFESSIONAL PRACTICE FOR INTERIOR DESIGN	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
ID 214 *	BATH DESIGN	3.0
ID 215 *	KITCHEN DESIGN	3.0
Select one		3.0
ID 134 *	ADVANCED CAD FOR INTERIOR DESIGN	3.0
OR		
ID 136 *	REVIT FOR INTERIOR DESIGN	3.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
ID 129 *	INTERIOR DESIGN PORTFOLIO	1.0
ID 180WE *	INTERIOR DESIGN WORK EXPERIENCE	2.0

Restricted Electives: Select two courses **Units:** 6.0

ID 132 *	INTERIOR BUILDING SYSTEMS AND CODES	3.0
ID 127 *	FUNDAMENTALS OF LIGHTING	3.0
ID 121 *	SPACE PLANNING	3.0
ID 118 *	DIGITAL PRESENTATION FOR INTERIOR DESIGN	3.0

Total: 44.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

KOREAN - A.A. Degree

Summary

The curriculum in the Korean program is designed to provide the student the opportunity to achieve an Associate of Arts in Korean degree by providing the necessary breadth in the field. Students who complete the Korean Associate of Arts will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A Korean degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the Korean program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in Korean degree.

Learning Outcome(s):

- Accurately interpret written texts in Korean.
- Accurately interpret spoken language in Korean.
- Demonstrate proficient conversational skills in Korean.
- Demonstrate knowledge of the history, politics, literature, culture and arts of the Korean speaking countries as well as people who speak Korean.

Requirements

Required Core: **Units:** 23.0

KOR 1 *	ELEMENTARY KOREAN	5.0
KOR 2 *	ELEMENTARY KOREAN	5.0
KOR 3 *	INTERMEDIATE KOREAN	5.0
KOR 4 *	INTERMEDIATE KOREAN	5.0
KOR 21 *	INTRODUCTION TO KOREAN CULTURE	3.0

Associate of Arts

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

LAW, PUBLIC POLICY, AND SOCIETY - AA-T Degree

Summary

The Law, Public Policy, and Society Associate in Arts Degree for Transfer (ADT) is designed to prepare students for a seamless transfer into the California State University (CSU) system to complete a baccalaureate degree in Law, Public

Policy, and Society or similar majors such as Sociology, Anthropology, Criminal Justice, Communications, Political Science, Philosophy, Public Administration, Linguistics, American Studies, and Humanities.

This interdisciplinary degree focuses on the development of communication and critical thinking skills, introduces students to the legal field, and prepares students for further study in a variety of majors.

While an associate degree may support attempts to gain entry-level employment or promotion in fields such as business, government, social service, education and law, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer. Students who complete this degree receive priority admission to the CSU system, though admission to a specific campus is not guaranteed.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Analyze social science concepts and theories.
- Evaluate diverse viewpoints related to the human experience.
- Produce evidence-based arguments.

Requirements

Required Core: **Units:** 25.0

Select either:		3.0
HS 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
OR		
SOC 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
Complete:		3.0
PHIL 15	INTRODUCTION TO ETHICS	3.0
Select either:		3.0
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0
Select either:		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one:		3.0
COMM 2 *	PERSUASION	3.0
COMM 3	ARGUMENTATION AND DEBATE	3.0
ENGL C1001 *	Critical Thinking and Writing	3.0
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
PHIL 12	INTRODUCTION TO LOGIC	3.0
Select one:		3.0

BUS 10 *	BUSINESS STATISTICS	3.0
STAT C1000 *	Introduction to Statistics	3.0
STAT C1000H *	Introduction to Statistics - Honors	3.0
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select either:		3.0
HIST C1001	United States History to 1877	3.0
HIST C1002	United States History since 1865	3.0
Select either:		3.0
POLS C1000	American Government and Politics	3.0
POLS C1000H	American Government and Politics - Honors	3.0

List A: Select two courses from two of the areas listed below **Units:** 6.0

Area 1: Administrative of Justice/Criminal Justice/Criminology		
HS 128	COMMUNITY-BASED CORRECTIONS	3.0
HS 187	JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION	3.0
Area 2: Business		
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Area 3: Economics		
ECON C2001 *	Principles of Microeconomics	3.0
ECON C2001H *	Principles of Microeconomics - Honors	3.0
ECON C2002 *	Principles of Macroeconomics	3.0
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
Area 4: Political Science		
PS 4	INTRODUCTION TO POLITICAL SCIENCE	3.0
PS 10H	HONORS POLITICAL THEORY	3.0
PS 12	COMPARATIVE POLITICS AND GOVERNMENT	3.0
PS 14	INTERNATIONAL RELATIONS	3.0
Area 5: Public Policy		
GLST 1 *	INTRODUCTION TO GLOBAL STUDIES	3.0
GLST 2 *	GLOBAL ISSUES	3.0
SOC 2	SOCIAL PROBLEMS	3.0
SOC 2H	HONORS SOCIAL PROBLEMS	3.0
Area 6: Diversity		
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
GEOG 2	CULTURAL GEOGRAPHY	3.0
GEOG 2H	HONORS CULTURAL GEOGRAPHY	3.0
SOC 21	WOMEN IN CONTEMPORARY SOCIETY	3.0
SOC 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
OR		

ES 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
Area 7: College Success		
COUN 40	COLLEGE AND CAREER SUCCESS	3.0
Area 8: Internship/Fieldwork		
INTS 180WE	GENERAL WORK EXPERIENCE	3.0

Total: 31.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

LEVEL I - INTERIOR DESIGN FOUNDATIONS - Certificate of Achievement

Summary

The Level I - Interior Design Foundations certificate is designed to develop the fundamental skills necessary for entry-level employment in interior design related fields. Level I curriculum focuses on exploring design elements and principles, color theories, history of interior architecture and furnishings, materials and products, developing visual communication skills using freehand and computer-aided drawing and drafting, and acquiring knowledge of the design process. This certificate provides the foundation for going on to advanced certificates and the AS degree in interior design. Entry-level positions include design consultants and sales specialists in design showrooms, furniture and finishes stores, interior decorators, color specialists, manufacturer's representatives, event planners, and home stagers. The program also offers coursework for professional improvement.

Learning Outcome(s):

- Demonstrate knowledge of elements and principles of design, color theories, historical styles, and interior products.
- Use freehand and computer-aided drawing, drafting, and presentation techniques for effective visual communication.
- Apply the design process and critical thinking to develop interior design concepts.
- Acquire foundational skills and knowledge of interior design to progress to Level II - Interior Design leading to the Certificate of Achievement and AS degree.

Requirements

Required Core: **Units:** 26.0

ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
Select one		3.0
ID 133	SKETCHING AND RENDERING FOR INTERIOR DESIGN	3.0
OR		
ID 123	INTERIOR DESIGN ILLUSTRATION	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 111 *	INTERIOR DESIGN STUDIO I	3.0
ID 116	INTERIOR MATERIALS AND PRODUCTS	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0

Total: 26.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Associate Degree will be awarded for Level II only.

LEVEL II - INTERIOR DESIGN - Certificate of Achievement

Summary

The Level II - Interior Design certificate builds upon the Level I coursework to prepare students for employment as entry-level designers. It includes knowledge of design and color theories, interior design history, lighting, space planning, materials and products, building systems, and codes. Students acquire skills in manual and computer-aided design and drafting (CADD), rendering, visualization, and presentation and practice developing interior design solutions for residential and commercial environments. Employment opportunities include design assistants for residential and model home designers, color or lighting consultants, CADD specialists, 3D renderers, e-designers, design journalists, space planners, or interior design positions as part of a larger design team. Students who complete the Level II certificate will meet the minimum educational requirements set by the California Council for Interior Design Certification (CCIDC) for eligibility to sit for the Interior Design Exam (IDEX), the first step towards pursuing a qualification as a Certified Interior Designer (CID). This program prepares students for the Level III - Interior Design Professional certificate and the A.S. degree in Interior Design and also offers coursework for professional improvement.

Learning Outcome(s):

- Demonstrate knowledge of design and color theories, interior design history, products and materials, space planning, lighting, building systems and codes.
- Utilize manual and computer-aided drawing, rendering, visualization, and presentation techniques for effective visual communication.
- Apply the design process and critical thinking to develop interior design solutions for residential and commercial environments.
- Acquire interior design skills and knowledge to pursue the Level III - Interior Design Professional certificate and the A.S. degree in Interior Design.

Requirements

Required Core: **Units:** 44.0

ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
Select one		3.0
ID 133	SKETCHING AND RENDERING FOR INTERIOR DESIGN	3.0
OR		
ID 123	INTERIOR DESIGN ILLUSTRATION	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 111 *	INTERIOR DESIGN STUDIO I	3.0
ID 116	INTERIOR MATERIALS AND PRODUCTS	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
ID 118 *	DIGITAL PRESENTATION FOR INTERIOR DESIGN	3.0
ID 121 *	SPACE PLANNING	3.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
ID 132 *	INTERIOR BUILDING SYSTEMS AND CODES	3.0
ID 126 *	INTERIOR DESIGN STUDIO II	3.0
ID 127 *	FUNDAMENTALS OF LIGHTING	3.0

Total: 44.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Associate Degree will be awarded for Level II only.

LEVEL III - INTERIOR DESIGN PROFESSIONAL - Certificate of Achievement

Summary

The Level III - Interior Design Professional certificate builds upon the Level II coursework to prepare students for employment as entry level professional Interior Designers. It includes knowledge of interior design theory and history, space planning, products and materials, design process, professional practice, and building systems and codes. Students improve computer-aided design, visualization, and communication skills, prepare portfolios, develop design solutions for specialized interior environments, and gain practical experience via internships within the Interior Design field. Employment opportunities include entry-level professional interior designers, CADD specialists, renderers, or designer positions in larger design teams with architects and builders. Students who complete the Level III certificate will meet the minimum required units and educational standards for eligibility to sit for the National Council for Interior Design Qualification Exam (NCIDQ), the first step towards pursuing a qualification as an NCIDQ Certified Interior Designer, the global standard for interior design professionals. This program also offers coursework for professional development.

Learning Outcome(s):

- Demonstrate knowledge of design theory and history, space planning, products and materials, design process, professional practice, and building systems and codes.
- Utilize advanced computer-aided design, visualization, and presentation techniques for effective communication.
- Apply acquired interior design knowledge and skills to develop interior design solutions for specialized interior environments.
- Gain practical experience via internships and prepare portfolios for entry level employment as professional interior designers.

Requirements

Required Core: **Units:** 53.0

ID 110	FUNDAMENTALS OF INTERIOR DESIGN	3.0
ID 112	DRAFTING FOR INTERIORS	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0
Select one		3.0
ID 133	SKETCHING AND RENDERING FOR INTERIOR DESIGN	3.0
OR		
ID 123	INTERIOR DESIGN ILLUSTRATION	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
ID 111 *	INTERIOR DESIGN STUDIO I	3.0
ID 116	INTERIOR MATERIALS AND PRODUCTS	3.0
ID 22	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I	3.0
ID 25	HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II	3.0
ID 118 *	DIGITAL PRESENTATION FOR INTERIOR DESIGN	3.0
ID 121 *	SPACE PLANNING	3.0
ID 131 *	DIGITAL VISUALIZATION FOR INTERIOR DESIGN	3.0
ID 132 *	INTERIOR BUILDING SYSTEMS AND CODES	3.0
ID 126 *	INTERIOR DESIGN STUDIO II	3.0
ID 127 *	FUNDAMENTALS OF LIGHTING	3.0

ID 128 *	BUSINESS AND PROFESSIONAL PRACTICE FOR INTERIOR DESIGN	3.0
ID 129 *	INTERIOR DESIGN PORTFOLIO	1.0
ID 180WE *	INTERIOR DESIGN WORK EXPERIENCE	2.0
Select one		3.0
ID 134 *	ADVANCED CAD FOR INTERIOR DESIGN	3.0
OR		
ID 136 *	REVIT FOR INTERIOR DESIGN	3.0

Restricted Specialization Studio Electives: Select one course **Units:** 3.0

ID 210 *	HOSPITALITY DESIGN	3.0
ID 214 *	BATH DESIGN	3.0
ID 215 *	KITCHEN DESIGN	3.0

Restricted Electives: Select 4-5 units **Units:** 4.0-5.0

ID 123 £	INTERIOR DESIGN ILLUSTRATION	3.0
ID 133 £	SKETCHING AND RENDERING FOR INTERIOR DESIGN	3.0
ID 134 * £	ADVANCED CAD FOR INTERIOR DESIGN	3.0
ID 136 * £	REVIT FOR INTERIOR DESIGN	3.0
ID 210 * £	HOSPITALITY DESIGN	3.0
ID 214 * £	BATH DESIGN	3.0
ID 215 * £	KITCHEN DESIGN	3.0
ID 180WE *	INTERIOR DESIGN WORK EXPERIENCE	2.0
ARCH 231	LEED AND SUSTAINABLE ARCHITECTURE	3.0
ARCH 261	ORANGE AND SAN DIEGO ARCHITECTURE	1.0
ARCH 262	LOS ANGELES ARCHITECTURE	1.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
FASH 31	TEXTILES	3.0
GC 208 *	SURFACE DESIGN I	3.0
HORT 7	INTRODUCTION TO LANDSCAPE DESIGN	3.0
HORT 239	FENG SHUI AND WELL BEING	2.0

Total: 60.0-61.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
£ If course not already used for Required Core or Restricted Specialization Studio Electives units.

LIBERAL STUDIES - A.A. Degree

Summary

The curriculum in the Liberal Studies Associate Degree program is designed for students transferring to a four-year college or university intending to pursue a Liberal Studies major.

Students planning to transfer to California State University (CSU), the University of California (UC), or an institution that accepts certification, should complete general education requirements for the associate degree by completing the California General Education Transfer Curriculum (Cal-GETC).

Learning Outcome(s):

- Explain the values of a culture as expressed through its art or language.
- Demonstrate effective expository and persuasive writing skills.
- Develop a reasoned solution to a problem.
- Evaluate new and accepted ideas about the natural universe using testable methodology.
- Evaluate the methods of inquiry and evidence used in the behavioral and social sciences.

Requirements

Required Core: **Units:** 19.0-21.0

Select one		4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		3.0
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0
OR		
COMM C1004	Interpersonal Communication	3.0
Select one		3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0
Group A: Select one course		3.0
COMM 2 *	PERSUASION	3.0
OR		
COMM 3	ARGUMENTATION AND DEBATE	3.0
OR		
ENGL C1001 *	Critical Thinking and Writing	3.0
OR		
ENGL C1001H *	Critical Thinking and Writing - Honors	3.0
OR		
ENG 70 *	CRITICAL THINKING, READING, AND WRITING	3.0
OR		
PHIL 12	INTRODUCTION TO LOGIC	3.0
Group B: Select one course		3.0
HIST C1001	United States History to 1877	3.0
OR		
HIST C1002	United States History since 1865	3.0
OR		
HIST 22	SURVEY OF UNITED STATES HISTORY	3.0
Group C: Select one course		3.0-5.0
MATH 2 *	PRE-CALCULUS MATHEMATICS	5.0
OR		
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
OR		
MATH C2220 *	Calculus II: Early Transcendentals	5.0
OR		
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
OR		

MATH 8 *	COLLEGE ALGEBRA FOR BRIEF CALCULUS	5.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
MATH 11 *	A BRIEF COURSE IN CALCULUS	5.0
OR		
MATH 14 *	MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS	5.0
OR		
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
OR		
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0
OR		
MATH 103 *	MATHEMATICAL IDEAS	3.0
OR		
MATH 124 *	TRIGONOMETRY	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.0-21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

LIBRARY TECHNICIAN - Certificate of Achievement

Summary

The Library Technician Certificate of Achievement prepares individuals for employment for entry-level staff positions such as library technician, library assistant, library specialist, circulation clerk, or library technical assistant in a variety of library settings. Emphasis is on effective oral and written communication, interpersonal skills, competent use of technology, and various library systems and operations related to day-to-day duties in a library setting.

Learning Outcome(s):

- Demonstrate effective oral and written communication.
- Demonstrate proficiency in Microsoft Office applications and other computer technology.
- Demonstrate knowledge of and searching for online and print library materials.

Requirements

Required Core: **Units:** 14.0-15.0

LIB 100	BASIC INFORMATION COMPETENCY SKILLS, LIBRARY RESEARCH	1.0
LIB 2H *	HONORS ADVANCED INFORMATION COMPETENCY, ONLINE SEARCHING	3.0
Select one		3.0-4.0
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
OR		
BUS 103	BUSINESS ENGLISH	3.0
Select one		3.0
COMM C1000	Introduction to Public Speaking	3.0
OR		
COMM C1000H	Introduction to Public Speaking - Honors	3.0
OR		
COMM C1004	Interpersonal Communication	3.0
OR		
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
Select one		3.0
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
Complete		1.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0

Total: 14.0-15.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

LICENSED VOCATIONAL NURSE (LVN) TO REGISTERED NURSE (RN) 30-UNIT OPTION - Certificate of Achievement

Summary

BRN Rules and Regulations

Section 1429 - Preparation Required for Licensed Vocational Nurses

a. An applicant who is licensed in California as a vocational nurse is eligible to apply for licensure as a registered nurse if such applicant has successfully completed the courses prescribed below and meets all the other requirements set forth in Section 2736 of the code. Such applicant shall submit evidence to the board, including a transcript, of successful completion of the requirements set forth in subsection (c) and of successful completion or challenge of courses in physiology and microbiology comparable to such courses required for licensure as a registered nurse.

b. The school shall offer objective counseling of this option and evaluate each licensed vocational nurse applicant for admission to its registered nursing program on an individual basis. A school's determination of the prerequisite courses required of a licensed vocational nurse applicant shall be based on an analysis of each applicant's academic deficiencies, irrespective of the time such courses were taken.

c. The additional education required of licensed vocational nurse applicants shall not exceed a maximum of thirty (30) semester or forty-five (45) quarter units. Courses required for vocational nurse licensure do not count toward fulfillment of the additional education requirement. However, other courses comparable to those required for licensure as a registered nurse, as specified in Section 1426, may be counted toward fulfillment of the additional education requirement. Nursing courses shall be taken in an accredited school and shall be beyond courses

equivalent to the first year of professional nursing courses. The nursing content shall include nursing intervention in acute, preventive, remedial, supportive, rehabilitative, and teaching aspects of nursing. Theory and courses with concurrent clinical practice shall include advanced medical-surgical, mental health, psychiatric nursing, and geriatric nursing. The nursing content shall include the basic standards for competent performance prescribed in Section 1443.5 of these regulations. This option is available to all LVNs entering the Saddleback College Nursing program. Persons electing this 30-unit option will be eligible to write the State board exam but will not be graduates of the Saddleback College Nursing program.

Admission of VNs to the Nursing program is on a space-available basis. To be placed on the wait list requires:

1. Proof of satisfactory completion of an accredited VN program or a current California VN license.
2. Completion of BIO 12*, BIO 15*, and N 162* with grades of "C" or better and with a GPA of 2.5 or greater.
3. Attendance at "LVN to RN" guidance session.
4. Applicant must commit, in writing, to the 30-unit status prior to or during application.
5. Application submitted with the Director/Assistant Director of Nursing.
6. Completion of standardized Assessment Technology Institute (ATI) test or HESI A2 Exam at or above designated cut scores.
7. Proof of completion of a minimum of one (1) year of direct patient care as an LVN.

Consideration will be given to each applicant's prior education in determining placement into the program. All classes are challengeable.

Learning Outcome(s):

- Integrate biopsychosocial concepts and theories, critical thinking, clinical reasoning, and clinical judgment to apply the nursing process to promote quality patient-centered care.
- Promote and maintain a safe environment by integrating current evidence-based practice, the nursing process, and skill competency to deliver quality health care.
- Communicate effectively with patients, families, and the inter-professional health care team to achieve quality patient care.
- Demonstrate the knowledge, skills, and attitudes required of the professional nurse as defined by the California Nurse Practice Act and standards of nursing practice.

Requirements

Required Core: **Units:** 30.0

BIO 12 *	HUMAN PHYSIOLOGY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
N 172 *	MEDICAL-SURGICAL NURSING	3.5
N 172L *	MEDICAL-SURGICAL NURSING LAB	5.0
N 165	LIFECYCLE 1, FUNDAMENTALS OF AGING	1.5
N 171 *	MENTAL HEALTH NURSING	2.0
N 171L * #	MENTAL HEALTH NURSING LAB	1.0
N 176 * # ¥	ADVANCED NURSING	3.0
N 176L * # ¥	ADVANCED NURSING LAB	5.0

Total: 30.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
# Clinical course
¥ Fulfills the Management & Leadership and Advanced Medical-Surgical requirement

LOGISTICS AND PHYSICAL DISTRIBUTION - A.S. Degree

Summary

The Logistics and Physical Distribution Associate of Science degree prepares students to manage and coordinate logistical functions in an enterprise, ranging from acquisitions to receiving and handling, through internal allocation of resources to operations units, to the handling and delivery of output. Topics include integrated Supply Chain

Management (SCM), demand planning, logistics, transportation and distribution systems, supply management, warehousing, inventory management, order fulfillment, and customer service. The supply chain management courses required for this degree prepare students to sit for the Council of Supply Chain Management Professionals (CSCMP) SCPro™ Fundamentals certifications in SCM Principles, Transportation Operations, Warehousing Operations, Inventory Management, and Customer Service Operations. Certification exams are included in the coursework.

Among the jobs supported by this program are assistants, clerks, supervisors, and managers of acquisitions and purchasing, inventory control, storage and handling, just-in-time manufacturing and distribution, logistics planning, shipping and delivery, transportation, quality control, resource estimation and allocation, and budgeting.

Learning Outcome(s):

- Communicate effectively regarding information and issues related to logistics and physical distribution.
- Compare various modes of transportation and their contributions to the U.S. economy.
- Explain the nature of transportation risk and disruptions.
- Distinguish successful transportation and traffic management strategies.
- Describe and participate in functions associated with warehouse operations, including receiving, storage, picking and packing, and outbound distribution.
- Explain the role and management of inventory in the supply chain.
- Describe and participate in customer service and customer relations management as they relate to warehouse/distribution center operations.
- Relate and evaluate elements of workplace safety, health, and a secure working environment as required by regulatory agencies.
- Explain and illustrate principles of supply chain management and demand planning.
- Explain and illustrate just-in-time material management.
- Apply math skills related to inventory, distribution, and shipping functions.
- Apply computer information skills related to inventory, distribution, and shipping functions.

Requirements

Required Core: **Units:** 36.0-39.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
Select one		3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
OR		
COMM 20	INTERCULTURAL COMMUNICATION	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0

OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
BUS 226	WAREHOUSE AND INVENTORY MANAGEMENT	3.0
BUS 230	CUSTOMER SERVICE AND ORDER FULFILLMENT	1.0
Select one		3.0-4.0
ACCT 1A	FINANCIAL ACCOUNTING	4.0
OR		
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
BUS 205	BUSINESS MATH	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 36.0-39.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

LOGISTICS AND PHYSICAL DISTRIBUTION - Certificate of Achievement

Summary

The Logistics and Physical Distribution Certificate of Achievement prepares students to manage and coordinate logistical functions in an enterprise, ranging from acquisitions to receiving and handling, through internal allocation of resources to operations units, to the handling and delivery of output. Topics include integrated Supply Chain Management (SCM), demand planning, logistics, transportation and distribution systems, supply management, warehousing, inventory management, order fulfillment, and customer service. The supply chain management courses required for this certificate prepare students to sit for the Council of Supply Chain Management Professionals (CSCMP) SCPro™ Fundamentals certifications in SCM Principles, Transportation Operations, Warehousing Operations, Inventory Management, and Customer Service Operations. Certification exams are included in the coursework.

Among the jobs supported by this program are assistants, clerks, supervisors, and managers of acquisitions and purchasing, inventory control, storage and handling, just-in-time manufacturing and distribution, logistics planning, shipping and delivery, transportation, quality control, resource estimation and allocation, and budgeting.

Learning Outcome(s):

- Communicate effectively regarding information and issues related to logistics and physical distribution.
- Compare various modes of transportation and their contributions to the U.S. economy.
- Explain the nature of transportation risk and disruptions.
- Distinguish successful transportation and traffic management strategies.
- Describe and participate in functions associated with warehouse operations, including receiving, storage, picking and packing, and outbound distribution.
- Explain the role and management of inventory in the supply chain.
- Describe and participate in customer service and customer relations management as they relate to warehouse/ distribution center operations.
- Relate and evaluate elements of workplace safety, health, and a secure working environment as required by regulatory agencies.
- Explain and illustrate principles of supply chain management and demand planning.
- Explain and illustrate just-in-time material management.
- Apply math skills related to inventory, distribution, and shipping functions.

Requirements

Required Core: **Units:** 23.0-25.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
BUS 226	WAREHOUSE AND INVENTORY MANAGEMENT	3.0
BUS 230	CUSTOMER SERVICE AND ORDER FULFILLMENT	1.0

Total: 23.0-25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MARKETING - A.S. Degree

Summary

The Marketing Associate of Science degree is designed to improve student success in the fields of marketing, marketing management, social media marketing and e-commerce. Its goals are to prepare new employees for such positions and to upgrade the skills of employees already holding such positions. Personal selling, retailing, and advertising are restricted electives that may be chosen according to students' interests. The program is built on a solid foundation of introductory business concepts, business law, and business communications.

Learning Outcome(s):

- Apply classic and contemporary marketing principles and techniques including problem solving, pricing, distribution, promotion.
- Prepare business documents and reports using Internet and other research sources accurately and appropriately and using appropriate visual representation in the form of graphs and/or tables.
- Plan, design, and implement new technologies, including social media and e-commerce.
- Behave appropriately in a workplace, following business policies and procedures and directions and using independent judgment as needed and using decision-making skills to solve problems.
- Identify the fundamentals of legal systems, and technological, social, ethical, global, and political forces affecting the development and operation of businesses.
- Solve problems through hands-on projects to develop computer-based solutions to business problems.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Identify the various forms of business entities and identify distinguishing characteristics among them.
- Communicate clearly and effectively, orally and in writing, in the business workplace environment.
- Apply principles of business management to analyze and propose solutions to business problems.
- Apply mathematical skills and knowledge to answer marketing questions or describe business characteristics.

Requirements

Required Core: **Units:** 29.0-31.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
BUS 120	BUSINESS MANAGEMENT	3.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
Select one		3.0
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 10 *	BUSINESS STATISTICS	3.0

OR		
BUS 205	BUSINESS MATH	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 135	MARKETING	3.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Restricted Electives: Select two courses (5-7 units) **Units:** 5.0-7.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 109	E-COMMERCE MARKETING	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 136	PRINCIPLES OF RETAILING	3.0
BUS 137	PROFESSIONAL SELLING FUNDAMENTALS	3.0
BUS 138	ADVERTISING	3.0
OR		
CTVR 138	ADVERTISING	3.0
BUS 150	INTERNATIONAL BUSINESS	3.0
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0-4.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 34.0-38.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MARKETING - Certificate of Achievement

Summary

The Marketing Certificate of Achievement offers a focus on courses designed to improve student success in the fields of marketing, marketing management, social media marketing and e-commerce. Its goal is to prepare new employees

for such positions and to upgrade the skills of employees already holding such positions. Personal selling, retailing, and advertising are restricted electives that may be chosen according to students' interests. The program is built on a solid foundation of introductory business concepts, business law, and business communications.

Learning Outcome(s):

- Apply classic and contemporary marketing principles and techniques including problem solving, pricing, distribution, promotion, and uses of new technologies, including social media and ecommerce.
- Identify the fundamentals of legal systems, and social, ethical, and political forces affecting the development and operation of businesses.
- Describe the functions of business in society including the major concepts related to business ownership and the factors that influence them; competition and marketing; and the systems, technologies, and operational controls through which business organizations operate.
- Communicate clearly, effectively, and appropriately in writing and orally.

Requirements

Required Core: **Units:** 19.0-21.0

Select one		3.0
BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
Select one		3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 104 *	BUSINESS COMMUNICATION	3.0
Select one		3.0-4.0
BUS 103	BUSINESS ENGLISH	3.0
OR		
ENGL C1000 *	Academic Reading and Writing	4.0
OR		
ENGL C1000H *	Academic Reading and Writing - Honors	4.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 135	MARKETING	3.0

Restricted Electives: Select two courses (5-7 units) **Units:** 5.0-7.0

BUS 10 *	BUSINESS STATISTICS	3.0
OR		
ACCT 215	GENERAL ACCOUNTING	3.0
OR		
BUS 205	BUSINESS MATH	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0

OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 109	E-COMMERCE MARKETING	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 136	PRINCIPLES OF RETAILING	3.0
BUS 137	PROFESSIONAL SELLING FUNDAMENTALS	3.0
BUS 138	ADVERTISING	3.0
OR		
CTVR 138	ADVERTISING	3.0
BUS 150	INTERNATIONAL BUSINESS	3.0
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0-4.0
BUS 182	LOGISTICS AND TRANSPORTATION MANAGEMENT	3.0
BUS 183	INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING	3.0
CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0

Total: 24.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MATHEMATICS - A.A. Degree

Summary

The curriculum in the Mathematics Associate Degree program is designed to provide the transfer student the opportunity to achieve an associate degree. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate degree may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Demonstrate computational skills at a variety of levels.
- Apply critical thinking skills.
- Demonstrate proficiency in graphing.

Requirements

Required Core: **Units:** 23.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Complete		18.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

Restricted Electives: Select one course **Units:** 3.5

CS 1B *	INTRODUCTION TO COMPUTER SCIENCE II	3.5

CS 4A *	INTRODUCTION TO JAVA FOR COMPUTER SCIENCE	3.5

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 26.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MATHEMATICS 2.0 - AS-T Degree

Summary

The curriculum in the Mathematics program is designed to provide the transfer student the opportunity to achieve an Associate in Science in Mathematics 2.0 for Transfer degree by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education. Students who complete the Associate in Science Degree in Mathematics 2.0 for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer. This degree is UC Transfer Pathway (UCTP) aligned, please meet with a counselor for more information.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate computational skills at a variety of levels.
- Apply critical thinking skills.
- Demonstrate proficiency in graphing.

Requirements

Required Core: **Units:** 23.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		

MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Complete		18.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0
MATH 24 *	ELEMENTARY DIFFERENTIAL EQUATIONS	4.0
MATH 26 *	INTRODUCTION TO LINEAR ALGEBRA	4.0

List A: Complete the following course **Units:** 5.0

PHYS 4A *	GENERAL PHYSICS	5.0

Total: 28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MEDICAL INSURANCE BILLING - Occupational Skills Award

Summary

The Occupational Skills Award in Medical Insurance Billing provides the student/incumbent worker with skills required for employment in a physician's office, medical clinic or as an independent consultant specializing in medical insurance billing and coding. The curriculum allows for academic growth and mobility. Competencies include developing a working knowledge of various insurance plans, processing of claims, authorizations, billing, collections and diagnostic coding for the medical office.

Learning Outcome(s):

- Demonstrate skills leading to an increase in employability.
- Demonstrate skills related to processing claims using a variety of health insurance plans.
- Demonstrate legal and ethical practices related to medical billing.

Requirements

Required Core: **Units:** 12.0

HSC 104	MEDICAL TERMINOLOGY	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
MA 224A	BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT	3.0
MA 282	FUNDAMENTALS OF MEDICAL PRACTICE CODING	3.0

Total: 12.0

MEDICAL LABORATORY TECHNICIAN - A.S. Degree

Summary

The Medical Laboratory Technician (MLT) Associate of Science program prepares students for employment as a MLT working in a clinical medical laboratory. Medical laboratory technicians (MLTs) perform a wide variety of routine laboratory procedures and work in both public and private laboratories serving the health care sector. Completion of prerequisite courses will be required prior to entering the program. The program course of study is a combination of instruction in principles of laboratory theory and techniques as well as clinical experience at affiliated medical laboratories. Students must meet current clinical placement requirements found on the program's webpage to complete experiential courses and the program. Students learn to perform routine laboratory procedures in phlebotomy, microbiology, clinical chemistry, hematology, coagulation, immunohematology, and urinalysis. They also will learn to operate and maintain clinical laboratory equipment.

Graduates of the program qualify for state of California/Department of Public Health, Laboratory Field Services-approved MLT certification examinations sponsored by the American Society of Clinical Pathologists (ASCP) Board of Certification or by the American Association of Bioanalysts (ABB) Board of Registry to become California licensed medical laboratory technicians.

Completion of the following courses with a grade of "C" or better is required prior to submission of an application to the MLT Program: BIOL C1000 (Introduction to Biology with Lab) or one year of high school biology with a grade of "C" or better, BIO 15 (MICROBIOLOGY), BIO 13 (HUMAN ANATOMY AND PHYSIOLOGY), and CHEM 8 (INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY).

Successful completion of courses will require that a grade of "C" or better be achieved. When a student fails to achieve a "C" or better in any course, the student will be given the opportunity to repeat the failed course once on a space available basis. If a student receives a second grade of less than a "C" in any Medical Laboratory Technology course, that student will be dropped from the Medical Laboratory Technology Program and will not be eligible for re-entry into the Saddleback College Medical Laboratory Technology program. A student may not enter Clinical Experience until all courses are completed with a grade of "C" or better.

Learning Outcome(s):

- Perform analytical testing in various areas of the clinical laboratory including clinical chemistry, microbiology, hematology, immunology, coagulation, and urinalysis, and related areas.
- Practice established safety procedures and communicate effectively and professionally with patients, laboratory personnel, and other members of the health care team.
- Participate in continuing education activities to maintain and improve professional competencies within the community as defined by the California Laboratory Field Services.
- Demonstrate preparation for applicable State of California approved certification exam.

Requirements

Program Admission Prerequisites: **Units:** 13.0-17.0

Select one		0.0-4.0
BIOL C1000	Introduction to Biology with Lab	4.0
OR		
One year of high school biology with a grade of "C" or better		
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0

Required Core: **Units:** 38.0

MLT 210	INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION	1.0
MLT 211 *	BASIC LABORATORY PROCEDURES	1.0
MLT 230 *	CLINICAL CHEMISTRY	5.0
MLT 232 *	CLINICAL MICROBIOLOGY	3.0
MLT 235 *	CLINICAL URINALYSIS	1.0
MLT 236 *	CLINICAL HEMATOLOGY AND COAGULATION	3.0
MLT 243 *	CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY	3.0
MLT 242 *	CLINICAL CHEMISTRY PRACTICUM	4.0
MLT 244 *	CLINICAL HEMATOLOGY, COAGULATION, AND URINALYSIS PRACTICUM	4.0
MLT 252 *	CLINICAL MICROBIOLOGY PRACTICUM	4.0
MLT 253 *	CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY PRACTICUM	3.0
Select both		6.0
PHLB 240 *	PHLEBOTOMY	4.0
AND		
PHLB 180WE *	PHLEBOTOMY WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 51.0-55.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MEDICAL LABORATORY TECHNICIAN - Certificate of Achievement

Summary

The Medical Laboratory Technician (MLT) Certificate of Achievement is a program for students who possess an associate or higher degree granted by a U.S. accredited educational institution or a foreign institution with courses evaluated for equivalency. This program prepares students for employment as an MLT working in a clinical medical laboratory. Medical laboratory technicians (MLTs) perform a wide variety of routine laboratory procedures and work in both public and private laboratories serving the health care sector. Completion of prerequisite courses will be required prior to entering the program. The program course of study is a combination of instruction in principles of laboratory theory and techniques as well as clinical experience at affiliated medical laboratories. Students must meet current clinical placement requirements found on the program's webpage to complete experiential courses and the program. Students learn to perform routine laboratory procedures in phlebotomy, microbiology, clinical chemistry, hematology, coagulation, immunohematology, and urinalysis. They also will learn to operate and maintain clinical laboratory equipment.

Graduates of the program qualify for state of California/Department of Public Health, Laboratory Field Services-approved MLT certification examinations sponsored by the American Society of Clinical Pathologists (ASCP) Board of Certification or by the American Association of Bioanalysts (ABB) Board of Registry to become California licensed medical laboratory technicians.

Completion of the following courses with a grade of "C" or better is required prior to submission of an application to the MLT Program: BIOL C1000 (Introduction to Biology with Lab) or one year of high school biology with a grade of "C" or better, BIO 15 (MICROBIOLOGY), BIO 13 (HUMAN ANATOMY AND PHYSIOLOGY), and CHEM 8 (INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY).

Successful completion of courses will require that a grade of "C" or better be achieved. When a student fails to achieve a "C" or better in any course, the student will be given the opportunity to repeat the failed course once on a space available basis. If a student receives a second grade of less than a "C" in any Medical Laboratory Technology course, that student will be dropped from the Medical Laboratory Technology Program and will not be eligible for re-entry into the Saddleback College Medical Laboratory Technology program. A student may not enter Clinical Experience until all courses are completed with a grade of "C" or better.

Learning Outcome(s):

- Perform analytical testing in various areas of the clinical laboratory including clinical chemistry, microbiology, hematology, immunology, coagulation, and urinalysis, and related areas.
- Practice established safety procedures and communicate effectively and professionally with patients, laboratory personnel, and other members of the health care team.
- Participate in continuing education activities to maintain and improve professional competencies within the community as defined by the California Laboratory Field Services.
- Demonstrate preparation for applicable State of California approved certification exam.

Requirements

Program Admission Prerequisites: **Units:** 13.0-17.0

Select one		0.0-4.0
BIOL C1000	Introduction to Biology with Lab	4.0
OR		
One year of high school biology with a grade of "C" or better		
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
CHEM 8	INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY	4.0

Required Core: **Units:** 38.0

MLT 210	INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION	1.0
MLT 211 *	BASIC LABORATORY PROCEDURES	1.0
MLT 230 *	CLINICAL CHEMISTRY	5.0
MLT 232 *	CLINICAL MICROBIOLOGY	3.0
MLT 235 *	CLINICAL URINALYSIS	1.0
MLT 236 *	CLINICAL HEMATOLOGY AND COAGULATION	3.0
MLT 243 *	CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY	3.0
MLT 242 *	CLINICAL CHEMISTRY PRACTICUM	4.0
MLT 244 *	CLINICAL HEMATOLOGY, COAGULATION, AND URINALYSIS PRACTICUM	4.0
MLT 252 *	CLINICAL MICROBIOLOGY PRACTICUM	4.0
MLT 253 *	CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY PRACTICUM	3.0
Select both		6.0
PHLB 240 *	PHLEBOTOMY	4.0
AND		
PHLB 180WE *	PHLEBOTOMY WORK EXPERIENCE	2.0

Total: 51.0-55.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MEDICAL SCRIBE - Certificate of Achievement

Summary

The Medical Scribe Certificate of Achievement program prepares students to assist licensed medical professionals with administrative duties especially related to documentation in the electronic medical record, customer service and increasing efficiency in patient care delivery. This program is designed to build upon knowledge of biological sciences, basic knowledge of common diseases, routine clinical patient care and workflow in healthcare settings. The medical scribe enables real-time clinical documentation and data input from information gathered at point of care under the direction of a licensed health care provider and maintains accurate electronic health records for the benefit of clinicians, healthcare staff and patients. Successful completion of this certificate prepares students for clinical experience that leads to employment and certification as Certified Medical Scribe Specialists (CMSS), Certified Medical Scribe Apprentices (CMSA), Medical Scribes (MS), and Virtual Scribes (VS).

Learning Outcome(s):

- Demonstrate the knowledge, skills and behaviors of a competent entry level medical scribe specialist.
- Apply the knowledge of medical sciences (medical terminology, anatomy/physiology, pathology, and pharmacology) to accurately collect real-time documentation.
- Adhere to principles of legal, ethical, accreditation and certification standards as they relate to health information.
- Demonstrate the speed and accuracy relating to the completion of health record documentation.

- Demonstrate the ability to work effectively as an individual and collaboratively in a group to collect and compile accurate health record documentation.

Requirements

Required Core: **Units:** 14.5

HSC 104	MEDICAL TERMINOLOGY	3.0
Select one		4.0
BIO 11 *	HUMAN ANATOMY	4.0
OR		
BIO 12 *	HUMAN PHYSIOLOGY	4.0
Select one		3.0
HSC 108 *	DISEASE PROCESSES FOR THE HEALTH SCIENCES	3.0
OR		
BIO 45 *	BIOLOGY OF HUMAN DISEASE	3.0
OR		
BIO 112 *	PATHOPHYSIOLOGY	3.0
MA 280	HEALTHCARE ORGANIZATION PRACTICES	3.0
Select one		1.5
CIM 121B *	KEYBOARDING FOR COMPUTERS - INTERMEDIATE	1.5
OR		
CIM 121C *	KEYBOARDING FOR COMPUTERS - ADVANCED	1.5

Total: 14.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MENTAL HEALTH WORKER - A.S. Degree

Summary

The Mental Health Worker Associate of Science degree provides the knowledge, skills, and cultural competencies needed to engage in best practices in the field of mental health. It prepares individuals to work as paraprofessionals in entry-level positions in the field of mental health. The Mental Health Worker program introduces students to co-occurring disorders and integrated services, benefits and entitlement acquisitions, the recovery model, and the early identification of mental health issues and evidence-based practices. This program option combines the Human Services behavioral core skills training and clinical supervised experiential learning in mental health fieldwork settings.

A minimum grade of "C" in all courses is required to receive the degree.

Potential Careers: Mental Health Worker I, Peer Mentor, House Monitor, Group Facilitator, Activities Coordinator, Intake Specialist, Mental Health Care Advocate, Case Worker, Care Giver.

Learning Outcome(s):

- Demonstrate multiple approaches in their work with the mental health and co-occurring populations.
- Apply the principles of the Recovery Model to mental health interventions.
- Impart appropriate intervention practices to use with individuals and families impacted by mental health and/or co-occurring disorders.
- Use Mental Health Services behavioral core skills training and experiential learning in mental health settings.

Requirements

Required Core: **Units:** 33.5

HS 100	INTRODUCTION TO HUMAN SERVICES	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 120	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
HS 110 * †	FIELD INSTRUCTION AND SEMINAR I	3.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 33.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in the last semester of the program.

MENTAL HEALTH WORKER - Certificate of Achievement

Summary

The Mental Health Worker Certificate of Achievement provides the knowledge, skills, and cultural competencies needed to engage in best practices in the field of mental health. It prepares individuals to work as paraprofessionals in entry-level positions in the field of mental health. The Mental Health Worker program introduces students to co-occurring disorders and integrated services, benefits and entitlement acquisitions, the recovery model, and the early identification of mental health issues and evidence-based practices. This program option combines the Human Services behavioral core skills training and clinical supervised experiential learning in mental health fieldwork settings.

A minimum grade of "C" in all courses is required to receive the certificate.

Potential Careers: Mental Health Worker I, Peer Mentor, House Monitor, Group Facilitator, Activities Coordinator, Intake Specialist, Mental Health Care Advocate, Case Worker, Care Giver.

Learning Outcome(s):

- Demonstrate multiple approaches in their work with the mental health and co-occurring populations.
- Apply the principles of the Recovery Model to mental health interventions.
- Impart appropriate intervention practices to use with individuals and families impacted by mental health and/or co-occurring disorders.
- Use Mental Health Services behavioral core skills training and experiential learning in mental health settings.

Requirements

Required Core: **Units:** 33.5

HS 100	INTRODUCTION TO HUMAN SERVICES	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
HS 120	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
HS 176 *	CO-OCCURRING DISORDERS	3.0
HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
HS 174	CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL	3.0
HS 177	FAMILY DYNAMICS OF ADDICTION AND ABUSE	3.0
HS 220	BENEFITS AND ENTITLEMENT	3.0
HS 110 * †	FIELD INSTRUCTION AND SEMINAR I	3.5

Total: 33.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in the last semester of the program.

MUSIC - A.A. Degree

Summary

The curriculum in the Associate of Arts degree in Music is designed to provide the student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers related to this field, earning the Associate degree will demonstrate commitment to the major, and attainment of a degree which can support attempts to gain entry-level employment. However, students wishing to transfer to a 4-year institution may need to take additional classes as preparation for transfer. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

The program is selective in that funding limitations limit the number of Applied Music students. Students must pass a competitive audition for entrance into MUS 50 - APPLIED MUSIC. All Music majors, regardless of their individual focus, have an ensemble requirement, and must be able to play/sing at a college level to register for an ensemble.

Learning Outcome(s):

- Transcribe and sight read both diatonic and chromatic music.
- Demonstrate a working knowledge of musical analysis and harmonic theory applicable to their area of specialization.
- Demonstrate a working knowledge of repertoire and performance practice applicable to their area of specialization.
- Perform standard repertoire appropriate to their performance area, as individuals or as members of ensembles.
- Demonstrate a working knowledge of music technology and its application to their area of specialization.
- Create original music in improvised and/or written form.
- Demonstrate the ability to listen critically to musical performance.
- Demonstrate an ability to place composers, works and musical styles within an historical context, both in terms of musical and societal history.

Requirements

Required Core: **Units:** 12.0-20.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 12 *	HARMONY III	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
MUS 94 *	MUSICIANSHIP III	1.0
Select one		0.0-2.0

MUS 54A	BEGINNING PIANO I	2.0
OR		
proficiency exam		
Select one		0.0-2.0
MUS 54B *	BEGINNING PIANO II	2.0
OR		
proficiency exam		
Select one		0.0-2.0
MUS 55A *	INTERMEDIATE PIANO I	2.0
OR		
proficiency exam		
Select one		0.0-2.0
MUS 55B *	INTERMEDIATE PIANO II	2.0
OR		
proficiency exam		

Ensemble Requirement: Complete four semesters from the following (including repeated classes) **Units:** 4.0-8.0

MUS 35 *	CONTEMPORARY CHOIR	2.0
MUS 39 *	COMMERCIAL MUSIC ENSEMBLE	2.0
MUS 41 *	SYMPHONIC WIND ENSEMBLE	2.0
MUS 42 *	SYMPHONIC ORCHESTRA	2.0
MUS 47 *	SADDLEBACK COLLEGE BIG BAND	2.0
MUS 61 *	INTERMEDIATE CLASSICAL GUITAR	1.0
MUS 62 *	ADVANCED CLASSICAL GUITAR	2.0
MUS 64 *	PIANO ENSEMBLE	1.5
MUS 65 *	PIANO ACCOMPANYING	1.5
MUS 140 *	IMPROVISED MUSIC IN A JAZZ COMBO	2.0
MUS 148 *	JAZZ ENSEMBLE	2.0
MUS 182 *	SOUL MUSIC ENSEMBLE	2.0
MUS 184 *	ELECTRONIC MUSIC ENSEMBLE	2.0
MUS 187 *	MODERN ROCK AND POP MUSIC ENSEMBLE	2.0
MUS 197 *	REHEARSAL AND PERFORMANCE (JAZZ STUDIES)	1.0

Restricted Electives: Select 4-6 units **Units:** 4.0-6.0

MUS 14 *	JAZZ COMPOSITION AND ARRANGING	3.0
MUS 15 *	MUSIC COMPOSITION	3.0
MUS 25 *	MUSIC HISTORY TO MOZART C. 1750	3.0
MUS 26 *	MUSIC HISTORY SINCE MOZART FROM C. 1750	3.0
MUS 50 may be taken up to 4 times		1.0-4.0
MUS 50 *	APPLIED MUSIC	1.0
MUS 18 *	ADVANCED MUSIC COMPOSITION	3.0
MUS 117 *	POPULAR SONGWRITING	3.0
MUS 118	DIGITAL MULTI-TRACK MUSIC RECORDING	2.5
MUS 130	MUSIC PRODUCTION I	2.5
MUS 132	INTRODUCTION TO MUSIC TECHNOLOGY	2.0

Associate of Arts Degree

Completion of the required courses in the major and a minimum of 60 units including the General Education requirements with an overall GPA of 2.0 qualifies the student for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 20.0-34.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MUSIC - AA-T Degree

Summary

The curriculum in the Music program is designed to provide the transfer student an opportunity to achieve the Associate in Arts in Music for Transfer. Students who complete the Associate in Arts in Music for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. The courses required in this program provide students with a minimum foundation of knowledge to pursue advanced study in vocal, instrumental or jazz music performance. Most transfer institutions require that applicants pass a competitive audition before being accepted into the program. Transfer students should consult their transfer institutions of choice for further information on specific lower-division music major requirements.

While an associate degree may support attempts to gain employment or promotion, a baccalaureate degree or higher degree is recommended for those considering professional careers, which can be achieved through transfer. The following is a list of possible career paths for the music major, some requiring additional education and experience: performer, choral director, instrumental conductor, music teacher, music director, music therapist, music librarian, composer/arranger, copyist, music repair technician, music instrument sales representative, music critic, music editor, performing arts manager.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or “P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Analyze musical scores and compositions.
- Critique personal music performances and those of other musicians.
- Analyze and perform 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.

Requirements

Required Core: **Units:** 18.0-18.5

Select one		3.0
MUS 1	THE BASICS OF MUSIC	3.0
OR		
MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 12 *	HARMONY III	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
MUS 94 *	MUSICIANSHIP III	1.0
Applied Music: The following course must be taken twice for a total of two units		2.0
MUS 50 *	APPLIED MUSIC	1.0
MUS 50 *	APPLIED MUSIC	1.0
Major Ensemble and/or Specialized Ensemble: Complete 4-4.5 units		4.0-4.5
MUS 35 *	CONTEMPORARY CHOIR	2.0
MUS 41 *	SYMPHONIC WIND ENSEMBLE	2.0
MUS 42 *	SYMPHONIC ORCHESTRA	2.0
MUS 47 *	SADDLEBACK COLLEGE BIG BAND	2.0
MUS 32 *	SINGING SOCIETY	2.0
MUS 33 *	MASTERWORKS CHORALE	2.0
MUS 34 *	EARLY MUSIC ENSEMBLE	2.0
MUS 38 *	INTERCULTURAL MUSIC ENSEMBLE	2.0
MUS 39 *	COMMERCIAL MUSIC ENSEMBLE	2.0
MUS 43 *	STRING ORCHESTRA	2.0
MUS 64 *	PIANO ENSEMBLE	1.5
MUS 65 *	PIANO ACCOMPANYING	1.5
MUS 140 *	IMPROVISED MUSIC IN A JAZZ COMBO	2.0
MUS 146 *	CONTEMPORARY BIG BAND LITERATURE	2.0
MUS 147 *	MID-SIZE AFRICAN-AMERICAN BASED ENSEMBLE JAZZ	2.0
MUS 148	JAZZ ENSEMBLE	2.0
MUS 182 *	SOUL MUSIC ENSEMBLE	2.0
MUS 184 *	ELECTRONIC MUSIC ENSEMBLE	2.0
MUS 187 *	MODERN ROCK AND POP MUSIC ENSEMBLE	2.0
MUS 197 *	REHEARSAL AND PERFORMANCE (JAZZ STUDIES)	1.0

List A: Complete 3-4 Units **Units:** 3.0-4.0

MUS 54A	BEGINNING PIANO I	2.0
MUS 54B *	BEGINNING PIANO II	2.0
MUS 55A *	INTERMEDIATE PIANO I	2.0
MUS 20	MUSIC APPRECIATION	3.0

Total: 21.0-22.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation, see course description.

MUSIC AND AUDIO PRODUCTION FOR CINEMA, TV, AND RADIO - Certificate of Achievement

Summary

The Music and Audio Production for Cinema, TV and Radio Certificate of Achievement equips students with entry-level skills in audio and music production, sound design, audio recording, audio sweetening, and postproduction. The

curriculum emphasizes specialized technical skills that reflect real-world industry practices. Upon completion, students will be prepared for a variety of careers, including music production and recording, audio editing, postproduction, and sound design across film, television, radio, and digital media.

Learning Outcome(s):

- Demonstrate essential skills and knowledge in audio production and postproduction for film, TV, and radio.
- Produce professional-quality radio segments and short-form audio stories.
- Develop a demo reel showcasing proficiency in music and audio production techniques.
- Create and edit audio for short projects, including film and television postproduction.
- Utilize a Digital Audio Workstation (DAW) to record, edit, and enhance audio.
- Compose, edit, and mix musical projects across various genres.

Requirements

Required Core: **Units:** 11.0

MUS 118	DIGITAL MULTI-TRACK MUSIC RECORDING	2.5
MUS 130	MUSIC PRODUCTION I	2.5
CTVR 110	AUDIO PRODUCTION	3.0
CTVR 111 *	AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM	3.0

Total: 11.0

* This course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MUSIC COMPOSITION - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Music Composition prepares students for transfer into a Bachelors of Arts in Music degree in Music Composition. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. During the program, students will develop the music composition portfolios that they will submit as part of their transfer applications. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes composition for small and large ensembles in a variety of classical music genres. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical and jazz forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Compose for solo, chamber and various size large ensembles including Wind Symphonies and Orchestras
- Identify historically important composers
- Identify historically important musical eras and their style components

Requirements

Required Core: **Units:** 14.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
MUS 15 *	MUSIC COMPOSITION	3.0
MUS 18 *	ADVANCED MUSIC COMPOSITION	3.0

Restricted Electives: Select one course **Units:** 2.5-3.0

MUS 2	HISTORY OF FILM MUSIC	3.0
MUS 14 *	JAZZ COMPOSITION AND ARRANGING	3.0
MUS 130	MUSIC PRODUCTION I	2.5

Total: 16.5-17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MUSIC PRODUCTION - Occupational Skills Award

Summary

Provides students with entry-level skills for employment in the fields of music production, film/tv/game composition, live performance, sound design, music editing and music recording. Students will use industry-recognized software to create, edit and perform music. The OSA also provides students with the music business knowledge necessary to promote their work.

Learning Outcome(s):

- Operate a digital audio workstation and setup software and hardware.
- Use midi and virtual instruments.
- Create music using Ableton Live.
- Edit music using Ableton Live.
- Perform music using Ableton Live and a midi controller.
- Describe various roles in the music industry.
- Explain how to publish, market and promote musical compositions.

Requirements

Required Core: **Units:** 7.5

MUS 130	MUSIC PRODUCTION I	2.5
MUS 131 *	MUSIC PRODUCTION II	2.0
MUS 120	INTRODUCTION TO THE MUSIC INDUSTRY	3.0

Total: 7.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MUSIC PRODUCTION ENTREPRENEURSHIP - Certificate of Achievement

Summary

The Music Production Entrepreneurship certificate prepares students to use industry-recognized software and hardware to create, edit, record and perform music. Its entrepreneurial focus prepares students with the knowledge necessary to market, promote and monetize their music. The certificate will equip students to enter the following occupations: music producer, professional musician, recording engineer, film composer, video game composer, electronic musician, music supervisor, music library owner or digital media composer/producer. The field of Music Production is inherently competitive, and completion of the program does not guarantee employment. Success in the occupations listed above is based on a number of factors including musical, technical and entrepreneurial ability.

Learning Outcome(s):

- Create, edit, record and perform music using a Digital Audio Workstation.
- Describe, analyze and discuss trends in electronic music production, including sampling, controllerism and drum programming.
- Analyze and evaluate various methods of music distribution.
- Discuss and identify various careers within the music industry.
- Analyze and illustrate various principles of the music industry including but not limited to music copyright, music publishing, music licensing, artist and performing rights organizations.

- Compare models for digital music monetization and self-promotion.

Requirements

Required Core: **Units:** 10.0

MUS 130	MUSIC PRODUCTION I	2.5
MUS 131 *	MUSIC PRODUCTION II	2.0
MUS 120	INTRODUCTION TO THE MUSIC INDUSTRY	3.0
MUS 118	DIGITAL MULTI-TRACK MUSIC RECORDING	2.5

Restricted Electives: 2-3 Units **Units:** 2.0-3.0

MUS 1	THE BASICS OF MUSIC	3.0
MUS 10 *	HARMONY I	3.0
MUS 54A	BEGINNING PIANO I	2.0
MUS 180WE	COMMERCIAL MUSIC WORK EXPERIENCE	2.0

Total: 12.0-13.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MUSICAL THEATRE - A.A. Degree

Summary

The Associate of Arts degree in Musical Theater is designed for students interested in entering Musical Theatre as a career. This program trains students to sing, act, and dance which are the skills needed to become a successful triple threat in the industry. The Musical Theater A.A. degree will prepare students for transfer who are interested in pursuing further education and training to major in Musical Theater or Acting at a four-year institution as well as support career goals for those who want to enter the profession immediately.

Learning Outcome(s):

- Demonstrate proficiency in acting by being able to break down a scene into its component part and perform in front of a class and an audience.
- Demonstrate proficiency in singing by singing in front of a class and an audience.
- Demonstrate proficiency in dancing by performing choreographed dance routines in front of a class and an audience.

Requirements

Required Core: **Units:** 22.5

MUS 81 *	INTERMEDIATE VOICE	1.5
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
ETT 40	STAGECRAFT	3.0
TA 1	FUNDAMENTALS OF ACTING	3.0
TA 2 *	SCENE STUDY I	3.0
TA 10	MUSICAL THEATRE TECHNIQUES	3.0
TA 107 *	SCENE STUDY FOR AMERICAN MUSICAL THEATRE	3.0
DANC 52	BALLET DANCING LEVEL I	1.0
DANC 53 *	INTERMEDIATE BALLET	1.0
Select one		1.0
DANC 58	JAZZ DANCING LEVEL I	1.0
OR		

DANC 59 *	INTERMEDIATE JAZZ DANCING	1.0
Select one		1.0
DANC 60	INTRODUCTION TO TAP DANCING	1.0
OR		
DANC 61	TAP DANCING LEVEL I	1.0
OR		
DANC 62 *	INTERMEDIATE TAP DANCING	1.0

Restricted Electives: Complete 3 units **Units:** 3.0

TA 3 *	SCENE STUDY II	3.0
TA 12 *	DIRECTING	3.0
TA 15 *	REHEARSAL AND PERFORMANCE - DRAMA	3.0
TA 16 *	REHEARSAL AND PERFORMANCE - COMEDY	3.0
TA 17 *	REHEARSAL AND PERFORMANCE - MIXED GENRES	3.0
TA 19 *	REHEARSAL AND PERFORMANCE - MUSICAL THEATRE	3.0
TA 108	AUDITION TECHNIQUES	3.0
MUS 35 *	CONTEMPORARY CHOIR	2.0
TA 4 *	ACTING STYLES I	3.0
TA 20	THEATRE APPRECIATION	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0
TA 43	STAGE MAKE-UP	3.0
TA 190	ACTING FOR TELEVISION AND FILM	3.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0
ETT 101 *	FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE	3.0
DANC 51	INTRODUCTION TO BALLET	1.0-1.5
DANC 54	INTRODUCTION TO MODERN DANCE	1.0-1.5
DANC 55 *	MODERN DANCE LEVEL I	1.0-1.5
DANC 56 *	INTERMEDIATE MODERN DANCE	1.0-1.5
DANC 67 *	POINTE BALLET	1.0-1.5
DANC 71 *	ADVANCED BALLET	1.0-1.5
DANC 72 *	ADVANCED MODERN DANCE	1.0-1.5
DANC 73 *	ADVANCED JAZZ DANCE	1.0-1.5
DANC 75 *	ADVANCED TAP DANCE	1.0
DANC 78	HIP HOP	1.0
DANC 79 *	HIP HOP LEVEL I	1.0
DANC 80 *	INTERMEDIATE HIP HOP	1.0
DANC 81 *	ADVANCED HIP HOP	1.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 25.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

NETWORK ADMINISTRATOR - A.S. Degree

Summary

This program prepares students for entry-level positions as either operating system or network administrators. The core requirements for the degree include preparation for industrial coveted CompTIA A+ and Network+ certificates. The restricted electives allow students to either emphasize networking with Cisco, a worldwide leader in cybersecurity solutions and computers networking, or students can emphasize Microsoft Window's system administration. Other emphases might be Microsoft Window's desktop applications or SQL databases.

Learning Outcome(s):

- Design a basic high-speed computer network to fulfill a customer's requirements.
- Demonstrate knowledge of IT and network terminology.
- Describe various command line operating system commands.

Requirements

Required Core: **Units:** 12.0

CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0

Restricted Electives: Select two courses **Units:** 6.0-7.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMN 140 *	FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION	3.0
CIMN 160	CISCO CCNA: ROUTING AND SWITCHING ESSENTIALS	3.0
CIMN 220A	MCSE CERTIFICATION EXAM PREP I	3.0
CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMS 150	INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING	3.0
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

NETWORK ADMINISTRATOR - Certificate of Achievement

Summary

This program prepares students for entry-level positions as either operating system or network administrators. The core requirements for the certificate include preparation for industrial coveted CompTIA A+ and Network+ certificates. The restricted electives allow students to either emphasize networking with Cisco, a worldwide leader in cybersecurity solutions and computers networking, or students can emphasize Microsoft Window's system administration. Other emphases might be Microsoft Window's desktop applications or SQL databases.

Learning Outcome(s):

- Design a basic high-speed computer network to fulfill a customer's requirements.
- Demonstrate knowledge of IT and network terminology.
- Describe various command line operating system commands.

Requirements

Required Core: **Units:** 12.0

CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0

Restricted Electives: Select two courses **Units:** 6.0-7.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMN 140 *	FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION	3.0
CIMN 160	CISCO CCNA: ROUTING AND SWITCHING ESSENTIALS	3.0
CIMN 220A	MCSE CERTIFICATION EXAM PREP I	3.0
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMS 150	INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING	3.0

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

NETWORKING ADMINISTRATOR ESSENTIALS - Certificate of Achievement

Summary

The Networking Administrator Essentials Certificate of Achievement prepares students for entry-level positions in cybersecurity or computer networking. Nowadays, almost all jobs require network administrators to have security experience. Furthermore, many software developments need individuals with CompTIA Security+ certificates. The core requirements for the certificate include preparation for industry coveted Comp TIA A+ (basic computer Hardware/ Software), CompTIA Network+, and CompTIA Security+. This foundational certificate provides core courses needed for the industrial certificates necessary for cybersecurity, networking, cloud, operating system administrators, or software development areas.

Learning Outcome(s):

- Describe and outline the hardware and software components of a secure digital network.
- Identify various types of network and information attacks.
- Evaluate the computer network and information security needs of an organization.

Requirements

Required Core: **Units:** 9.0

CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0

Total: 9.0

NEW MEDIA MARKETING - Certificate of Achievement

Summary

The New Media Marketing Certificate of Achievement is designed to prepare students for various marketing, sales, and retail store entry-level or management assistant positions; to assist existing marketing managers and sales professionals in upgrading their skills; and to open new career opportunities within the marketing field. Courses in social media marketing and eCommerce prepare students for related positions that are experiencing increasingly high demand. Upon successful completion of the requirements for this certificate, students will have enough knowledge of marketing to succeed in an entry-level position related to marketing.

Learning Outcome(s):

- Apply effective classic and contemporary marketing functions, including strategic planning, pricing, distribution, promotion, product and service development, and uses of new technologies, including social media and e-commerce.
- Use essential employability skills, including: communication, collaboration, thinking and innovation, professionalism, initiative and self-direction, intergenerational and cross-cultural competence, organizational culture, and legal and ethical practices.
- Integrate expertise in technical knowledge and skills with thinking and reasoning strategies to create, innovate, and devise solutions.
- Behave in a professional manner appropriate to organizational expectations, including the exercise of initiative and self-direction and observation of laws, rules, and ethical practices.

Requirements

Required Core: **Units:** 7.0-8.0

BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 135	MARKETING	3.0
Select one		1.0-2.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
OR		
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0

Restricted Electives: Select two courses **Units:** 6.0

BUS 1	INTRODUCTION TO BUSINESS	3.0
OR		
BUS 1H	HONORS INTRODUCTION TO BUSINESS	3.0
BUS 13	LEGAL ENVIRONMENT AND BUSINESS LAW	3.0

OR		
BUS 13H	HONORS LEGAL ENVIRONMENT AND BUSINESS LAW	3.0
BUS 109	E-COMMERCE MARKETING	3.0

Total: 13.0-14.0

NUTRITION - A.S. Degree

Summary

The Nutrition Associate of Science degree prepares students for a wide variety of employment opportunities involving the applications of fundamentals of nutrition. Employment possibilities include public agencies, day-care centers for the young and the elderly, food co-ops, recreational programs, pregnancy and weight management clinics, school food service, nutrition education programs in schools, health clubs, gyms and figure salons, health food and supplement stores, hospitals, nutritional supplement sales, and rehabilitation programs. The program also offers coursework for professional improvement.

By completing the Nutrition degree, students will be trained to relate nutrition to health, fitness and disease; to critically assess and apply research in the area of nutritional sciences; to apply current dietary guidelines and nutrition recommendations for good health; to interpret and analyze nutrition labeling; to identify the function, deficiencies, toxicities and sources of nutrients; to identify causes and solutions to obesity and eating disorders; to identify causes and prevention of foodborne illness; to identify food-based solutions to dietary inadequacies; and to compare nutritional needs throughout the life cycle.

Learning Outcome(s):

- Identify components of a healthy diet and lifestyle that lead to long-term optimal health and disease prevention.
- Accurately assess an individual's nutritional status and make appropriate dietary recommendations.
- Identify and analyze credible research on nutrition-related topics.

Requirements

Required Core: **Units:** 10.0

Select one		3.0
FCS 115	CONSUMER ISSUES	3.0
OR		
FCS 142	LIFE MANAGEMENT	3.0
NUTR 50 †	FUNDAMENTALS OF NUTRITION	3.0
NUTR 208 *	MOTIVATIONAL INTERVIEWING FOR NUTRITION PROFESSIONALS	1.0
NUTR 165	CAREERS IN NUTRITION AND DIETETICS	1.0
NUTR 180WE †	NUTRITION WORK EXPERIENCE	2.0

Restricted Electives: Select 4 courses (12 units) **Units:** 12.0

NUTR 64	NUTRITION ISSUES AND CONTROVERSIES	3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0
NUTR 164	SPORTS NUTRITION	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
NUTR 206	SUSTAINABLE NUTRITION AND FOOD SYSTEMS	3.0
NUTR 106 *	CULTURAL ASPECTS OF FOOD AND NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† NUTR 50 recommended prior to NUTR 180WE.

NUTRITION - Certificate of Achievement

Summary

The Nutrition Certificate of Achievement program prepares students for a wide variety of employment opportunities involving the applications of fundamentals of nutrition. Employment possibilities include public agencies, day-care centers for the young and the elderly, food co-ops, recreational programs, pregnancy and weight management clinics, school food service, nutrition education programs in schools, health clubs, gyms and figure salons, health food and supplement stores, hospitals, nutritional supplement sales, and rehabilitation programs. The program also offers coursework for professional improvement.

By completing the Nutrition certificate, students will be trained to relate nutrition to health, fitness and disease; to critically assess and apply research in the area of nutritional sciences; to apply current dietary guidelines and nutrition recommendations for good health; to interpret and analyze nutrition labeling; to identify the function, deficiencies, toxicities and sources of nutrients; to identify causes and solutions to obesity and eating disorders; to identify causes and prevention of foodborne illness; to identify food-based solutions to dietary inadequacies; and to compare nutritional needs throughout the life cycle.

Learning Outcome(s):

- Identify components of a healthy diet and lifestyle that lead to long-term optimal health and disease prevention.
- Accurately assess an individual's nutritional status and make appropriate dietary recommendations.
- Identify and analyze credible research on nutrition-related topics.

Requirements

Required Core: **Units:** 10.0

Select one		3.0
FCS 115	CONSUMER ISSUES	3.0
OR		
FCS 142	LIFE MANAGEMENT	3.0
NUTR 50 †	FUNDAMENTALS OF NUTRITION	3.0
NUTR 208 *	MOTIVATIONAL INTERVIEWING FOR NUTRITION PROFESSIONALS	1.0
NUTR 165	CAREERS IN NUTRITION AND DIETETICS	1.0
NUTR 180WE †	NUTRITION WORK EXPERIENCE	2.0

Restricted Electives: Select 4 courses (12 units) **Units:** 12.0

NUTR 64	NUTRITION ISSUES AND CONTROVERSIES	3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0

NUTR 164	SPORTS NUTRITION	3.0
NUTR 161 *	CLINICAL NUTRITION	3.0
NUTR 169 *	LIFECYCLE NUTRITION	3.0
NUTR 206	SUSTAINABLE NUTRITION AND FOOD SYSTEMS	3.0
NUTR 106 *	CULTURAL ASPECTS OF FOOD AND NUTRITION	3.0
CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0

Total: 22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† NUTR 50 recommended prior to NUTR 180WE.

NUTRITION AND DIETETICS - AS-T Degree

Summary

The Nutrition program prepares students for a wide variety of employment opportunities involving the applications of fundamentals of normal nutrition. Employment possibilities include public agencies, day-care centers for the young and the elderly, food co-ops, recreation work, pregnancy clinics, education (such as preschool and elementary school), health clubs, gym and figure salons, health food stores and nutritional supplement sales, and drug abuse clinics. The program offers coursework for professional improvement, and some courses can be utilized as transfer courses for students pursuing a Bachelor's degree.

Students who complete the Associate in Science in Nutrition and Dietetics for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or “P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Transfer to a CSU if pursuing a baccalaureate degree in Nutritional Sciences or similar major.
- Demonstrate a strong foundation in nutrition, culinary, psychology, and biological sciences necessary to pursue a 4-year degree and develop a successful career in Nutrition and Dietetics.

Requirements

Required Core: **Units:** 16.0

NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0

List A: Select two courses **Units:** 7.0-9.0

CHEM 12A *	ORGANIC CHEMISTRY	5.0
BIO 11 *	HUMAN ANATOMY	4.0
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

List B: Complete the following course **Units:** 3.0

CUL 110 *	FOOD PREPARATION ESSENTIALS	3.0

Total: 26.0-28.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PARAMEDIC - A.S. Degree

Summary

The Paramedic program is designed to prepare the student for licensure as a Paramedic. It is an intense, full-time program consisting of lecture, skills lab, clinical practice, and field internship. Students are provided with the didactic, psychomotor, and affective domains needed to perform the duties as a Paramedic in the community. By successful completion of the program, students will have direct contact with the community by providing emergency care to the sick and injured in emergency situations. Students must possess a current EMT license. Students must meet current clinical placement requirements found on the program's webpage to be admitted to the program. The Saddleback College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Learning Outcome(s):

- Demonstrate entry level skills for a variety of roles at the entry-level as a Paramedic.
- Demonstrate sufficient preparation to pass the NREMT-P.
- Apply skills in didactic, psycho-motor, and affective domains needed to perform the duties as a Paramedic in the community.
- Complete the FISDAP Paramedic National Registry of Emergency Medical Technicians Advanced Level Paramedic Exam preparation.

To file a complaint about this program, contact: CoAEMSP

Requirements

Required Prerequisites: **Units:** 13.0

HSC 104	MEDICAL TERMINOLOGY	3.0
HSC 108 *	DISEASE PROCESSES FOR THE HEALTH SCIENCES	3.0
HSC 217	CARDIAC DYSRHYTHMIAS	2.0
HSC 228	CALCULATIONS FOR MEDICATION ADMINISTRATION	1.0
EMT 219 *	PARAMEDIC PREPARATION	4.0

Required Core: **Units:** 33.5

PM 220 *	PARAMEDIC THEORY	14.0
PM 230 *	PARAMEDIC CLINICAL EXPERIENCE	7.5

PM 240 *	PARAMEDIC FIELD INTERNSHIP	12.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 46.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PARAMEDIC - Certificate of Achievement

Summary

The Paramedic program is designed to prepare the student for licensure as a Paramedic. It is an intense, full-time program consisting of lecture, skills lab, clinical practice, and field internship. Students are provided with the didactic, psychomotor, and affective domains needed to perform the duties as a Paramedic in the community. By successful completion of the program, students will have direct contact with the community by providing emergency care to the sick and injured in emergency situations. Students must possess a current EMT license. Students must meet current clinical placement requirements found on the program's webpage to be admitted to the program. The Saddleback College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Learning Outcome(s):

- Demonstrate entry level skills for a variety of roles at the entry-level as a Paramedic.
- Demonstrate sufficient preparation to pass the NREMT-P.
- Apply skills in didactic, psycho-motor, and affective domains needed to perform the duties as a Paramedic in the community.
- Complete the FISDAP Paramedic National Registry of Emergency Medical Technicians Advanced Level Paramedic Exam preparation.

To file a complaint about this program, contact: CoAEMSP

Requirements

Required Prerequisites: **Units:** 13.0

HSC 104	MEDICAL TERMINOLOGY	3.0
HSC 108 *	DISEASE PROCESSES FOR THE HEALTH SCIENCES	3.0
HSC 217	CARDIAC DYSRHYTHMIAS	2.0
HSC 228	CALCULATIONS FOR MEDICATION ADMINISTRATION	1.0
EMT 219 *	PARAMEDIC PREPARATION	4.0

Required Core: **Units:** 33.5

PM 220 *	PARAMEDIC THEORY	14.0

PM 230 *	PARAMEDIC CLINICAL EXPERIENCE	7.5
PM 240 *	PARAMEDIC FIELD INTERNSHIP	12.0

Total: 46.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PERSIAN - A.A. Degree

Summary

The curriculum in the Persian program is designed to provide the student the opportunity to achieve an Associate of Arts in Persian degree by providing the necessary breadth in the field. Students who complete the Associate of Arts Degree in Persian will have more opportunities in government business, medicine, law, technology, industry, marketing and other related fields.

A Persian degree provides students with more positive attitudes and less prejudice toward people who are different, teaches and encourages respect for other peoples: it fosters an understanding of the interrelation of language and human nature, appreciation of other ways of life, different systems of belief, and different ways of constructing knowledge, and, perhaps most importantly, a better understanding of the world in which they live and leads to an appreciation of cultural diversity. The curriculum in the Persian program is designed to provide the student the opportunity to achieve an Associate of Arts (AA) in Persian degree.

Learning Outcome(s):

- Accurately interpret written sections in Persian.
- Accurately interpret spoken language in Persian.
- Develop proficient conversational skills in Persian.
- Demonstrate knowledge of the history, politics, literature, culture and arts of the Persian speaking countries as well as people who speak Persian.

Requirements

Required Core: **Units:** 23.0

PRSN 1 *	ELEMENTARY PERSIAN	5.0
PRSN 2 *	ELEMENTARY PERSIAN	5.0
PRSN 3 *	INTERMEDIATE PERSIAN	5.0
PRSN 4 *	INTERMEDIATE PERSIAN	5.0
PRSN 21 *	INTRODUCTION TO PERSIAN CULTURE	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirement for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PERSONAL TRAINING SPECIALIST - Certificate of Achievement

Summary

This certificate is designed for students interested in the field of personal training and fitness instruction. Students completing this certification will learn the fundamentals of exercise science, theory and application techniques for various modes of fitness training, how to perform fitness assessments, the effects of social, psychological, and behavioral factors on training, basics of sports nutrition, and how to create personalized training programs. Upon completion of this certification program, students will be prepared for entry-level personal training and fitness specialist positions in fitness clubs, health and wellness centers, educational institutes, and community establishments. Courses in this program also prepare students to further their certification through the nationally recognized, American Council on Exercise (ACE).

Learning Outcome(s):

- Demonstrate an understanding of basic exercise science.
- Demonstrate an understanding of various techniques and modes of fitness training.
- Explain the effects of various social, psychological, and behavioral factors on health, wellness, and fitness training.
- Design a personalized training program that meets the needs and desires of an individual.
- Demonstrate an understanding of business policies and legal guidelines.
- Identify health and safety concerns and respond with the appropriate care and/or procedures.

Requirements

Required Core: **Units:** 6.5

KNES 110	THEORY AND TECHNIQUES OF PERSONAL TRAINING	3.0
KNES 112	THE PROFESSION OF PERSONAL TRAINING	2.0
HLTH 2	FIRST AID, CPR, AND AUTOMATED EXTERNAL DEFIBRILLATOR	1.5

Restricted Electives: Select two courses **Units:** 2.0-4.0

KNES 1	CARDIOVASCULAR CONDITIONING	1.0-1.5
KNES 2	STRENGTH TRAINING	1.5
KNES 3	CIRCUIT WEIGHT TRAINING	1.0-1.5
KNES 4	BEGINNING WEIGHT LIFTING	1.0-2.0
KNES 5 *	INTERMEDIATE WEIGHT LIFTING	1.0-2.0
KNES 6 *	ADVANCED WEIGHT LIFTING	1.0-2.0
KNES 10	CROSS TRAINING	1.0-1.5
KNES 31	MUSCLE TONING FOR WOMEN	1.0-1.5
KNES 66	CORE TRAINING	1.0-1.5

Total: 8.5-10.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PHILOSOPHY - A.A. Degree

Summary

The Philosophy Department applies critical and analytic methods to theories of knowledge, reality, ethics, religion, and more, from a variety of cultural perspectives, and thereby promotes intellectual growth, an appreciation of social justice, and character. Using traditional philosophical literature, students are exposed to a specific set of philosophical problems and themes that span the history of the discipline.

In all of our Philosophy courses, we maintain a dynamic environment for learning in which we discuss and evaluate philosophical theories and concepts and apply that learning to everyday life through the use of further analysis. The

study of such fundamental issues through various perspectives increases cultural awareness and develops critical thinking skills in the students. The Philosophy Program offers courses that examine our common assumptions, values, and traditions, and thereby challenge students to grow intellectually and personally. The content of philosophy focuses on an array of questions regarding humanity, morality, knowledge, and reality. Studying this content expands one's intellectual horizons. Moreover, the practice of careful argumentation that is central to the philosophical method puts students in the position to be effective and motivated lifelong learners.

The curriculum in the Philosophy Associate of Arts degree program is designed to provide the transfer student the opportunity to achieve an associate degree. While a baccalaureate or higher degree is recommended for those considering majors related to the field of philosophy—majors which include philosophy itself as well as literature, history, economics, gender studies, religion, political science, and law—earning the associate degree would support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Identify and evaluate the main philosophical theories in metaphysics, epistemology, and ethics in the Western tradition.
- Use logical principles (i.e. formal and/or informal logic) and apply them to everyday examples.
- Recognize and understand the universalizing, structuring, and metaphorical power of language as it affects thinking and theorizing.

Requirements

Required Core: **Units:** 12.0

Select one		3.0
PHIL 1	INTRODUCTION TO PHILOSOPHY	3.0
OR		
PHIL 1H	HONORS INTRODUCTION TO PHILOSOPHY	3.0
PHIL 5	HISTORY OF MODERN PHILOSOPHY	3.0
PHIL 12	INTRODUCTION TO LOGIC	3.0
PHIL 14 *	PHILOSOPHY OF RELIGION	3.0

Restricted Electives: Select two courses **Units:** 6.0

HUM 1	INTRODUCTION TO HUMANITIES	3.0
HUM 2	ORIGINS OF WESTERN CULTURE IN LITERATURE	3.0
PHIL 10	WORLD RELIGIONS	3.0
PHIL 15	INTRODUCTION TO ETHICS	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PHILOSOPHY - AA-T Degree

Summary

The curriculum in the Philosophy program is designed to provide the transfer student an Associate in Arts in Philosophy for Transfer Degree by providing the necessary breadth in the field and the ability to complete both preparatory coursework for philosophy along with courses required for general education. Students who complete the Associate in Arts in Philosophy for Transfer Degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain employment or promotion, a baccalaureate degree or higher degree is recommended for those considering professional careers, which can be achieved through transfer. Majoring in Philosophy is an excellent way of preparing for law school or preparing careers that involve facility in writing skills, reasoning, analysis, and information processing.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Identify and evaluate the main philosophical theories in metaphysics, epistemology, and ethics in the Western tradition.
- Use logical principles (i.e. formal and/or informal logic) and apply them to everyday examples.
- Recognize and understand the universalizing, structuring, and metaphorical power of language as it affects thinking and theorizing.

Requirements

Required Core: Select two courses **Units:** 6.0

Select PHIL 12 and one of the next three courses		6.0
PHIL 12 *	INTRODUCTION TO LOGIC	3.0
AND		
PHIL 1 *	INTRODUCTION TO PHILOSOPHY	3.0
OR		
PHIL 1H *	HONORS INTRODUCTION TO PHILOSOPHY	3.0
OR		
PHIL 15	INTRODUCTION TO ETHICS	3.0

List A: Select the course below or any Required Core course not already used **Units:** 3.0

PHIL 5 *	HISTORY OF MODERN PHILOSOPHY	3.0

List B: Select two courses below or any List A course not already used **Units:** 6.0

HIST 62	EUROPEAN HISTORY TO 1650	3.0
HIST 63	EUROPEAN HISTORY SINCE 1650	3.0
PHIL 14 *	PHILOSOPHY OF RELIGION	3.0
PHIL 10 *	WORLD RELIGIONS	3.0

List C: Select the course below or any List A or List B course not already used **Units:** 3.0

HUM 1 *	INTRODUCTION TO HUMANITIES	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation, see course description.

PHOTOGRAPHY - A.A. Degree

Summary

The curriculum in the Photography Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate degree. While a baccalaureate or higher degree is recommended for those considering professional careers related to this field, earning the Associate degree may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Demonstrate skills in using camera controls to create an intended image.
- Produce imagery that exhibits an understanding of the principles of design and composition.
- Demonstrate an understanding of new photographic techniques and processes.

Requirements

Required Core: **Units:** 18.0

PHOT 25	HISTORY OF PHOTOGRAPHY	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
PHOT 51 *	INTRODUCTION TO PHOTOSHOP AND DIGITAL IMAGING	3.0
PHOT 55 *	DIGITAL PHOTOGRAPHY II	3.0
PHOT 156 *	DIGITAL PHOTOGRAPHY III	3.0
Select one		3.0
PHOT 152 *	INTERMEDIATE PHOTOSHOP AND DIGITAL IMAGING	3.0
OR		
PHOT 190 *	SPECIAL PROBLEMS IN PHOTOGRAPHY	3.0

Restricted Electives: **Units:** 3.0

PHOT 154 *	ALTERNATIVE DIGITAL PROCESSES	3.0
PHOT 157 *	STUDIO LIGHTING	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PHYSICS - A.S. Degree

Summary

The curriculum in the Physics Associate Degree program is designed to provide the transfer student the opportunity to achieve an Associate of Science degree. While a baccalaureate or higher degree is recommended for those considering majors in engineering, biological sciences, or physics, earning the associate degree may also support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Demonstrate understanding of classical (or Newtonian) and fluid dynamics.
- Demonstrate understanding of classical electricity and magnetism.
- Demonstrate understanding of quantum mechanics, nuclear physics, optics and the special theory of relativity.

Requirements

Required Core: **Units:** 25.0

Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
PHYS 4A *	GENERAL PHYSICS	5.0
PHYS 4B *	GENERAL PHYSICS	5.0
PHYS 4C *	GENERAL PHYSICS	5.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 25.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PHYSICS - AS-T Degree

Summary

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in physics, physics education or a similar major. This background should provide students with the tools to successfully complete a bachelor's degree.

Students who complete the Associate in Science in Physics for Transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate understanding of classical (or Newtonian) and fluid dynamics.
- Demonstrate understanding of classical electricity and magnetism.
- Demonstrate understanding of quantum mechanics, nuclear physics, optics and the special theory of relativity.

Requirements

Required Core: **Units:** 30.0

PHYS 4A *	GENERAL PHYSICS	5.0
PHYS 4B *	GENERAL PHYSICS	5.0
PHYS 4C *	GENERAL PHYSICS	5.0
Select one		5.0
MATH C2210 *	Calculus I: Early Transcendentals	5.0
OR		
MATH C2210H *	Calculus I: Early Transcendentals - Honors	5.0
Complete		10.0
MATH C2220 *	Calculus II: Early Transcendentals	5.0
MATH 3C *	ANALYTIC GEOMETRY AND CALCULUS	5.0

Total: 30.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PIANO PEDAGOGY - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Piano Pedagogy prepares students for audition and transfer into a Bachelors of Arts in Music degree in Piano Pedagogy. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of keyboard styles. There is an audition requirement for MUS 50. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, tone, reading, and musical interpretation of keyboard music genres. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Perform solo and ensemble keyboard repertoire with appropriate technique, phrasing, intonation, and interpretation
- Identify the distinctions of method for teaching piano students at various skill levels, ages, and ability
- Identify age-appropriate literature for students

Requirements

Required Core: **Units:** 19.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 178 *	BEGINNING PIANO PEDAGOGY	3.0
MUS 179 *	INTERMEDIATE PIANO PEDAGOGY	3.0
MUS 156 *	ADVANCED PIANO PEDAGOGY	3.0

Required Ensembles: Complete two semesters from the following **Units:** 3.0

MUS 64 *	PIANO ENSEMBLE	1.5
MUS 65 *	PIANO ACCOMPANYING	1.5

Total: 22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
^ Students must complete 2 semesters of Applied Music to earn the certificate.

PLANT IDENTIFICATION - Occupational Skills Award

Summary

The Plant Identification Occupational Skills Award encourages students to master skills required to identify all of the important annuals, groundcovers, vines, trees, shrubs, and native plants used in Southern California landscapes. Award holders will be able to make recommendations for the incorporation of these species into the landscape based on flower color, time of flowering, height, spread, fruit production, and known problems. This skill set will support students to gain entry level employment in nurseries (both wholesale and retail), tree care companies, landscape maintenance companies, and more.

Learning Outcome(s):

- Grow and maintain ornamental plant materials.
- Identify local plant materials, including herbaceous and trees, shrubs, and California natives.
- Identify plants contributing to local ecologies and habitats.

Requirements

Required Core: **Units:** 8.0

HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 11	PLANT MATERIALS-EDIBLES	3.0
HORT 166	NATIVE PLANTS IN THE URBAN LANDSCAPE	2.0

Total: 8.0

POLITICAL SCIENCE - AA-T Degree

Summary

The curriculum in the Political Science program is designed to provide the transfer student the opportunity to achieve an Associate in Arts in Political Science for Transfer Degree by providing the necessary breadth in the field and an

introduction to the methods used. Students who complete this degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Demonstrate an understanding of the principles and problems of politics in the United States and globally.
- Demonstrate an understanding of the basic systems, theories, ideologies, and models of political analysis.
- Explore specialized fields of study, including international relations, comparative politics, and political philosophy and theory.

Requirements

Required Core: **Units:** 9.0

Select one		3.0
POLS C1000	American Government and Politics	3.0
OR		
POLS C1000H	American Government and Politics - Honors	3.0
PS 12	COMPARATIVE POLITICS AND GOVERNMENT	3.0
PS 14	INTERNATIONAL RELATIONS	3.0

List A: Select two courses (6 units) **Units:** 6.0

PS 4	INTRODUCTION TO POLITICAL SCIENCE	3.0
PS 10H	HONORS POLITICAL THEORY	3.0
PS 11	INTERNATIONAL POLITICAL ECONOMY	3.0
OR		
ECON 11	INTERNATIONAL POLITICAL ECONOMY	3.0

List B: Select one course below or any List A course not already used (3 units) **Units:** 3.0

PS 45	HUMAN RIGHTS IN A GLOBALIZED WORLD	3.0
PS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
GSS 60	GENDER, RACE, SEXUALITY AND THE LAW	3.0
PS 65	INTRODUCTION TO RACE AND ETHNICITY IN POLITICAL SCIENCE	3.0
PS 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
HIST 80	INTRODUCTION TO CONTEMPORARY AFRICA	3.0
ECON C2002 *	Principles of Macroeconomics	3.0
ECON C2002H *	Principles of Macroeconomics - Honors	3.0
GLST 1 *	INTRODUCTION TO GLOBAL STUDIES	3.0
HIST 75	HISTORY OF THE MODERN MIDDLE EAST	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PROJECT MANAGEMENT - Occupational Skills Award

Summary

The Project Management Occupational Skills Award provides the opportunity to master the necessary management concepts to successfully complete projects with an effective level of leadership, planning, and teamwork. The courses assist in the development of the needed skills to gain personal confidence and trust of others to lead a project management team. Completion of this program increases the value of the management skills needed for entry-level employment as well as advancement in a career.

Requirements

Required Core: **Units:** 9.0

BUS 120	BUSINESS MANAGEMENT	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
CIMA 212	MANAGING PROJECTS WITH MICROSOFT PROJECT	3.0

Total: 9.0

PSYCHOLOGY - AA-T Degree

Summary

The curriculum in the Psychology program is designed to provide the transfer student the opportunity to achieve an Associate in Arts in Psychology for Transfer by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework for psychology along with courses required for general education. Students who complete the Associate in Arts in Psychology for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Compare and contrast major theoretical perspectives in psychology.
- Differentiate from pseudoscience.
- Demonstrate knowledge of basic research methods for gathering and evaluating data.
- Apply the principles of psychology to the diverse world in which we live.

Requirements

Required Core: **Units:** 9.0

Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		

STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
Select one		3.0
PSYC 2 *	RESEARCH METHODS IN PSYCHOLOGY	3.0
OR		
PSYC 2H *	HONORS RESEARCH METHODS IN PSYCHOLOGY	3.0

List A: Select one course **Units:** 4.0

BIOL C1000	Introduction to Biology with Lab	4.0
PSYC 3 *	BIOLOGICAL PSYCHOLOGY	4.0

List B: Select one course or any course from List A not already used **Units:** 3.0-4.0

PSYC 4	INTRODUCTION TO COGNITIVE PSYCHOLOGY	3.0
PSYC 7 *	DEVELOPMENTAL PSYCHOLOGY - CHILDHOOD THROUGH ADOLESCENCE	3.0
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0

List C: Select one course or any course from List A or List B not already used **Units:** 3.0-4.0

PSYC 5 *	PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY	3.0
PSYC 16 *	INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY	3.0
PSYC 21	THE PSYCHOLOGY OF WOMEN	3.0
PSYC 25 *	PSYCHOLOGY OF AGING	3.0
PSYC 33	PSYCHOLOGY OF ADJUSTMENT	3.0
PSYC 37 *	ABNORMAL BEHAVIOR	3.0

Total: 19.0-20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PUBLIC HEALTH - AS-T Degree

Summary

The Associate in Science in Public Health for Transfer Degree (AS-T) is designed to prepare students with a general education in the principles, concepts and methodologies of Public Health. Public Health is a dynamic field that focuses on community-based efforts to prevent disease, prolong life, and promote healthy environments and lifestyles. Students discuss the role of community engagement in promoting public health and social justice. They will learn of the multiple determinants of health, including sociological, economic, genetic, behavioral, environmental, and other factors that impact human health and health disparities. Students will gain understanding of the biopsychosocial basis for health and healthy populations. Students study the risk factors and modes of transmission for infectious and chronic diseases and how these diseases affect both personal and public health. They will apply the basic concepts,

methods, and tools of public health data collection, use, and analysis and explain why evidence-based approaches an essential part of public health practice.

Students will be prepared for careers in a variety of settings, including hospitals, state and local health departments, non-profit agencies, educational institutions, research organizations, health clinics, and international programs.

This degree is designed for seamless transfer to a California State University. Students graduating with an Associate in Science in Public Health for Transfer Degree are well positioned to complete a bachelor's degree in a similar major within the California State University system with 60 units of upper-division coursework. Students who complete the Public Health AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students must maintain a minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum 2.0 is required for CSU admission, some majors may require a higher GPA. Please consult a counselor for more information.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Appraise the guiding principles of public health as a discipline, including how public health differs from personal health.
- Propose public health interventions to improve the health of a population.
- Assess the burden of disease on the health of populations, including the impact of environmental exposures and use data to support evidence-based practices.
- Identify the various determinants of health and how it is impacted by policies.

Requirements

Required Core: **Units:** 13.0

HLTH 1	CONTEMPORARY HEALTH ISSUES	3.0
PH 1	INTRODUCTION TO PUBLIC HEALTH	3.0
BIOL C1000	Introduction to Biology with Lab	4.0
Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

List A: Select one **Units:** 4.0-5.0

CHEM 3 *	FUNDAMENTAL CHEMISTRY	4.0
CHEM 1A *	GENERAL CHEMISTRY	5.0
BIO 11 *	HUMAN ANATOMY	4.0
BIO 12 *	HUMAN PHYSIOLOGY	4.0

List B: Complete the following course **Units:** 3.0

PH 103	HEALTH AND SOCIAL JUSTICE	3.0

List C: Complete the following course **Units:** 3.0

PH 110	HEALTH SYSTEMS AND PERSPECTIVES	3.0

Total: 23.0-24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PUBLIC HEALTH INFORMATICS AND TECHNOLOGY - Certificate of Achievement

Summary

This certificate provides skills and knowledge to work in a new, multidisciplinary field. Students will be introduced to the basic concepts of public health infrastructure, data analysis and reporting, public health informatics and information systems, health services organization and delivery methods, data interchange standards, disruptive innovation, and data integrity, privacy, and security. Students can explore careers in the fields of public health, health information management, IT, and health informatics specifically as Medical Records Specialists, Health Information Technologists, and Medical Registrars. The certificate is for both entry-level individuals and for providing additional competencies to those employed in various fields.

Learning Outcome(s):

- Explain the use of information systems support public health policies and practices
- Describe the concept of informatics in individual, organizational, regional, and global contexts
- Describe the concept of interoperability and data exchange standards
- Apply statistical and analytic techniques to analyze and interpret applications based on data from sources

Requirements

Required Core: **Units:** 20.0

PHIT 100 *	HEALTH INFORMATION SCIENCE	2.0
PH 1	INTRODUCTION TO PUBLIC HEALTH	3.0
CIM 8 *	INTRODUCTION TO DATA SCIENCE	3.0
PHIT 230	INTRODUCTION TO PUBLIC HEALTH INFORMATICS AND TECHNOLOGY	3.0
PH 110	HEALTH SYSTEMS AND PERSPECTIVES	3.0
PHIT 240	PUBLIC HEALTH DATA REPORTING TECHNIQUES	3.0
PHIT 111 *	INTRODUCTION TO HEALTH INFORMATICS	3.0

Total: 20.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

REAL ESTATE - A.S. Degree

Summary

This Real Estate program is designed to educate the student to become an effective Real Estate professional. Activities related to the program are real estate practice, law, appraisal, finance, computations, escrow, investment, exchanging, and taxation. To qualify to sit for the California Salesperson's license exam, three classes are required, and the state exam can be taken before the degree is completed. Please refer to the California Department of Real Estate webpage for details. To qualify to sit for the California Broker's license exam, eight total classes and two years of full-time experience are required. Please check with the California Department of Real Estate for any changes.

Potential careers that could be obtained with this degree include: Real Estate Salesperson (residential or commercial), Real Estate Broker (residential or commercial), Title Insurance Representative, Property Manager, Real Estate Consultant, or Real Estate Entrepreneur.

Learning Outcome(s):

- Meet their career preparation goals as well as qualify for a state licensing exam to become a Real Estate Salesman or Broker.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Demonstrate mastery of the skills necessary to become a Real Estate Salesman or Broker.

Requirements

Required Core: **Units:** 6.0

RE 170	REAL ESTATE PRINCIPLES	3.0
RE 172	REAL ESTATE PRACTICE	3.0

Select Broker Option or Salesperson Option: **Units:** 12.0-18.0

Broker Option (Students take all six courses)		18.0
RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 176A	REAL ESTATE APPRAISAL I	3.0
RE 178	REAL ESTATE ECONOMICS	3.0
RE 190	ESCROW	3.0
RE 195	PROPERTY MANAGEMENT	3.0

Salesperson Option (Students select four 3-unit courses)		12.0
RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 176A	REAL ESTATE APPRAISAL I	3.0
RE 176B	REAL ESTATE APPRAISAL II	3.0
RE 176C	REAL ESTATE APPRAISAL III MARKET ANALYSIS AND STUDIES	3.0
RE 178	REAL ESTATE ECONOMICS	3.0
RE 190	ESCROW	3.0
RE 195	PROPERTY MANAGEMENT	3.0
RE 202	COMPUTER APPLICATIONS IN REAL ESTATE	3.0
RE 255	REAL ESTATE LICENSE PREPARATION	1.0
RE 280	MORTGAGE LOAN BROKERING AND LENDING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-24.0

REAL ESTATE - Certificate of Achievement

Summary

This Real Estate certificate is designed to educate the student and provide the courses required to qualify for the California Salesperson's license exam. This certificate is geared towards the aspiring Real Estate professional, as well as investors and consumers.

Potential careers that could be obtained with this certificate include: Real Estate Salesperson (residential or commercial), Title Insurance Representative, Property Manager, Real Estate Consultant, or Real Estate Entrepreneur.

Learning Outcome(s):

- Meet their career preparation goals as well as qualify for a state licensing exam to become a Real Estate Salesperson or Broker.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Demonstrate mastery of the following core competencies: General Real Estate law, the escrow process, landlord/tenant rights, real estate finance instruments, and the appraisal process.

Requirements

Required Core: **Units:** 6.0

RE 170	REAL ESTATE PRINCIPLES	3.0
RE 172	REAL ESTATE PRACTICE	3.0

Restricted Electives: **Units:** 6.0-7.0

RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 176A	REAL ESTATE APPRAISAL I	3.0
RE 176B	REAL ESTATE APPRAISAL II	3.0
RE 176C	REAL ESTATE APPRAISAL III MARKET ANALYSIS AND STUDIES	3.0
RE 178	REAL ESTATE ECONOMICS	3.0
RE 190	ESCROW	3.0
RE 195	PROPERTY MANAGEMENT	3.0
RE 202	COMPUTER APPLICATIONS IN REAL ESTATE	3.0
RE 255	REAL ESTATE LICENSE PREPARATION	1.0
RE 280	MORTGAGE LOAN BROKERING AND LENDING	3.0

Total: 12.0-13.0

REAL ESTATE APPRAISAL - A.S. Degree

Summary

The Real Estate Appraisal Program is designed to prepare students with educational courses needed for positions within the Real Estate Appraisal profession and to meet the California State requirements under the Bureau of Real Estate Appraisers (BREA). Please note, the Bureau of Real Estate Appraisers requires applicable hours of experience along with qualifying coursework to sit for the state exam. Please refer to the BREA webpage for current requirements.

Potential careers that could be obtained with this degree include: Real Estate Appraiser.

Learning Outcome(s):

- Meet their career goals toward getting a job in the Real Estate appraisal industry.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Demonstrate mastery of the following core competencies: Understanding value, the appraisal process, property descriptions, data collection and analysis, construction terminology, approaches to value, opinion of value.

Requirements

Required Core: **Units:** 19.5

RE 170	REAL ESTATE PRINCIPLES	3.0
RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 176A	REAL ESTATE APPRAISAL I	3.0
RE 176B	REAL ESTATE APPRAISAL II	3.0
RE 176C	REAL ESTATE APPRAISAL III MARKET ANALYSIS AND STUDIES	3.0
RE 200	UNIFORM STANDARDS OF PROFESSIONAL APPRAISAL PRACTICE (USPAP)	1.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 19.5

REAL ESTATE APPRAISAL - Certificate of Achievement

Summary

The Real Estate Appraisal certificate is designed to give students an introduction to the world of Real Estate Appraisal. Many of the courses included in this certificate apply toward educational requirements needed to sit for the Bureau of Real Estate Appraisers (BREA) state exam.

Potential careers that could be obtained with this certificate include: Real Estate Appraisal Assistant.

Learning Outcome(s):

- Meet their career goals toward getting a job in the Real Estate appraisal industry.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Demonstrate mastery of the following core competencies: Understanding value, the appraisal process, property descriptions, data collection and analysis, construction terminology, approaches to value, opinion of value.

Requirements

Required Core: **Units:** 10.5

RE 176A	REAL ESTATE APPRAISAL I	3.0
RE 176B	REAL ESTATE APPRAISAL II	3.0
RE 176C	REAL ESTATE APPRAISAL III MARKET ANALYSIS AND STUDIES	3.0
RE 200	UNIFORM STANDARDS OF PROFESSIONAL APPRAISAL PRACTICE (USPAP)	1.5

Restricted Electives: **Units:** 3.0

RE 170	REAL ESTATE PRINCIPLES	3.0
RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0

Total: 13.5

REAL ESTATE ESCROW - A.S. Degree

Summary

The Real Estate Escrow Associate of Science degree is designed to educate the student to become an effective escrow professional. Activities related to this field are escrow principles, practice, and professionalism. Associated courses in real estate, management, and office procedures are provided.

Potential careers that could be obtained with this degree include: Escrow Receptionist, Escrow Office Administrator, Trust Account Banking Associate, Escrow Auditor, Escrow Processor, Escrow Assistant, Junior Escrow Officer, Escrow Officer, Escrow Branch/Site Manager.

Learning Outcome(s):

- Meet their career preparation goals as well as qualify for a state licensing exam to become an Escrow Agent.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Mastery of the skills necessary to become an Escrow Agent.

Requirements

Required Core: **Units:** 18.0

CIM 120	COMPUTER LITERACY	1.5
CIM 121A	KEYBOARDING FOR COMPUTERS - BEGINNING	1.5
RE 170	REAL ESTATE PRINCIPLES	3.0
RE 172	REAL ESTATE PRACTICE	3.0

RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 190	ESCROW	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0

REAL ESTATE ESCROW - Certificate of Achievement

Summary

The Real Estate Escrow program is designed to educate the student to become an effective escrow professional. Activities related to this field are escrow principles, practice, and professionalism. Associated courses in real estate, management, and office procedures are provided.

Potential careers that could be obtained with this certificate include: Escrow Receptionist, Escrow Office Administrator, Trust Account Banking Associate, Escrow Auditor, Escrow Processor, Escrow Assistant, Junior Escrow Officer, Escrow Officer, Escrow Branch/Site Manager.

Learning Outcome(s):

- Meet their career preparation goals as well as qualify for a state licensing exam to become an Escrow Agent.
- Meet personal or consumer education goals. (Examples: Students will indicate better preparation for making home purchase or sale decisions; students will indicate better preparation for completing real estate finance transactions.)
- Evaluate their professional improvement objectives as having been met. (Examples: Students will indicate that they will be able to improve their job performance or that they are more qualified for either a hierarchical or lateral career move.)
- Mastery of the skills necessary to become an Escrow Agent.

Requirements

Required Core: **Units:** 18.0

CIM 120	COMPUTER LITERACY	1.5
CIM 121A	KEYBOARDING FOR COMPUTERS - BEGINNING	1.5
RE 170	REAL ESTATE PRINCIPLES	3.0
RE 172	REAL ESTATE PRACTICE	3.0
RE 174	LEGAL ASPECTS OF REAL ESTATE	3.0
RE 175	REAL ESTATE FINANCE	3.0
RE 190	ESCROW	3.0

Total: 18.0

REGISTERED NURSE - A.S. Degree

Summary

The Nursing Program at Saddleback College offers a curriculum that qualifies the graduate to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program provides graduates with the education necessary to become competent entry level registered nurses, to obtain employment in a variety of settings, and to provide quality patient centered care.

ENROLLMENT PROCEDURES

See the program's webpage for the current enrollment procedures and criteria.

The program is approved by the California Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN).

California Board of Registered Nursing
P. O. Box 944210
Sacramento, CA 94244
916-322-3350 or http://www.rn.ca.gov

Accrediting Commission for Education in Nursing, Inc.
3343 Peachtree Road, NE, Suite 850
Atlanta, Georgia 30326
404-975-5000 or www.acenursing.org

The Nursing Program offers evidence-based theory and clinical nursing courses that build upon a foundation of biological, psychological, and social sciences, as well as communication skills, and critical thinking, to prepare competent entry level professional registered nurses. The ADN Program focuses on a strong medical surgical foundation, and the application of nursing process across the lifespan in a variety of healthcare settings to deliver high quality health care. Leadership skills and lifelong learning are emphasized as the student nurse takes on the role of the professional RN.

Learning Outcome(s):

- Demonstrate sufficient preparation to pass the NCLEX upon first attempt.
- Promote and maintain a safe environment by integrating current evidence-based practice, the nursing process, and skill competency to deliver quality health care.
- Demonstrate the knowledge, skills, and attitudes required of the professional nurse as defined by the California Nurse Practice Act and standards of nursing practice.

To file a complaint about this program, contact:

- California Board of Registered Nursing
- Accreditation Commission for Education in Nursing

Requirements

Required prerequisites prior to Nursing Clinical Sequence: **Units:** 17.0

BIO 11 *	HUMAN ANATOMY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 12 * ***	HUMAN PHYSIOLOGY	4.0
Select one		4.0
ENGL C1000 * ****	Academic Reading and Writing	4.0
OR		
ENGL C1000H * ****	Academic Reading and Writing - Honors	4.0

Eligible for Entry into Nursing Clinical Sequence: **Units:** 46.0

Semester I		15.0
N 160 * **	PHARMACOLOGY FOR NURSING	3.0
N 165 **	LIFECYCLE 1, FUNDAMENTALS OF AGING	1.5
N 170 *	NURSING PROCESS	3.0
N 170L * #	NURSING PROCESS LAB	4.5
N 171 *	MENTAL HEALTH NURSING	2.0
N 171L * #	MENTAL HEALTH NURSING LAB	1.0
Semester II		13.0
PSYC C1000 **	Introduction to Psychology	3.0
OR		
PSYC C1000H **	Introduction to Psychology - Honors	3.0
N 161 **	LIFECYCLE 2, GROWTH AND DEVELOPMENT	1.5
N 172 *	MEDICAL-SURGICAL NURSING	3.5
N 172L * #	MEDICAL-SURGICAL NURSING LAB	5.0
Semester III		7.0
N 173 *	NURSING CARE OF CHILDREN AND FAMILIES	1.5
N 173L * #	NURSING CARE OF CHILDREN AND FAMILIES LAB	2.0
N 174 *	WOMEN'S HEALTH NURSING	1.5
N 174L * #	WOMEN'S HEALTH NURSING LAB	2.0
Semester IV		11.0
COMM C1000 **	Introduction to Public Speaking	3.0
OR		
COMM C1000H **	Introduction to Public Speaking - Honors	3.0
OR		
COMM C1004 **	Interpersonal Communication	3.0
N 176 *	ADVANCED NURSING	3.0
N 176L * #	ADVANCED NURSING LAB	5.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 63.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
** Courses can be taken prior to entry into the program.
*** Human Physiology must have been completed within the last 7 years.
# Clinical course

**** Freshman Composition 3-unit equivalent course will be accepted.

REGISTERED NURSE - Certificate of Achievement

Summary

The Nursing Program at Saddleback College offers a curriculum that qualifies the graduate to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program provides graduates with the education necessary to become competent entry level registered nurses, to obtain employment in a variety of settings, and to provide quality patient centered care.

ENROLLMENT PROCEDURES

See the program's webpage for the current enrollment procedures and criteria.

The program is approved by the California Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN).

California Board of Registered Nursing
P. O. Box 944210
Sacramento, CA 94244
916-322-3350 or http://www.rn.ca.gov

Accrediting Commission for Education in Nursing, Inc.
3343 Peachtree Road, NE, Suite 850
Atlanta, Georgia 30326
404-975-5000 or www.acenursing.org

The Nursing Program offers evidence-based theory and clinical nursing courses that build upon a foundation of biological, psychological, and social sciences, as well as communication skills, and critical thinking, to prepare competent entry level professional registered nurses. The Nursing Program focuses on a strong medical surgical foundation, and the application of nursing process across the lifespan in a variety of healthcare settings to deliver high quality health care. Leadership skills and lifelong learning are emphasized as the student nurse takes on the role of the professional RN.

Learning Outcome(s):

- Demonstrate sufficient preparation to pass the NCLEX upon first attempt.
- Promote and maintain a safe environment by integrating current evidence-based practice, the nursing process, and skill competency to deliver quality health care.
- Demonstrate the knowledge, skills, and attitudes required of the professional nurse as defined by the California Nurse Practice Act and standards of nursing practice.

To file a complaint about this program, contact:

- California Board of Registered Nursing
- Accreditation Commission for Education in Nursing

Requirements

Required prerequisites prior to Nursing Clinical Sequence: **Units:** 17.0

BIO 11 *	HUMAN ANATOMY	4.0
BIO 15 *	GENERAL MICROBIOLOGY	5.0
BIO 12 * ***	HUMAN PHYSIOLOGY	4.0
Select one		4.0

ENGL C1000 * ****	Academic Reading and Writing	4.0
OR		
ENGL C1000H * ****	Academic Reading and Writing - Honors	4.0

Eligible for Entry into Nursing Clinical Sequence: **Units:** 46.0

Semester I		15.0
N 160 * **	PHARMACOLOGY FOR NURSING	3.0
N 165 **	LIFECYCLE 1, FUNDAMENTALS OF AGING	1.5
N 170 *	NURSING PROCESS	3.0
N 170L * #	NURSING PROCESS LAB	4.5
N 171 *	MENTAL HEALTH NURSING	2.0
N 171L * #	MENTAL HEALTH NURSING LAB	1.0
Semester II		13.0
PSYC C1000 **	Introduction to Psychology	3.0
OR		
PSYC C1000H **	Introduction to Psychology - Honors	3.0
N 161 **	LIFECYCLE 2, GROWTH AND DEVELOPMENT	1.5
N 172 *	MEDICAL-SURGICAL NURSING	3.5
N 172L * #	MEDICAL-SURGICAL NURSING LAB	5.0
Semester III		7.0
N 173 *	NURSING CARE OF CHILDREN AND FAMILIES	1.5
N 173L * #	NURSING CARE OF CHILDREN AND FAMILIES LAB	2.0
N 174 *	WOMEN'S HEALTH NURSING	1.5
N 174L * #	WOMEN'S HEALTH NURSING LAB	2.0
Semester IV		11.0
COMM C1000 **	Introduction to Public Speaking	3.0
OR		
COMM C1000H **	Introduction to Public Speaking - Honors	3.0
OR		
COMM C1004 **	Interpersonal Communication	3.0
N 176 *	ADVANCED NURSING	3.0
N 176L * #	ADVANCED NURSING LAB	5.0

Total: 63.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
** Courses can be taken prior to entry into the program.
*** Human Physiology must have been completed within the last 7 years.
# Clinical course
**** Freshman Composition 3-unit equivalent course will be accepted.

SALON MANAGEMENT - Certificate of Achievement

Summary

The Certificate of Achievement in Salon Management prepares the licensed Cosmetologist, Barber, Esthetician, Hairstylist, or Manicurist to open and operate their own salon or manage a salon for another owner. Topics include opportunity assessment, target markets, marketing strategies, financial measurement metrics, legal considerations, human resource management, and operational and management issues.

Learning Outcome(s):

- Develop a business plan
- Identify target markets and develop a marketing plan
- Apply human resource management principles
- Anticipate and resolve personnel problems
- Navigate legal aspects of opening and running a business
- Determine pricing and profit margins
- Calculate financial metrics

Requirements

Required Core: **Units:** 10.0

BUS 160	ENTREPRENEURSHIP	3.0
BUS 223	HUMAN RESOURCE MANAGEMENT	3.0
BUS 106	LEGAL ASPECTS OF ENTREPRENEURSHIP	2.0
BUS 232 *	SALON MANAGEMENT	2.0

Restricted Electives: Complete 6-7 units (2-3 courses) **Units:** 6.0-7.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 105	SOCIAL MEDIA MARKETING	3.0
BUS 118	BUSINESS LEADERSHIP	3.0
BUS 120	BUSINESS MANAGEMENT	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 135	MARKETING	3.0
BUS 136	PRINCIPLES OF RETAILING	3.0
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0-4.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
BUS 205	BUSINESS MATH	3.0
ACCT 235	ENTREPRENEURIAL ACCOUNTING	3.0
CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0

Total: 16.0-17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SCENIC ART AND PAINTING - Occupational Skills Award

Summary

The Scenic Art and Painting Occupational Skills Award is designed to prepare the student for employment as a scenic artist and painter in the entertainment industry; including theatre, theme parks, television, movies, corporate events, trade shows, sporting events, faith-based events, and all other forms of live entertainment. The program is designed to develop a solid foundation of skills so students can work closely with designers, art directors and other professionals in the various areas that comprise the Entertainment Industry as well as other industries that utilize the skills of a scenic artist. Students are required to participate as paint crew on the Department of Theatre Arts productions as well as other field work.

Learning Outcome(s):

- Develop the basic skills and knowledge needed to be employed as a professional scenic artist and/or painter.
- Apply new techniques and materials learned in the entertainment industry and theatre.
- Learn the skills needed for internships and cooperative work experience and to prepare them for seeking work in the field of scenic art and paint for the entertainment industry.
- Develop a working knowledge of the vocabulary, techniques, safety procedures, supplies, equipment, and standard practices of scenic painting in the industry.
- Acquire the essential skills and technical knowledge needed to be a charge painter for an entertainment event while using standard practices of the industry.
- Develop the knowledge needed for supervision of a crew from the conceptual to the finished project.

Requirements

Required Core: **Units:** 12.0

First Semester		6.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 144	THEATRE SCENERY PAINTING	2.0
ETT 244 *	ADVANCED SCENERY PAINTING	3.0
Second Semester		6.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 242 *	STYLES OF PAINT FOR THE ENTERTAINMENT INDUSTRY	3.0
ETT 180WE *	ENTERTAINMENT AND THEATRE TECHNOLOGY WORK EXPERIENCE	2.0

Total: 12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SOCIAL WORK AND HUMAN SERVICES - AA-T Degree

Summary

The Associate in Arts in Social Work and Human Services for Transfer degree prepares students for transfer into majors such as interdisciplinary Health and Human Services, Criminal Justice, Human Services, Social Work, and Sociology. Coursework provides students with direct fieldwork exposure, elements of case assessment and case management, ethical conduct and understanding the qualities of an effective human services professional, while incorporating critical thinking and self-exploration. Upon completion of the degree, students will have a strong academic foundation in interdisciplinary Social and Human Services and satisfy lower-division requirements for transfer to the CSU in preparation for upper-division baccalaureate study or entry into the workforce in state and county agencies, non-profits, and case management and social services work. Students who complete this degree receive priority admission to the CSU system, though admission to a specific campus or major is not guaranteed.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or “P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Assess client strengths and needs in the context of whole person within culture.
- Demonstrate working knowledge of community agencies, which deliver human services locally, and statewide.
- Demonstrate and identify the qualities of an effective human services professional.
- Critically evaluate and analyze systematic factors contributing to social services needs.

- Understand ethical principles and policies guiding competent provision of services.

Requirements

Required Core: **Units:** 26.0

HS 100	INTRODUCTION TO HUMAN SERVICES	3.0
HS 110 *	FIELD INSTRUCTION AND SEMINAR I	3.5
HS 150 *	FIELD INSTRUCTION AND SEMINAR II	3.5
Select one		3.0
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
Select one		3.0
PSYC C1000	Introduction to Psychology	3.0
OR		
PSYC C1000H	Introduction to Psychology - Honors	3.0
Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0
Select one		4.0
BIO 11 *	HUMAN ANATOMY	4.0
OR		
BIO 12 *	HUMAN PHYSIOLOGY	4.0
OR		
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
Select one		3.0
ECON C2001 *	Principles of Microeconomics	3.0
OR		
ECON C2001H *	Principles of Microeconomics - Honors	3.0
OR		
ECON C2002 *	Principles of Macroeconomics	3.0
OR		
ECON C2002H *	Principles of Macroeconomics - Honors	3.0

List A: Select two courses **Units:** 6.0

HS 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
OR		
SOC 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
ANTH 2	CULTURAL ANTHROPOLOGY	3.0
OR		

ANTH 2H	HONORS CULTURAL ANTHROPOLOGY	3.0
CDEV C1000	Child Growth and Development	3.0
CDE 15	CHILD, FAMILY, AND COMMUNITY	3.0
COMM 20	INTERCULTURAL COMMUNICATION	3.0
PSYC 37 *	ABNORMAL BEHAVIOR	3.0
HS 120 *	HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT	3.0
HS 170	ALCOHOL AND OTHER DRUGS IN OUR SOCIETY	3.0
OR HS 172 *	PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS	3.0
HS 105	ETHICAL ISSUES AND CLIENTS' RIGHTS	3.0
OR HS 131	MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES	3.0
OR HS 140	GROUP LEADERSHIP AND GROUP PROCESS	3.0

Total: 32.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SOCIOLOGY - AA-T Degree

Summary

The curriculum in the Associate in Arts in Sociology for Transfer is designed to provide the transfer student the opportunity to achieve an Associate degree. Students who complete the Associate in Arts in Sociology for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While a baccalaureate or higher degree is recommended for those considering professional careers, earning the Associate degree may support attempts to gain entry-level employment in social services or promotion.

The Sociology Associate in Arts for Transfer degree can prepare students for related careers in social services, community work, corrections, business, college settings, health services, publishing, journalism, public relations, government services, teaching, and research. Some careers require advanced degrees (teaching credential, police academy, Master's degree, etc.).

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a “C” (or “P” Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Identify the current goals of sociology.
- Compare and contrast the three main sociological theories in sociology.
- Apply social theories to analyze current or historical topics or events.
- Differentiate social research and social research methods from other research models.
- Evaluate current social research.
- Describe the role that culture plays in affecting group as well as individual behaviors.
- Differentiate between Sociology and the other social sciences.
- Define and apply the sociological imagination/sociological perspective.

- Identify and apply specific sociological terms and concepts.
- Explain how various social locations such as class, race, gender, age and sexuality are vital to the study of sociology and apply them to specific sociological topics.
- Identify specific social problems and their cause-effect patterns.
- Critically evaluate the proposed ways to alleviate the major social problems facing society today.
- Identify and analyze social change and the impact on society.
- Examine and analyze institutional influences on individuals, groups, and society.
- Identify and evaluate community support services and agencies.

Requirements

Required Core: **Units:** 9.0

Select one		3.0
SOCI C1000	Introduction to Sociology	3.0
OR		
SOCI C1000H	Introduction to Sociology - Honors	3.0
Select one		3.0
SOC 2	SOCIAL PROBLEMS	3.0
OR		
SOC 2H	HONORS SOCIAL PROBLEMS	3.0
Select one		3.0
BUS 10 *	BUSINESS STATISTICS	3.0
OR		
STAT C1000 *	Introduction to Statistics	3.0
OR		
STAT C1000H *	Introduction to Statistics - Honors	3.0
OR		
PSYC 44 *	STATISTICS FOR THE BEHAVIORAL SCIENCES	3.0

List A: Select two courses (6 units) **Units:** 6.0

SOC 10	INTRODUCTION TO MARRIAGE AND THE FAMILY	3.0
ES 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
OR		
SOC 9	RACIAL AND ETHNIC GROUPS IN THE UNITED STATES	3.0
PSYC 30 *	SOCIAL PSYCHOLOGY	3.0
OR		
SOC 30 *	SOCIAL PSYCHOLOGY	3.0

List B: Select one of the following courses or any List A course not already selected above (3 units) **Units:** 3.0

SOC 12	SOCIOLOGY OF AGING	3.0
SOC 15 *	SOCIALIZATION OF THE CHILD	3.0
SOC 16	DEATH AND DYING	3.0
SOC 18	INTRODUCTION TO AGING	3.0
SOC 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
OR		
HS 19	INTRODUCTION TO CRIMINAL JUSTICE SYSTEM	3.0
SOC 21	WOMEN IN CONTEMPORARY SOCIETY	3.0

SOC 23	FOOD AND SOCIETY	3.0
SOC 25	SOCIAL STRATIFICATION	3.0
SOC 37	INTRODUCTION TO CRIMINOLOGY	3.0
OR		
HS 37	INTRODUCTION TO CRIMINOLOGY	3.0
GSS 10	INTRODUCTION TO GENDER AND SEXUALITY STUDIES	3.0
OR		
GSS 10H	HONORS INTRO TO GENDER AND SEXUALITY STUDIES	3.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SOFTWARE SPECIALIST - A.S. Degree

Summary

The Software Specialist program prepares the student for an entry-level position as a knowledge worker in the technical work environment using industry-standard software packages. The program focuses on the most popular Microsoft 365 applications. A student should be able to obtain work as a computer support specialist or help in obtaining numerous office administrator roles.

Learning Outcome(s):

- Demonstrate key skills for employment using industry-standard software.
- Apply skills in a broad range of media appropriate for a diverse population of technical students.
- Use job skills in technical professional business environments.

Requirements

Required Core: **Units:** 15.0-16.0

Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
Select one		3.0
CIMA 106	DATABASE - ACCESS	3.0
OR		
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0

Restricted Electives: **Units:** 3.0

CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIM 121A	KEYBOARDING FOR COMPUTERS - BEGINNING	1.5
CIM 121B *	KEYBOARDING FOR COMPUTERS - INTERMEDIATE	1.5
CIM 121C *	KEYBOARDING FOR COMPUTERS - ADVANCED	1.5
CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0
CIMA 204	ADVANCED SPREADSHEETS - EXCEL	3.0
CIMA 212	MANAGING PROJECTS WITH MICROSOFT PROJECT	3.0

CIMA 223A *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--BEGINNING	1.5
CIMA 223B *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--ADVANCED	1.5
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SOFTWARE SPECIALIST - Certificate of Achievement

Summary

The Software Specialist program prepares the student for an entry-level position as a knowledge worker in the technical work environment using industry-standard software packages. The program focuses on the most popular Microsoft 365 applications. A student should be able to obtain work as a computer support specialist or help in obtaining numerous office administrator roles.

Learning Outcome(s):

- Demonstrate key skills for employment using industry-standard software.
- Apply skills in a broad range of media appropriate for a diverse population of technical students.
- Use job skills in technical professional business environments.

Requirements

Required Core: **Units:** 15.0-16.0

Select one		3.0-4.0
CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
OR		
CIM 112	MICROSOFT OFFICE	3.0
CIMA 102	WORD PROCESSING - WORD	3.0
CIMA 104	SPREADSHEETS - EXCEL	3.0
Select one		3.0
CIMA 106	DATABASE - ACCESS	3.0
OR		
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMA 108	BUSINESS PRESENTATIONS - POWERPOINT	3.0

Restricted Electives: **Units:** 3.0

CIM 10	INTRODUCTION TO INFORMATION SYSTEMS	3.0
CIM 121A	KEYBOARDING FOR COMPUTERS - BEGINNING	1.5
CIM 121B *	KEYBOARDING FOR COMPUTERS - INTERMEDIATE	1.5
CIM 121C *	KEYBOARDING FOR COMPUTERS - ADVANCED	1.5
CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0
CIMA 204	ADVANCED SPREADSHEETS - EXCEL	3.0
CIMA 212	MANAGING PROJECTS WITH MICROSOFT PROJECT	3.0
CIMA 223A *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--BEGINNING	1.5
CIMA 223B *	COMPUTERIZED ACCOUNTING - QUICKBOOKS--ADVANCED	1.5
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SPANISH - A.A. Degree

Summary

This Associate of Arts in Spanish degree provides a comprehensive foundation in the Spanish language and culture. The degree ensures the development of listening, reading, writing, and speaking skills and an informed appreciation of Spanish speaking cultures. This program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in Spanish. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution as many have unique admissions and preparation-for-the-major requirements. Students should meet with a counselor to identify required courses and to develop a written plan for their targeted university. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate degree would demonstrate achievement and may support attempts to gain entry-level employment or promotion.

Learning Outcome(s):

- Accurately interpret written sections in Spanish.
- Accurately interpret spoken language in Spanish.
- Converse proficiently in Spanish.
- Demonstrate knowledge of culture and history of Spanish speaking people.

Requirements

Required Core: **Units:** 20.0

Select one		5.0
SPAN 1 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 1H *	HONORS ELEMENTARY SPANISH	5.0
Select one		5.0
SPAN 2 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 2H *	HONORS ELEMENTARY SPANISH	5.0
SPAN 3 *	INTERMEDIATE SPANISH	5.0
SPAN 4 *	INTERMEDIATE SPANISH	5.0

Restricted Electives: **Units:** 3.0

SPAN 6 *	INTERMEDIATE SPANISH GRAMMAR AND COMPOSITION	3.0
SPAN 10 *	INTERMEDIATE CONVERSATIONAL SPANISH	3.0
SPAN 11 *	ADVANCED CONVERSATIONAL SPANISH	3.0
SPAN 20A *	CIVILIZATION OF SPAIN THROUGH 1898	3.0
SPAN 20B *	CIVILIZATION OF SPAIN 1898 TO PRESENT	3.0
SPAN 21A *	CIVILIZATION OF LATIN AMERICA THROUGH 1900	3.0
SPAN 21B *	CIVILIZATION OF LATIN AMERICA 1900-PRESENT	3.0
SPAN 21C *	HISPANIC CULTURE AND LITERATURE IN THE UNITED STATES	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SPANISH - AA-T Degree

Summary

The curriculum in the Spanish program is designed to offer the transfer student an Associate in Arts in Spanish for Transfer degree by providing the necessary breadth in the field and the ability to complete both preparatory coursework for Spanish along with courses required for general education. Students who complete the Associate in Arts in Spanish for Transfer degree will receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Accurately interpret written sections in Spanish.
- Accurately interpret spoken language in Spanish.
- Converse proficiently in Spanish.
- Demonstrate knowledge of culture and history of Spanish speaking people.

Requirements

Required Core: **Units:** 20.0

Select one		5.0
SPAN 1 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 1H *	HONORS ELEMENTARY SPANISH	5.0
Select one		5.0
SPAN 2 *	ELEMENTARY SPANISH	5.0
OR		
SPAN 2H *	HONORS ELEMENTARY SPANISH	5.0
Complete		10.0
SPAN 3 *	INTERMEDIATE SPANISH	5.0
SPAN 4 *	INTERMEDIATE SPANISH	5.0

List A: Select one course **Units:** 3.0

SPAN 6 *	INTERMEDIATE SPANISH GRAMMAR AND COMPOSITION	3.0
SPAN 10 *	INTERMEDIATE CONVERSATIONAL SPANISH	3.0
SPAN 11 *	ADVANCED CONVERSATIONAL SPANISH	3.0
SPAN 20A *	CIVILIZATION OF SPAIN THROUGH 1898	3.0
SPAN 20B *	CIVILIZATION OF SPAIN 1898 TO PRESENT	3.0
SPAN 21A *	CIVILIZATION OF LATIN AMERICA THROUGH 1900	3.0
SPAN 21B *	CIVILIZATION OF LATIN AMERICA 1900-PRESENT	3.0
SPAN 21C *	HISPANIC CULTURE AND LITERATURE IN THE UNITED STATES	3.0

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SPORTS NUTRITION - Certificate of Achievement

Summary

The Sports Nutrition Certificate of Achievement will prepare students entering the growing field of sports nutrition—helping athletes optimize their performance through diet. Students will be trained to relate diet to health and fitness, identify deficiencies and excesses in the diets of athletes, apply research in the area of sports nutrition, utilize current dietary principles to optimize performance, and identify disordered eating and weight management practices inherent in many sports. They will learn how to plan balanced pre-event, race-day and recovery diets tailored to the unique needs of strength-building and endurance athletes.

The certificate will prepare students for a wide variety of entry-level employment opportunities in recreational programs, health clubs, medical centers, gyms, health food stores, nutritional supplement sales, and with sports teams. The certificate can also be used to help those already in the field of nutrition further specialize their knowledge and experience.

Learning Outcome(s):

- Identify components of a healthy diet that lead to optimal performance for both endurance and strength athletes.
- Assess an individual athlete's nutritional status and make appropriate dietary recommendations.
- Analyze credible research on ergogenic aids, supplements and diets specific to athletes.

Requirements

Required Core: **Units:** 12.0

NUTR 50	FUNDAMENTALS OF NUTRITION	3.0

NUTR 164	SPORTS NUTRITION	3.0
NUTR 160	NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS	3.0
KNES 52	FUNDAMENTALS OF HUMAN MOVEMENT	3.0

Total: 12.0

STUDIO ARTS - A.A. Degree

Summary

The A.A. in Studio Arts prepares individuals to generally function as creative artists in visual media. Includes instruction in the traditional fine arts media (drawing, painting, sculpture, printmaking,) and/or modern media (ceramics, textiles, intermedia, photography, digital images), theory of art, color theory, composition and perspective, anatomy, the techniques and procedures for maintaining equipment and managing a studio, and art portfolio marketing. The Studio Arts A.A. degree provides transfer preparation for students interested in pursuing further education in Studio Arts or Fine Arts. While a baccalaureate or higher degree is recommended, earning the associate degree would demonstrate achievement and will support entrepreneurial students in starting their own creative careers and art related work.

Learning Outcome(s):

- Demonstrate critical thinking and problem solving skills needed to develop a personal aesthetic.
- Demonstrate practical skills that translate into a higher level of qualification for transfer or employment in the areas of illustration, painting, printmaking, ceramics, sculpture, jewelry, metalsmithing, photography, art education, museum studies, art sales, digital arts and many other art related careers.
- Demonstrate skills to pursue lifelong learning in the areas of studio arts.

Requirements

Required Core: **Units:** 27.0

ART 40	2-D FOUNDATIONS	3.0
ART 41 *	THREE-DIMENSIONAL DESIGN	3.0
ART 50 *	PAINTING - I	3.0
ART 80	DRAWING I	3.0
ART 85 *	DRAWING FROM THE LIVE MODEL I	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
ART 143 *	PROFESSIONAL PRACTICES: LAUNCHING A CREATIVE CAREER	3.0

Restricted Electives: Select four courses (12 units) **Units:** 12.0

ART 9 *	CERAMICS FUNDAMENTALS	3.0
ART 10 *	CERAMICS - HANDBUILDING I	3.0
ART 14 *	CERAMICS - HANDBUILDING II	3.0
ART 15 *	CERAMICS - HANDBUILDING III	3.0
ART 11 *	CERAMICS - WHEEL I	3.0
ART 12 *	CERAMICS - WHEEL II	3.0
ART 13 *	CERAMICS - WHEEL III	3.0
ART 150 *	ARCHITECTURAL CERAMICS I	3.0
ART 20	BEGINNING GRAPHIC DESIGN	3.0
OR		
GD 20	BEGINNING GRAPHIC DESIGN	3.0
ART 42 *	COLOR THEORY AND PRACTICE	3.0

ART 51 *	PAINTING - II	3.0
ART 52 *	PAINTING - III	3.0
ART 53 *	PAINTING FROM THE LIVE MODEL I	3.0
ART 54 *	PAINTING FROM THE LIVE MODEL II	3.0
ART 57 *	WATERCOLOR I	3.0
ART 58 *	WATERCOLOR II	3.0
ART 59 *	WATERCOLOR III	3.0
ART 161 *	OPAQUE WATERCOLOR	3.0
ART 60 *	PRINTMAKING I	3.0
ART 61 *	PRINTMAKING II	3.0
ART 62 *	PRINTMAKING III	3.0
ART 164 *	PRINTMAKING IV	3.0
ART 63	INTRODUCTION TO SCREEN PRINTING	3.0
OR		
GC 63	INTRODUCTION TO SCREEN PRINTING	3.0
ART 70	SCULPTURE I	3.0
ART 71 *	SCULPTURE II	3.0
ART 72 *	SCULPTURE III	3.0
ART 81 *	DRAWING II	3.0
ART 82 *	DRAWING III	3.0
ART 86 *	DRAWING FROM THE LIVE MODEL II	3.0
ART 87 *	DRAWING FROM THE LIVE MODEL III	3.0
ART 141	GRAPHIC RENDERING TECHNIQUES	3.0
OR		
GD 141	GRAPHIC RENDERING TECHNIQUES	3.0
ART 142	PACKAGE DESIGN	3.0
OR		
GD 142	PACKAGE DESIGN	3.0
ART 145	GRAPHIC ILLUSTRATION	3.0
OR		
GD 145	GRAPHIC ILLUSTRATION	3.0
ART 175 *	METAL CASTING	3.0
ART 171 *	METALSMITHING & JEWELRY I	3.0
ART 172 *	METALSMITHING & JEWELRY II	3.0
ART 173 *	METALSMITHING & JEWELRY III	3.0
ART 174 *	METALSMITHING & JEWELRY IV	3.0
PHOT 51 *	INTRODUCTION TO PHOTOSHOP AND DIGITAL IMAGING	3.0
PHOT 55 *	DIGITAL PHOTOGRAPHY II	3.0
PHOT 152 *	INTERMEDIATE PHOTOSHOP AND DIGITAL IMAGING	3.0
PHOT 153 *	ADVANCED PHOTOSHOP & DIGITAL IMAGING	3.0
PHOT 154 *	ALTERNATIVE DIGITAL PROCESSES	3.0
PHOT 156 *	DIGITAL PHOTOGRAPHY III	3.0
PHOT 157 *	STUDIO LIGHTING	3.0
PHOT 167 *	CREATIVE PHOTOGRAPHIC LIGHTING	3.0
PHOT 177 *	PORTRAITURE PHOTOGRAPHY	3.0
ARTH 100	ART GALLERY DISPLAY AND EXHIBITION	3.0
BUS 160	ENTREPRENEURSHIP	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 39.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

STUDIO ARTS - AA-T Degree

Summary

The Associate in Arts in Studio Arts for Transfer degree is designed for students who plan to earn a Bachelor of Arts in Art at a California State University institution. The core courses required in this program provide students with a foundation of knowledge to pursue advance study in a variety of programs including General Studio, Ceramics, Crafts, Drawing, Painting, Entertainment Art, Animation, Graphic Design, Illustration, Sculpture, Printmaking and other similar majors of concentration.

The Associate in Arts in Studio Arts for Transfer prepares students for transfer to a four-year university and guarantees admission to the CSU system, though it will not guarantee admission to a particular campus. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
    b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Develop a portfolio for transfer into studio arts programs in the UC system, the CSU system and private institutions.
- Demonstrate employment readiness in the field of art through experience in the studio arts, exhibition design and art history which develop life skills & critical thinking through the creative process of researching and interpreting valid information, formulating socially engaging content, utilizing divergent thinking and engaging in reflective and active analytical or evaluative thinking.
- Develop both soft and practical skills that translate into a higher level of qualification for employment in the areas of art education, museum studies, art exhibition & sales, public art, creative entrepreneurship, illustration, animation, graphic design, architecture, fashion, interior design.
- Synthesize the collaborative nature of Science, Technology, Engineering, Art & Mathematics by experiencing the tools and methods of design through creative problem solving and innovative design practices.

Requirements

Required Core: **Units:** 12.0

ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART 40	2-D FOUNDATIONS	3.0
ART 41 *	THREE-DIMENSIONAL DESIGN	3.0
ART 80	DRAWING I	3.0

List A: Select one course **Units:** 3.0

ARTH 22	SURVEY OF ASIAN ART (INDIA, CHINA, JAPAN, AND KOREA)	3.0
ARTH 23	AFRICAN, OCEANIC, AND ANCIENT NORTH AMERICAN ART	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0

List B: Select three courses from three areas below **Units:** 9.0

Drawing		
ART 81 *	DRAWING II	3.0
ART 85 *	DRAWING FROM THE LIVE MODEL I	3.0
ART 86 *	DRAWING FROM THE LIVE MODEL II	3.0
Painting		
ART 50 *	PAINTING - I	3.0
Printmaking		
ART 60 *	PRINTMAKING I	3.0
Ceramics		
ART 9 *	CERAMICS FUNDAMENTALS	3.0
ART 10 *	CERAMICS - HANDBUILDING I	3.0
ART 11 *	CERAMICS - WHEEL I	3.0
Sculpture		
ART 70	SCULPTURE I	3.0
ART 71 *	SCULPTURE II	3.0
ART 72 *	SCULPTURE III	3.0
ART 175 *	METAL CASTING	3.0
Photography		
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0
Color		
ART 42 *	COLOR THEORY AND PRACTICE	3.0
Applied Design		
ART 171 *	METALSMITHING & JEWELRY I	3.0

Total: 24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SURFACE DESIGN - Certificate of Achievement

Summary

The Surface Design program covers the creative and technical aspects of surface design as it relates to creating repeat patterns and designs for products including textiles, home furnishings, wall coverings, floor coverings, decorative papers, greeting cards, and other surfaces. The program covers the process from initial research, design awareness, theme development and realization, to the various ways of printing and applying those designs to a

variety of surfaces and materials. Creative, technical, and practical processes and procedures will be covered. Students completing this program would be prepared for entry-level employment in the textile, home-goods, and paper-goods surface design industries as entry-level designers, illustrators, and/or print technicians.

Learning Outcome(s):

- Use fundamental design skills
- Select and use appropriate design software
- Select and use appropriate print methodologies and technology
- Demonstrate skills typically found in the surface design field

Requirements

Required Core: **Units:** 9.0

GC 208 *	SURFACE DESIGN I	3.0
GC 218 *	SURFACE DESIGN II	3.0
GD 149	DIGITAL ILLUSTRATION	3.0

Total: 9.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SURGICAL TECHNOLOGY - A.S. Degree

Summary

The Surgical Technology program is designed to train students to become Surgical Technologists working alongside surgeons in an operating room. Students learn to prepare the patient, operating room, and equipment for surgical procedures. Students learn in the classroom and lab as well as the clinical setting. Students are required to meet current clinical placement requirements. Career options include employment in hospitals or surgical centers. Please see the Surgical Technology program website for current admission standards and application process.

The Surgical Technology Program is seeking accreditation in 2025-2026 by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of The Accreditation Review Council on Education in Surgical Technology and Surgical Assisting. Commission on Accreditation of Allied Health Education Programs, 9355-113th St. N., #7709 Seminole, FL 33775, (727) 210-2350.

A program must have been CAAHEP accredited during your enrollment to be eligible to take the National Board of Surgical Technology and Surgical Assisting (NBSTSA) exam. For more information, visit the NBSTSA website: https://www.nbstsa.org/csfa-first-timeretake-applicants#scrollNav-0

Learning Outcome(s):

- Cognitive domain: Evaluate the scope of practice for the Surgical Technologist, incorporating ethical, legal, and professional principles.
- Cognitive domain: Demonstrate mastery and integration into practice concepts of basic sciences, aseptic technique, surgical technology skills, and a surgical conscience as established in the AST core curriculum.
- Cognitive domain: Test successfully for the national certification exam, administered by NBSTSA.
- Affective domain: Practice professionalism and facilitate a therapeutic holistic environment when interacting with patients, families, and members of the healthcare team.
- Affective domain: Display respect for the diversity of others including, but not limited to, sociocultural, socioeconomic, spiritual, and lifestyle choices.
- Affective domain: Adhere to a lifelong learning commitment and the need to improve their practice based on current evidence.
- Psychomotor domain: Reproduce HIPPA, OSHA, Standard Precautions, and other infection control measures required in the healthcare setting.
- Psychomotor domain: Illustrate the importance of adhering to regulations/measures as set forth by governing agencies.
- Psychomotor domain: Demonstrate practices that will ensure safe patient-centered care and anticipate the needs of the surgical team in the perioperative setting.

- Psychomotor domain: Operate within the workforce as qualified and technically skilled healthcare professional.

Requirements

Program Admission Prerequisites: **Units:** 10.0

HSC 104	MEDICAL TERMINOLOGY	3.0
BIO 13	HUMAN ANATOMY AND PHYSIOLOGY	4.0
COMM C1004	Interpersonal Communication	3.0

Required Core: **Units:** 30.0

BIO 45 *	BIOLOGY OF HUMAN DISEASE	3.0
SURG 210 *	SURGICAL TECHNOLOGY FUNDAMENTALS	3.0
SURG 210L *	SURGICAL TECHNOLOGY FUNDAMENTALS LAB	2.0
SURG 220 *	SURGICAL PROCEDURES	4.0
SURG 220L *	SURGICAL PROCEDURES LAB	2.5
SURG 230 *	ADVANCED SURGICAL PROCEDURES	4.0
SURG 230L *	ADVANCED SURGICAL PROCEDURES LAB	2.5
SURG 240 *	OPERATING ROOM CLINICAL PRACTICUM	4.5
SURG 250 *	OPERATING ROOM CLINICAL PRACTICUM II	4.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 40.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

SUSTAINABLE FASHION AND SOCIAL ENTREPRENEURSHIP - Occupational Skills Award

Summary

The Sustainable Fashion and Social Entrepreneurship Occupational Skills Award prepares students with basic skills necessary to develop, design, source, and manufacture a socially and environmentally friendly line of clothing or accessories. Course work covers developing a line and designing for a cause, ethics of fashion, sourcing and manufacturing in an environmentally and socially responsible way as well as marketing the line. Students will complete an internship and tour eco-friendly fashion industry leaders' businesses.

After completion of the skills award students will be eligible for a position in the following areas: assistant fashion designer, assistant fashion designer of sustainable fashion, product developer for sustainable fashion, sourcing and manufacturer for sustainable fashion.

Learning Outcome(s):

- Produce a professional portfolio showcasing sustainable sourcing and construction skills.
- Develop an environmentally conscious apparel or accessory line from concept to creation.

- Create a sustainable manufacturing plan complete with sourcing for product, specification sheets, and cost analysis.
- Explore environmental and social impact, current and traditional manufacturing processes in fashion and textiles, and identify alternative solutions for sustainability.
- Successfully complete an environmentally and socially responsible industry internship in fashion.

Requirements

Required Core: **Units:** 13.0

FASH 31	TEXTILES	3.0
Select one		3.0
FASH 136 *	APPAREL DESIGN	3.0
OR		
FASH 251 *	DESIGNING FOR A CAUSE AND SUSTAINABLE FASHION	3.0
FASH 240	DYE PROCESSES ON FABRICS	3.0
Select both		3.0
FASH 145 *	INTERNSHIP	1.0
AND		
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
Select one		1.0
FASH 207	ECO-FRIENDLY FASHION TOUR	1.0
OR		
FASH 254	FASHION IN SOUTHERN CALIFORNIA	1.0

Total: 13.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

SUSTAINABLE FOOD SYSTEMS - Certificate of Achievement

Summary

Achieving a healthy and sustainable food future is an urgent matter that depends on collaborative efforts among scientists, policy makers, nutritionists, farmers and environmentalists. The Sustainable Food Systems certificate will train students to relate food intake and dietary patterns to their environmental impact, both on individual and population levels. Students will critically assess and apply research on sustainable food systems to optimal dietary patterns and will learn to quantify resource use and manage waste for food production and consumption. Students will learn how to plan and develop sustainable diets—diets with low environmental impact that contribute to food and nutrition security and to healthy life for present and future generations.

The certificate will prepare students for a variety of entry-level employment opportunities in governmental programs, school districts, restaurants and food establishments, the public health arena and nutritional and agricultural settings. The certificate can also be used to help those already in the field of nutrition further specialize their knowledge and experience.

Learning Outcome(s):

- Identify and describe the factors that contribute to the sustainability of meals and diets.
- Determine how the sustainability of different dietary patterns could be improved without compromising nutritional health.
- Assess and apply credible research on sustainable food systems to optimal dietary patterns, quantifying resource use and minimizing waste in food systems.

Requirements

Required Core: **Units:** 12.0-14.0

NUTR 50	FUNDAMENTALS OF NUTRITION	3.0
NUTR 206	SUSTAINABLE NUTRITION AND FOOD SYSTEMS	3.0
CUL 171 ⁂	SANITATION AND SAFETY	0.0-2.0
CUL 120 *	INTRODUCTION TO FOOD SYSTEMS	3.0
HORT 110	INTRODUCTION TO URBAN FARMING	3.0

Total: 12.0-14.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
⁂ Students with valid California ServSafe Certification may have this core requirement waived.

SUSTAINABLE HORTICULTURE - A.S. Degree

Summary

Sustainability is a key component of the Horticulture Program. Sustainable horticulture is among several fields of study that are uniquely poised to capture opportunities presented by the expanding Green Industry and an increasing awareness of the need to preserve and protect limited resources. The Sustainable Horticulture Associate of Science degree program is based on horticultural science and technology, and prepares students for careers such as community, residential, and urban farm planning and design, organic grower, arborist, nursery management, nursery sales, nursery support, pest control adviser, and creation of gardens for human well-being and therapy. Careers also include opportunities related to the production and care of ornamental herbaceous plants, trees, shrubs, fruits, nuts, and vegetables commonly used in landscape design, urban farming, therapeutic and wellness gardens, and plant nurseries. Students may pursue being a certified arborist by the State of California.

Learning Outcome(s):

- Grow and maintain ornamental plant materials, based on principles of sustainable propagation.
- Identify native plant materials, especially, those well adapted to local conditions including herbaceous ground covers, trees, shrubs, and California natives.
- Identify plants contributing to local ecologies and habitats.

Requirements

Required Core: **Units:** 19.0

HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 11	PLANT MATERIALS-EDIBLES	3.0
Select one		4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
HORT 112	PLANT PROPAGATION	3.0
HORT 113	SOILS AND FERTILIZERS	3.0
HORT 120	INTEGRATED PEST MANAGEMENT	3.0

Restricted Electives: Choose one course from each group **Units:** 4.0-6.0

Group 1: Choose one of the following		2.0-3.0
HORT 110	INTRODUCTION TO URBAN FARMING	3.0
HORT 138	THE SUSTAINABLE LANDSCAPE	3.0
HORT 166	NATIVE PLANTS IN THE URBAN LANDSCAPE	2.0

Group 2: Choose one of the following		2.0-3.0
HORT 111	INTRODUCTION TO PERMACULTURE	2.0
HORT 140	BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE	3.0
HORT 180WE †	HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE	2.0
HORT 238	INTRODUCTION TO WELLNESS GARDENING	3.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements

Total units does not include all units required for the degree.

Total: 23.0-25.0

† HORT 180WE should be taken after completing at least 9 units of the Sustainable Horticulture program.

SUSTAINABLE HORTICULTURE - Certificate of Achievement

Summary

Sustainability is a key component of the Horticulture Program. Sustainable horticulture is among several fields of study that are uniquely poised to capture opportunities presented by the expanding Green Industry and an increasing awareness of the need to preserve and protect limited resources. The Sustainable Horticulture Certificate of Achievement program is based on horticultural science and technology, and prepares students for careers such as community, residential, and urban farm planning and design, organic grower, arborist, nursery management, nursery sales, nursery support, pest control adviser, and creation of gardens for human well-being and therapy. Careers also include opportunities related to the production and care of ornamental herbaceous plants, trees, shrubs, fruits, nuts, and vegetables commonly used in landscape design, urban farming, therapeutic and wellness gardens, and plant nurseries. Students may pursue being a certified arborist by the State of California.

Learning Outcome(s):

- Grow and maintain ornamental plant materials, based on principles of sustainable propagation.
- Identify native plant materials, especially, those well adapted to local conditions including herbaceous ground covers, trees, shrubs, and California natives.
- Identify plants contributing to local ecologies and habitats.

Requirements

Required Core: **Units:** 19.0

HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 11	PLANT MATERIALS-EDIBLES	3.0
Select one		4.0
HORT 20	INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
OR		
HORT 20H	HONORS INTRODUCTION TO HORTICULTURAL SCIENCE	4.0
HORT 112	PLANT PROPAGATION	3.0

HORT 113	SOILS AND FERTILIZERS	3.0
HORT 120	INTEGRATED PEST MANAGEMENT	3.0

Restricted Electives: Choose one course from each group **Units:** 4.0-6.0

Group 1: Choose one of the following		2.0-3.0
HORT 110	INTRODUCTION TO URBAN FARMING	3.0
HORT 138	THE SUSTAINABLE LANDSCAPE	3.0
HORT 166	NATIVE PLANTS IN THE URBAN LANDSCAPE	2.0

Group 2: Choose one of the following		2.0-3.0
HORT 111	INTRODUCTION TO PERMACULTURE	2.0
HORT 140	BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE	3.0
HORT 180WE †	HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE	2.0
HORT 238	INTRODUCTION TO WELLNESS GARDENING	3.0

Total: 23.0-25.0

† HORT 180WE should be taken after completing at least 9 units of the Sustainable Horticulture program.

SUSTAINABLE LANDSCAPE DESIGN - A.S. Degree

Summary

Students who complete this program will gain fundamental skills in landscape design elements, process and techniques, that are aesthetic, functional, and sustainable, and that contribute to the local ecology. Students will have opportunities to apply their understanding of sustainable horticultural aspects to the development and management of landscape design projects to promote green living environments. Graduates with these skills can gain entry-level employment in jobs such as landscape planning, design, construction, maintenance, and management of environmental systems and landscape design. Students may pursue the C27 Landscape Contractor Licensure for landscape design-built profession.

Learning Outcome(s):

- Demonstrate fundamental knowledge and skills in landscape design elements, process and techniques, that are aesthetic, that are functional, and that contribute to the local ecology with sustainability.
- Apply their understanding of sustainable horticultural aspects to the development of landscape design to promote green living environments.
- Demonstrate landscape construction and maintenance knowledge and skills based on principles of sustainability.
- Use a variety of computer applications relevant to landscape design, construction, maintenance, and sustainable horticulture.

Requirements

Required Core: **Units:** 21.0

HORT 7	INTRODUCTION TO LANDSCAPE DESIGN	3.0
HORT 106	LANDSCAPE CAD-FUNDAMENTALS	3.0
HORT 109	INTRODUCTION TO PLANTING DESIGN	3.0
HORT 15	HISTORY OF LANDSCAPE DESIGN	3.0
HORT 116	IRRIGATION DESIGN FUNDAMENTALS	3.0
HORT 130	HARDSCAPE AND CONSTRUCTION MATERIALS FUNDAMENTALS	3.0
HORT 138	THE SUSTAINABLE LANDSCAPE	3.0

Restricted Electives: Choose one course from each group **Units:** 2.0-6.0

Group 1: Choose one of the following		1.0-3.0
HORT 139	CONTEMPORARY LANDSCAPE DESIGN TRENDS	3.0
HORT 140	BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE	3.0
HORT 142	INTRODUCTION TO DESIGN TECHNOLOGY	1.0
HORT 145A	LANDSCAPE DESIGN-NATIVE GARDEN	2.0
HORT 145B	LANDSCAPE DESIGN-EDIBLE GARDEN	2.0
HORT 145C	LANDSCAPE DESIGN-WELLNESS GARDEN	2.0
HORT 238	INTRODUCTION TO WELLNESS GARDENING	3.0

Group 2: Choose one of the following		1.0-3.0
HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 146	LANDSCAPE DESIGN PORTFOLIO DEVELOPMENT	1.0
HORT 239	FENG SHUI AND WELL BEING	2.0
HORT 180WE †	HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 23.0-27.0

† HORT 180WE should be taken after completing at least 9 units of the Sustainable Landscape Design program.

SUSTAINABLE LANDSCAPE DESIGN - Certificate of Achievement

Summary

Students who complete this program will gain fundamental skills in landscape design elements, process and techniques, that are aesthetic, functional, and sustainable, and that contribute to the local ecology. Students will have opportunities to apply their understanding of sustainable horticultural aspects to the development and management of landscape design projects to promote green living environments. Graduates with these skills can gain entry-level employment in jobs such as landscape planning, design, construction, maintenance, and management of environmental systems and landscape design. Students may pursue the C27 Landscape Contractor Licensure for landscape design-built profession.

Learning Outcome(s):

- Demonstrate fundamental knowledge and skills in landscape design elements, process and techniques, that are aesthetic, that are functional, and that contribute to the local ecology with sustainability.
- Apply their understanding of sustainable horticultural aspects to the development of landscape design to promote green living environments.
- Demonstrate landscape construction and maintenance knowledge and skills based on principles of sustainability.
- Use a variety of computer applications relevant to landscape design, construction, maintenance, and sustainable horticulture.

Requirements

Required Core: **Units:** 21.0

HORT 7	INTRODUCTION TO LANDSCAPE DESIGN	3.0
HORT 106	LANDSCAPE CAD-FUNDAMENTALS	3.0
HORT 109	INTRODUCTION TO PLANTING DESIGN	3.0
HORT 15	HISTORY OF LANDSCAPE DESIGN	3.0
HORT 116	IRRIGATION DESIGN FUNDAMENTALS	3.0
HORT 130	HARDSCAPE AND CONSTRUCTION MATERIALS FUNDAMENTALS	3.0
HORT 138	THE SUSTAINABLE LANDSCAPE	3.0

Restricted Electives: Choose one course from each group **Units:** 2.0-6.0

Group 1: Choose one of the following		1.0-3.0
HORT 139	CONTEMPORARY LANDSCAPE DESIGN TRENDS	3.0
HORT 140	BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE	3.0
HORT 142	INTRODUCTION TO DESIGN TECHNOLOGY	1.0
HORT 145A	LANDSCAPE DESIGN-NATIVE GARDEN	2.0
HORT 145B	LANDSCAPE DESIGN-EDIBLE GARDEN	2.0
HORT 145C	LANDSCAPE DESIGN-WELLNESS GARDEN	2.0
HORT 238	INTRODUCTION TO WELLNESS GARDENING	3.0

Group 2: Choose one of the following		1.0-3.0
HORT 10	PLANT MATERIALS-ORNAMENTAL	3.0
HORT 146	LANDSCAPE DESIGN PORTFOLIO DEVELOPMENT	1.0
HORT 239	FENG SHUI AND WELL BEING	2.0
HORT 180WE †	HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE	2.0

Total: 23.0-27.0

† HORT 180WE should be taken after completing at least 9 units of the Sustainable Landscape Design program.

THEATRE ARTS - AA-T Degree

Summary

The Associate in Arts in Theatre Arts for Transfer degree will provide students with a broad introduction to making theatre. This degree is designed for students with an interest in pursuing theatre as a profession who have not yet decided where to specialize. As such, students will receive a broad overview of the many aspects of theatre, including performance, design, theatre history, lighting, costumes, and stagecraft. Students who complete the Associate in Arts in Theatre Arts for transfer degree receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Associate Degree for Transfer 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 California General Education Transfer Curriculum (Cal-GETC).
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P" Pass) or better in all courses required for the major or area of emphasis.

Learning Outcome(s):

- Recognize standard practices of ensemble playing in a rehearsal/performance environment.
- Compare and analyze the theories and techniques of acting from a historical perspective.

- Analyze texts and scripts as they pertain to performance.
- Demonstrate skill for technical aspects of acting, including physical, vocal, imaginative, analytical and emotional elements.
- Compare and contrast theatrical periods and styles in terms of acting, directing, playwriting, and technical elements.
- 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.

Requirements

Required Core: **Units:** 9.0

TA 20	THEATRE APPRECIATION	3.0
TA 1	FUNDAMENTALS OF ACTING	3.0
Complete 3 units in *Rehearsal and Performance Production* OR *Technical Theatre in Production*		3.0
Rehearsal and Performance Production		
TA 15 *	REHEARSAL AND PERFORMANCE - DRAMA	3.0
TA 16 *	REHEARSAL AND PERFORMANCE - COMEDY	3.0
TA 17 *	REHEARSAL AND PERFORMANCE - MIXED GENRES	3.0
TA 19 *	REHEARSAL AND PERFORMANCE - MUSICAL THEATRE	3.0
TA 113 *	REHEARSAL AND PERFORMANCE - CHILDREN'S THEATRE	3.0
OR		
Technical Theatre in Production		
Select ETT 24		
ETT 24	STAGE MANAGEMENT	3.0
OR		
Select both ETT 100 and ETT 142		
ETT 100 *	APPLIED TECHNICAL THEATRE PRODUCTION	2.0
AND		
ETT 142	THEATRE PRODUCTION	1.0

List A: Select three to four courses (9 units) **Units:** 9.0

TA 2 *	SCENE STUDY I	3.0
ETT 101 *	FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE	3.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0
TA 43	STAGE MAKE-UP	3.0
ETT 40	STAGECRAFT	3.0
TA 15 * •	REHEARSAL AND PERFORMANCE - DRAMA	3.0
TA 16 * •	REHEARSAL AND PERFORMANCE - COMEDY	3.0
TA 17 * •	REHEARSAL AND PERFORMANCE - MIXED GENRES	3.0
TA 19 * •	REHEARSAL AND PERFORMANCE - MUSICAL THEATRE	3.0
TA 113 * •	REHEARSAL AND PERFORMANCE - CHILDREN'S THEATRE	3.0
ETT 24 •	STAGE MANAGEMENT	3.0
Select both		3.0
ETT 100 * •	APPLIED TECHNICAL THEATRE PRODUCTION	2.0
AND		

ETT 142 •	THEATRE PRODUCTION	1.0

Total: 18.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
• A maximum of three units may be taken from TA 15, 16, 17, 19, 113, ETT 24, ETT 100, and ETT 142 to be counted toward List A requirements. Courses taken to fulfill core requirement for *Rehearsal and Performance Production* or *Technical Theatre in Production* may not be taken again to meet List A requirements.

THEATRE ARTS ENTERTAINMENT AND THEATRE TECHNOLOGY - Certificate of Achievement

Summary

The Saddleback College Department of Theatre Arts' Entertainment and Theatre Technology Certificate of Achievement program provides students with a career preparation for entry-level positions in the professional entertainment industry. This comprehensive and intensive program offers students the opportunity to explore fundamentals of a wide variety of practical career opportunities in the entertainment industry including Theatre Technician, Theatrical Stage Employee, Moving Picture Technician, Theatre Artist and its Allied Crafts. Technical theatre students participate in the hands-on experience of creating all of the technical elements of Department of Theatre Arts' productions as well as other live events on the Saddleback College campus.

Learning Outcome(s):

- Demonstrate preparation for entry level positions in the professional entertainment industry.
- Demonstrate technical skills in a wide variety of applications related to theatrical production.
- Demonstrate competence in the production of live events

Requirements

Required Core: **Units:** 23.0

ETT 40	STAGECRAFT	3.0
ETT 100 *	APPLIED TECHNICAL THEATRE PRODUCTION	2.0
The following course must be taken twice for a total of two units:		2.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 101 *	FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE	3.0
TA 1	FUNDAMENTALS OF ACTING	3.0
ETT 240 *	ADVANCED STAGECRAFT	3.0
TA 20	THEATRE APPRECIATION	3.0
ETT 180WE *	ENTERTAINMENT AND THEATRE TECHNOLOGY WORK EXPERIENCE	2.0
ETT 144	THEATRE SCENERY PAINTING	2.0

Restricted Electives: Select one course from each group **Units:** 5.0-6.0

Group 1: Appreciation and History		3.0
ARTH 20	ART APPRECIATION	3.0
CTVR 3	THE HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
OR		
CTVR 3H	HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA	3.0
DANC 64	HISTORY OF DANCE	3.0
MUS 20	MUSIC APPRECIATION	3.0

MUS 27	HISTORY OF JAZZ	3.0
MUS 28	HISTORY OF ROCK	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0

Group 2: Industry Skills		2.0-3.0
ETT 24	STAGE MANAGEMENT	3.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0
ETT 242 *	STYLES OF PAINT FOR THE ENTERTAINMENT INDUSTRY	3.0
ETT 244 *	ADVANCED SCENERY PAINTING	3.0
MUS 118	DIGITAL MULTI-TRACK MUSIC RECORDING	2.5
MUS 130	MUSIC PRODUCTION I	2.5
MUS 132	INTRODUCTION TO MUSIC TECHNOLOGY	2.0
TA 43	STAGE MAKE-UP	3.0

Total: 28.0-29.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

THEATRE ARTS PERFORMANCE AND ACTING - A.A. Degree

Summary

The Theatre Arts Performance and Acting Associate of Arts Degree program is designed to provide the student the opportunity to obtain professional training and achieve an Associate Degree in Theatre Arts. With this degree, a student can transfer to an institution of higher learning which offers a BA or BFA in Drama Studies, Theatre Arts, Theatre Education and other related Liberal Arts degrees. Students should consult the transfer institutions for concentration specific requirements. A Baccalaureate Degree in Theatre Arts or higher is recommended for those considering a professional career in Performance and Acting. An Associate of Arts degree would demonstrate commitment to the major for those transferring to other institutes of higher learning and may support attempts to gain employment in performance, acting, or voice over work.

Learning Outcome(s):

- Recognize standard practices of ensemble playing in a rehearsal/performance environment.
- Compare and analyze the theories and techniques of acting from a historical perspective.
- Analyze texts and scripts as they pertain to performance.
- Demonstrate skill for technical aspects of acting, including physical, vocal, imaginative, analytical and emotional elements.
- Compare and contrast theatrical periods and styles in terms of acting, directing, playwriting, and technical elements.
- 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.

Requirements

Required Core: **Units:** 18.0

ETT 40	STAGECRAFT	3.0
TA 1	FUNDAMENTALS OF ACTING	3.0
TA 2 *	SCENE STUDY I	3.0
TA 3 *	SCENE STUDY II	3.0
TA 11	STAGE MOVEMENT	3.0

TA 35	VOICE AND DICTION	3.0

Restricted Electives: **Units:** 8.0-9.0

Group 1: Rehearsal, Performance, and Production (select 2-3 units)		2.0-3.0
If ETT 142 is selected, course needs to be taken two times		2.0
ETT 142	THEATRE PRODUCTION	1.0
AND		
ETT 142	THEATRE PRODUCTION	1.0
TA 15 *	REHEARSAL AND PERFORMANCE - DRAMA	3.0
TA 16 *	REHEARSAL AND PERFORMANCE - COMEDY	3.0
TA 17 *	REHEARSAL AND PERFORMANCE - MIXED GENRES	3.0
TA 19 *	REHEARSAL AND PERFORMANCE - MUSICAL THEATRE	3.0
TA 108	AUDITION TECHNIQUES	3.0
TA 113 *	REHEARSAL AND PERFORMANCE - CHILDREN'S THEATRE	3.0
Group 2: Appreciation and History (select one course)		3.0
TA 20	THEATRE APPRECIATION	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0
Group 3: Theatre Electives (select one course)		3.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0
ETT 101 *	FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE	3.0
TA 4 *	ACTING STYLES I	3.0
TA 10	MUSICAL THEATRE TECHNIQUES	3.0
TA 12 *	DIRECTING	3.0
TA 43	STAGE MAKE-UP	3.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 26.0-27.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

THEATRE ARTS TECHNICAL THEATRE - A.A. Degree

Summary

The Theatre Arts Technical Theatre Associate of Arts degree program is designed to provide the student the opportunity to obtain professional training and achieve an Associate Degree in Technical Theatre. With this degree, a student can transfer to an institution of higher learning which offers a BA in Drama Studies, Theatre Arts, Theatre Education, Technical Theatre and other related Liberal Arts degrees. A Baccalaureate Degree in Theatre Arts or higher is recommended for those considering a professional career in the entertainment industry or theatre. An Associate

Degree would demonstrate commitment to the major for those transferring to other institutes of higher learning and may support attempts to gain entry-level employment as a Theatre Technician, Theatrical Stage Employee, Moving Picture Technician, Entertainment Artist, or in Allied Crafts.

Learning Outcome(s):

- Demonstrate skills for entry level positions in the professional entertainment industry.
- Demonstrate the basic components of stagecraft.
- Demonstrate a variety of acting techniques.

Requirements

Required Core: **Units:** 13.0

ETT 40	STAGECRAFT	3.0
ETT 100 *	APPLIED TECHNICAL THEATRE PRODUCTION	2.0
The following course must be taken twice for a total of two units:		2.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 142	THEATRE PRODUCTION	1.0
ETT 101 *	FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE	3.0
TA 1	FUNDAMENTALS OF ACTING	3.0

Restricted Electives: Select one course from each group **Units:** 5.0-6.0

Group 1: Select one course		3.0
TA 20	THEATRE APPRECIATION	3.0
TA 22	MUSICAL THEATRE HISTORY AND APPRECIATION	3.0
Group 2: Select one course		2.0-3.0
TA 43	STAGE MAKE-UP	3.0
ETT 24	STAGE MANAGEMENT	3.0
ETT 41 *	LIGHTING DESIGN FUNDAMENTALS	3.0
ETT 42	COSTUME DESIGN	3.0
ETT 144	THEATRE SCENERY PAINTING	2.0

Associate of Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 18.0-19.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

TRAVEL AND TOURISM - A.S. Degree

Summary

The Travel and Tourism Associate of Science degree is designed to prepare students for careers in the travel agency industry. The program emphasizes the following: ticketing and reservations, major tourist areas and resorts, fares and routes, tour promotion, and planning including airline computing and cruise itineraries. The program covers all aspects of travel including air, cruise ships, rail, and car. Students completing this degree will be prepared for occupations as: Travel Counselors, Meeting Planners, In-house Travel Consultants, Reservation Sales Agents, and Ticket Agents.

Learning Outcome(s):

- Support their choice of cruise itineraries presented in a written form based on the standards of the industry, use a predetermined criteria checklist and compare cruise features and benefits, both tangible and intangible, as well as price, value and individual preference.
- Build a Passenger Name Record (PNR) in the airline computer training strand of the program.
- Identify geographic locations.

Requirements

Required Core: **Units:** 24.0

TOUR 250	INTRODUCTION TO THE EXCITING WORLD OF TRAVEL & TOURISM	3.0
TOUR 252	WORLD DESTINATIONS AND RESORTS--WESTERN HEMISPHERE	3.0
TOUR 253	WORLD DESTINATIONS-EUROPE	3.0
TOUR 254	WORLD DESTINATIONS-PACIFIC, ASIA, AFRICA, MIDDLE EAST	3.0
TOUR 255	SELLING DREAMS - THE TRAVEL INDUSTRY	3.0
TOUR 257	TOURS AND CRUISES	3.0
TOUR 259 *	AIRLINE COMPUTER TRAINING	2.0
TOUR 260 *	ADVANCED AIRLINE COMPUTER TRAINING	2.0
TOUR 180WE *	TRAVEL MANAGEMENT WORK EXPERIENCE	2.0

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

TRAVEL AND TOURISM - Certificate of Achievement

Summary

The Travel and Tourism Certificate of Achievement is designed to prepare students for careers in the travel agency industry. The program emphasizes the following: ticketing and reservations, major tourist areas and resorts, fares and routes, tour promotion, and planning including airline computing and cruise itineraries. The program covers all aspects of travel including air, cruise ships, rail, and car. Students completing this certificate will be prepared for occupations as: Travel Counselors, Meeting Planners, In-house Travel Consultants, Reservation Sales Agents, and Ticket Agents.

Learning Outcome(s):

- Support their choice of cruise itineraries presented in a written form based on the standards of the industry, use a predetermined criteria checklist and compare cruise features and benefits, both tangible and intangible, as well as price, value and individual preference.

- Build a Passenger Name Record (PNR) in the airline computer training strand of the program.
- Identify geographic locations.

Requirements

Required Core: **Units:** 24.0

TOUR 250	INTRODUCTION TO THE EXCITING WORLD OF TRAVEL & TOURISM	3.0
TOUR 252	WORLD DESTINATIONS AND RESORTS--WESTERN HEMISPHERE	3.0
TOUR 253	WORLD DESTINATIONS-EUROPE	3.0
TOUR 254	WORLD DESTINATIONS-PACIFIC, ASIA, AFRICA, MIDDLE EAST	3.0
TOUR 255	SELLING DREAMS - THE TRAVEL INDUSTRY	3.0
TOUR 257	TOURS AND CRUISES	3.0
TOUR 259 *	AIRLINE COMPUTER TRAINING	2.0
TOUR 260 *	ADVANCED AIRLINE COMPUTER TRAINING	2.0
TOUR 180WE *	TRAVEL MANAGEMENT WORK EXPERIENCE	2.0

Total: 24.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

URBAN FARMING - Certificate of Achievement

Summary

Sustainability is a key component of our Urban Farming Certificate of Achievement program. Thriving, localized food economies benefit the health of the people, the planet, and the communities surrounding them. Sustainable urban farming is among several fields of study that are uniquely poised to capture opportunities presented by an increasing awareness of the need to preserve and protect limited resources. The goals of the Urban Farming Certificate of Achievement program are to provide enhanced opportunities for those striving to acquire knowledge of sustainable farming practices in an urban environment, based on the principles of sustainability. We seek also to support quality technical instruction, career and skill enhancement as well as lifelong learning for members of the community.

Our program prepares students for careers such as director of community sourced agriculture (CSA), public market manager, urban farmer, grower, farm educational adviser, garden designer, horticultural consultant, supervisor of landscaping, and food systems production and distribution. Careers also include opportunities in the production and care of fruits, nuts, and vegetables commonly used in landscape design, urban farming, wellness gardens, and plant nurseries.

Through our program students will be able to achieve occupational competencies such as strong leadership, communication skills, planning and managerial expertise, and knowledge-based consultation.

Learning Outcome(s):

- Grow, harvest, and distribute organic vegetables and fruits, based on principles of sustainable propagation.
- Demonstrate a range of technical farming skills (e.g., composting, trellising, cover cropping, post-harvest handling).
- Identify strategies for being sustainable with organic edibles and physical and mental well-being.

Requirements

Required Core: **Units:** 13.0

HORT 110	INTRODUCTION TO URBAN FARMING	3.0
HORT 111	INTRODUCTION TO PERMACULTURE	2.0
HORT 113	SOILS AND FERTILIZERS	3.0
HORT 120	INTEGRATED PEST MANAGEMENT	3.0
HORT 145B	LANDSCAPE DESIGN-EDIBLE GARDEN	2.0

Total: 13.0

VISUAL DISPLAY AND PRESENTATION - Certificate of Achievement

Summary

The Visual Display and Presentation Certificate of Achievement will provide the student with a comprehensive academic foundation to pursue multiple visual display careers within the field of merchandising and marketing. Students will have opportunities to develop skills in Adobe Illustrator, fashion retailing on-line, store planning and layout, retail and event marketing, 3-dimensional window display and storytelling, knowledge of materials and tools, and computer aided design. Students that complete this certificate will be prepared for entry-level positions in brick and mortar retail and/or e-commerce, trade show design, home fashions, styling, party design and set and stage design for fashion shows and events. This certificate is designed for the student looking to obtain the necessary skills for immediate entry into the workforce. Occupations such as: retail merchandising field specialist, visual merchandiser, visual designer, merchandising coordinator, visual associate, and freelance visual merchandiser. An internship within visual display is also required and often leads to employment opportunities upon completion. This certificate provides the foundation for advanced certificates in Fashion Merchandising and/or Fashion Design.

Learning Outcome(s):

- Produce a professional portfolio showcasing their visual display and presentation skills.
- Complete an industry internship including the completion of three individual goals and objectives as determined by themselves and an industry supervisor.
- Demonstrate and understand skills needed to create and construct 3-dimensional window displays and/or 3-dimensional visual stage sets showcasing continuity of theme, layout, signage, merchandise, and lighting presentation.

Requirements

Required Core: **Units:** 21.0-21.5

Select one		3.0
FASH 140	FASHION IMAGE	3.0
OR		
FASH 143	FASHION BUYING AND MERCHANDISING	3.0
FASH 147	SPECIAL EVENTS COORDINATION AND PROMOTION	3.0
FASH 148	VISUAL MERCHANDISING	3.0
Select one		3.0
FASH 150	FASHION APPAREL AND PROFESSIONAL TECHNIQUES	3.0
OR		
FASH 154	FASHION ILLUSTRATION	3.0
Select both		3.0
FASH 180WE * †	FASHION WORK EXPERIENCE	2.0
AND		
FASH 145 *	INTERNSHIP	1.0
Select one		1.0-1.5
FASH 225	APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP	1.0
OR		
FASH 250	FASHION TREND FORECASTING	1.5
FASH 155 *	THE DIGITAL FASHION IMAGE	2.0
ID 114	APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN	3.0

Restricted Electives: Select one course **Units:** 3.0

ARTH 100	ART GALLERY DISPLAY AND EXHIBITION	3.0
ID 115 *	CAD FOR INTERIOR DESIGN	3.0
PHOT 50	DIGITAL PHOTOGRAPHY I	3.0

Total: 24.0-24.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
† Recommended to be taken in last semester of program.

VOCAL STUDIES - Certificate of Achievement

Summary

The completion of this Certificate of Achievement in Vocal Studies prepares students for audition and transfer into a Bachelors of Arts in Music degree in Vocal Studies. This program is part of a group of stackable certificates in specialty areas that are built upon the Basic Music Skills Certificate of Achievement. The certificate includes basic skills in Music Theory and Musicianship. The certificate also emphasizes the skills necessary to pass a performance audition to a four-year music program, including the ability to perform a variety of vocal music styles. There is an audition requirement for MUS 50, MUS 32, MUS 33, MUS 34, and MUS 35. During the auditions, students are expected to demonstrate college-level performance skills, which include phrasing, intonation, tone, reading, and musical interpretation of vocal music genres. Students cannot complete the program without passing these auditions. This certificate also fulfills a portion of the requirements for the Music AA and ADT. Transfer students should consult their transfer institutions of choice for further information on specific lower-division Music major requirements.

Learning Outcome(s):

- Complete voice leading exercises and Roman Numeral Analysis of simple chord progressions
- Distinguish between classical forms, including Theme and Variations, Rondo, and Sonata
- Take harmonic dictation of chord progressions, melodies, and rhythms
- Accurately sing melodies, solfege, and rhythms
- Perform solo and ensemble vocal repertoire with appropriate technique, phrasing, intonation, and interpretation
- Perform within an ensemble using appropriate technique, phrasing, intonation and section balance
- Identify the distinctions between historically important composers for the voice

Requirements

Required Core: **Units:** 13.0

MUS 10 *	HARMONY I	3.0
MUS 11 *	HARMONY II	3.0
MUS 92 *	MUSICIANSHIP I	1.0
MUS 93 *	MUSICIANSHIP II	1.0
The following course must be taken twice for a total of two units:		2.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 50 * ^	APPLIED MUSIC	1.0
MUS 81 *	INTERMEDIATE VOICE	1.5
MUS 82 *	VOCAL REPERTOIRE AND PERFORMANCE PROCEDURES	1.5

Required Ensembles: Complete two semesters from the following **Units:** 4.0

MUS 32 *	SINGING SOCIETY	2.0
MUS 33 *	MASTERWORKS CHORALE	2.0
MUS 34 *	EARLY MUSIC ENSEMBLE	2.0
MUS 35 *	CONTEMPORARY CHOIR	2.0

Total: 17.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

^ Students must complete 2 semesters of Applied Music to earn the certificate.

WATER RESOURCES AND CONSERVATION - Certificate of Achievement

Summary

Water Resources and Conservation provides students with an integrated background and critical knowledge of water resources and conservation issues. Students will gain skills and practical application of those skills to design, implement and evaluate water conservation programs that address current and future water issues at a local, national, and global level. The program combines classroom, laboratory, and field study instruction providing students with a well-rounded preparation in the water resources and conservation field. The goal of the program is to train and prepare students for a career in the water field as water efficiency/conservation technicians, coordinators, or specialists, or as water resources specialists and technicians. The program will also prepare students for water conservation certification examinations administered by professional associations within the water industry.

Learning Outcome(s):

- Design, implement, evaluate and market water conservation programs to a broad audience.
- Evaluate water usage patterns for rural, urban, residential, and commercial sites; recommend water efficiency measures as well as alternate water sources.
- Understand water distribution, flow, and elimination systems; basic hydraulics; quality issues; balance and time of use.
- Understand the many stressors to water accessibility and how they interact to affect supply and demand along with other issues.
- Monitor, collect, interpret and analyze data to evaluate effectiveness of programs and modify them over time.
- Calculate water and cost savings and produce comprehensive cost/benefit analysis reports.
- Develop basic knowledge of water resource economics and how economics relates to supply and demand.

Requirements

Required Core: **Units:** 23.0

Select one		3.0
ENV 1	INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
OR		
ENV 1H	HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES	3.0
ENV 6 *	SCARCITY AND ENVIRONMENT	3.0
ENV 38	WATER QUALITY AND MONITORING	3.0
ENV 40	ENVIRONMENTAL LAW AND POLICY	3.0
ENV 105 *	ENVIRONMENTAL STUDIES INTERNSHIP	2.0
ENV 123	WATER AND SOIL CONSERVATION	3.0
ENV 141	WATER RESOURCES AND MANAGEMENT	4.0
ENV 180WE	ENVIRONMENTAL MONITORING AND ASSESSMENT WORK EXPERIENCE	2.0

Total: 23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

WEB DESIGNER - A.S. Degree

Summary

This degree allows students to create websites for businesses, organizations, and individuals. The degree provides comprehensive client-side web design by providing training in Adobe Creative Cloud, the industrial standard for web design. The degree also covers all three client-side technologies: HTML, CSS, and JavaScript. These three technologies are the worldwide standards for all web page design and display. HTML is the markup language of the web. CSS is the web presentation language. JavaScript is the web behavior language. The degree’s restricted electives allow a student

to pursue traditional college programming languages, database, PHP the most popular server-side Web scripting or WordPress. The Web Designer degree provides the student with skills to gain employment as an entry-level Web Designer.

Learning Outcome(s):

- Demonstrate key skills for employment as a Web Designer.
- Demonstrate comprehensive, broad range introductory computer competencies targeting a diverse and multicultural workforce.
- Describe components of a web page.

Requirements

Required Core: **Units:** 15.0

CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 115	INTRO CREATING WEB PAGES DREAMWEAVER AND WORD PRESS	3.0
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: **Units:** 6.0-8.0

CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMP 115	BUSINESS PROGRAMMING--C#	3.5
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 207	SOCIAL MEDIA & WEB FUNDAMENTALS	1.5
CIMW 241	INTRODUCTION TO CONTENT MANAGEMENT SYSTEMS (CMS)-WORDPRESS	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0-23.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken.

WEB DESIGNER - Certificate of Achievement

Summary

This certificate prepares the student to develop a web presence for businesses, organizations, and individuals in communication, marketing, and data management through the development of a website. Students will learn how to reach an audience and communicate ideas. The program includes basic and advanced software skills, developing a mission, goals, and the promotion and maintenance of a website.

Learning Outcome(s):

- Demonstrate key skills for employment as a Web Designer.
- Demonstrate comprehensive, broad range introductory computer competencies targeting a diverse and multicultural workforce.
- Complete technically current and challenging ongoing education.
- Apply skills in a broad range of media appropriate for a diverse population of technical students.
- Use job skills in technical professional business environments through internships and capstone projects.

Requirements

Required Core: **Units:** 12.0

CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 115	INTRO CREATING WEB PAGES DREAMWEAVER AND WORD PRESS	3.0
CIMW 134	WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING	3.0
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: **Units:** 5.0-6.5

CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMW 100B *	WEB SITE DEVELOPMENT - HTML--ADVANCED	1.5
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Total: 17.0-18.5

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken.

WEBMASTER - A.S. Degree

Summary

The Webmaster program prepares the student to build websites and maintain a web server. The degree covers server-level aspects of web construction so one can efficiently run a business, government, or individual website. Topics include networking, operating system, web development, and database. The flexible restricted electives allow a student to further specialize in either operating system administration, web design, programming, or networking/ security. With this Saddleback degree, students can achieve two or more industry-coveted CompTIA certificates.

Learning Outcome(s):

- Demonstrate key skills for employment in the area of the webmaster.
- Demonstrate a comprehensive, broad range of computer competencies targeting a diverse and multicultural workforce.
- Demonstrate knowledge of the web, networking, database, and operating system terminology.

Requirements

Required Core: **Units:** 12.0

Select one	3.0

CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
OR		
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: Complete 9-10 units **Units:** 9.0-10.0

CIM 1	COMPUTER INFORMATION SYSTEMS	4.0
CIMA 105 *	MICROSOFT EXCEL FOR DATA ANALYTICS	3.0
CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 140 *	FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION	3.0
CIMN 220A	MCSE CERTIFICATION EXAM PREP I	3.0
CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMP 115	BUSINESS PROGRAMMING--C#	3.5
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Associate of Science Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate of Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the Cal-GETC pattern in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Total units does not include all units required for the degree.

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken.

WEBMASTER - Certificate of Achievement

Summary

The Webmaster program prepares the student to build websites and maintain a web server. The certificate covers server-level aspects of web construction so one can efficiently run a business, government, or individual website. Topics include networking, operating system, web development, and database. The flexible restricted electives allow a student to further specialize in either operating system administration, web design, programming, or networking/ security. With this Saddleback certificate, students can achieve two or more industry-coveted CompTIA certificates.

Learning Outcome(s):

- Demonstrate key skills for employment in the area of webmaster.
- Demonstrate a comprehensive, broad range of computer competencies targeting a diverse and multicultural workforce.
- Demonstrate knowledge of the web, networking, database, and operating system terminology.

Requirements

Required Core: **Units:** 12.0

Select one		3.0
CIMN 100	COMPUTER OPERATING SYSTEMS- WINDOWS	3.0
OR		
CIMN 130	COMPUTER OPERATING SYSTEMS - UNIX AND LINUX	3.0
CIMN 120	INTRODUCTION TO NETWORKING:COMPTIA NETWORK+	3.0
CIMW 100A *	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3.0
CIMW 280 ‡	WEB DESIGN - CAPSTONE PORTFOLIO PROJECT	1.5

Restricted Electives: Complete 9-10 units **Units:** 9.0-10.0

CIMN 110	NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY	3.0
CIMN 140 *	FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION	3.0
CIMN 220A	MCSE CERTIFICATION EXAM PREP I	3.0
CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3.0
CIMP 7B *	BUSINESS PROGRAMMING - JAVA--ADVANCED	3.0
CIMP 8A	PROGRAMMING WITH PYTHON	3.0
CIMP 115	BUSINESS PROGRAMMING--C#	3.5
CIMS 130	INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+	3.0
CIMW 140	CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)	3.0
CIMW 145	WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE	3.0
CIMW 160	WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3.0
CIMW 250	MICROSOFT ASP.NET--BEGINNING	3.5

Total: 21.0-22.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
‡ Final course to be taken.

WELLNESS GARDENING - Certificate of Achievement

Summary

Sustainability is a key component of our Wellness Gardening Certificate of Achievement program, which is based on horticultural science and technology. It prepares students for careers such as directors of wellness gardens, sustainable horticulture consultants, garden designers, and herbs, fruit, nut, vegetable, and ornamental plant propagation and maintenance commonly used in wellness gardens. Research supports the implementation of wellness gardens as a strategy to improve and promote human well-being for persons of all ages.

Opportunities to connect with nature in a thriving wellness garden benefit the mental and physical health of the people, the ecology, and the communities surrounding them.

Through our program students will be able to achieve occupational competencies such as strong leadership, communication skills, planning and managerial expertise, and knowledge-based consultation.

Learning Outcome(s):

- Provide consultation on the health benefits of wellness gardens.
- Design aesthetic landscape places that contribute to sound body, mind, and spirit of its human participants.
- Demonstrate an ability to craft policies promoting healthy garden and landscapes that are integral to an entities wellness program.

Requirements

Required Core: **Units:** 13.0

HORT 138	THE SUSTAINABLE LANDSCAPE	3.0
HORT 139	CONTEMPORARY LANDSCAPE DESIGN TRENDS	3.0
HORT 145C	LANDSCAPE DESIGN-WELLNESS GARDEN	2.0
HORT 238	INTRODUCTION TO WELLNESS GARDENING	3.0
HORT 239	FENG SHUI AND WELL BEING	2.0

Total: 13.0

WORKPLACE READINESS - Certificate of Achievement

Summary

The Workplace Readiness Certificate of Achievement equips students with essential soft skills and financial literacy for success in the workplace and beyond. Students learn to communicate effectively using appropriate tone, body language, attitude, and interpersonal skills, with an emphasis on teamwork and professional behavior. The program also focuses on building positive relationships with supervisors, colleagues, customers, and other stakeholders. Students will develop emotional intelligence, personal responsibility, time management, self-worth, and an understanding of workplace behavior. Additionally, the certificate includes practical financial literacy instruction, covering budgeting, managing credit and debt, investing, and retirement planning. JOBS: This certificate is related to and appropriate for jobs across industries and skill and experience levels. The knowledge, skills, and behaviors are especially needed for service-oriented occupations, such as customer service, health workers, or selling.

Learning Outcome(s):

- Use appropriate oral communications, including tone, body language, attitude, interpersonal skills, teamwork, and other factors.
- Build positive, appropriate relations with superiors, colleagues, customers, and other stakeholders.
- Apply basic financial principles to create a personal budget, manage credit and debt responsibly, and evaluate options for investing and retirement planning.

Requirements

Required Core: **Units:** 9.0-10.0

BUS 102	ORAL BUSINESS COMMUNICATIONS	3.0
BUS 125	HUMAN RELATIONS IN BUSINESS	3.0
BUS 196	WORKPLACE SUCCESS SKILLS	1.0
Select one		2.0-3.0
BUS 180WE	BUSINESS WORK EXPERIENCE	2.0
OR		
BUS 172	FINANCIAL LITERACY	3.0

Total: 9.0-10.0

YOGA INSTRUCTOR - Certificate of Achievement

Summary

The Yoga Instructor Certificate of Achievement is designed to deepen students' understanding of yoga by investigating the biomechanics of yoga postures, learning to use anatomical cueing for proper alignment in poses, examining effective teaching techniques for a variety of settings, and exploring the history and philosophy of yoga. Upon successful completion of the Yoga Instructor Certificate, students will be eligible to apply for their Yoga Alliance 200-hour instructor certification and will be prepared for employment as a trained yoga teacher in public and private settings. Yoga Alliance is the largest and most influential governing body in the yoga field, thus providing our Yoga Instructor students with a prestigious certification. A minimum grade of "C" in all courses is required to receive this award, and 10 additional hours of practice teaching hours and feedback forms are mandated for those students applying for the Yoga Alliance credential.

Learning Outcome(s):

- Explain and demonstrate basic skills of practicing Hatha yoga.
- Identify anatomical structures and explain the biomechanics of asanas.
- Demonstrate skills for instructing yoga, including developing sequences, verbal cueing, providing variations, modifications, and adjustments.
- Illustrate stress management techniques though use of pranayama and asanas.
- Describe the philosophy of yoga through history, the development of the asanas and major lineages of yoga.

Requirements

Required Core: **Units:** 9.0

KNES 60 *	ANATOMY AND FUNDAMENTALS OF YOGA	3.0
KNES 61 *	TEACHING OF YOGA	3.0
KNES 62	PHILOSOPHY OF YOGA	3.0

Restricted Electives: Select two courses **Units:** 2.0-3.0

KNES 28	BEGINNING YOGA	1.0-1.5
KNES 39 *	INTERMEDIATE YOGA	1.0-1.5
KNES 40 *	ADVANCED YOGA	1.0-1.5
DANC 28	YOGA FOR DANCERS	1.5

Total: 11.0-12.0

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

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- Certificate of Competency - Noncredit ESL and Adult Education
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ADULT EDUCATION BASIC TECHNOLOGY SKILLS - Certificate of Competency (Noncredit)

Adult Education English as a Second Language

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EMPLOYABILITY SKILLS - Certificate of Completion (Noncredit)

PRE-VOCATIONAL SKILLS - Certificate of Completion (Noncredit)

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Automotive Technology

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CERTIFIED NURSE ASSISTANT - Certificate of Completion (Noncredit)
HOME HEALTH AIDE - Certificate of Completion (Noncredit)

Nursing Continuing Education

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ACUTE CARE NURSING ASSISTANT - Certificate of Completion (Noncredit)

Summary

The Acute Care Nursing Assistant Certificate of Completion focuses on the application of principles of nursing assistant care necessary to meet the hygiene, comfort, and safety needs of patients in an acute care environment. Current CNA state certification is required or a recent graduate of the Saddleback College CNA program pending certification. The Acute Care Nursing Assistant Certificate prepares students to work safely as nursing assistants in acute care settings such as in hospitals, rehabilitation centers, clinics, or post-acute facilities.

Learning Outcome(s):

- Implement safe and competent patient care in an acute care facility.
- Demonstrate professional competencies including legal and ethical principles.
- Demonstrate techniques used to assist the healthcare team on a medical-surgical, telemetry or emergency room setting.
- Perform nursing assistant skills required in an acute care environment.
- Demonstrate effective and therapeutic communication skills in an acute care environment.
- Demonstrate safety concepts including body mechanics, environmental safety, and infection control in an acute care environment.

Requirements

Required Core: **Hours** 141.10

CNA 425NC *	ACUTE CARE NURSING ASSISTANT THEORY	49.80
CNA 426NC *	ACUTE CARE NURSING ASSISTANT SKILLS LAB	24.90
CNA 427NC *	ACUTE CARE NURSING ASSISTANT CLINICAL LAB	66.40

Total: 141.10

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADMINISTRATIVE MEDICAL ASSISTANT - Certificate of Completion (Noncredit)

Summary

The Administrative Medical Assistant Certificate of Completion program is designed to prepare the incumbent worker with additional administrative skills for work and career growth as an administrative (front office) medical assistant working in a medical office, clinic or outpatient center. This certificate program is designed to help meet industry demand, offering education and training on soft skills, appointment scheduling, reception duties, managing patient medical records, insurance authorizations, reimbursement and coding for the medical office or clinic. Students are required to complete and pass all assignments mirroring the medical assistant for credit courses. Students do not earn a letter grade.

Program completion qualifies students to sit for the American Academy of Professional Coders (AAPC) and Certified Practice Coder (CPC) certification exams, but does not qualify students to sit for the California Certifying Board for Medical Assistants (CCBMA) certification.

Learning Outcome(s):

- Demonstrate administrative medical skills
- Describe legal and ethical practices related to medical care
- Demonstrate medical office employability skills

Requirements

Required Core: **Hours** 332.00

HSC 404NC	MEDICAL TERMINOLOGY	49.80
MA 406NC	INTRODUCTION TO MEDICAL ASSISTING	49.80
MA 424NC	BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT	83.00
MA 482NC	FUNDAMENTALS OF MEDICAL PRACTICE CODING	66.40
Select one		83.00
CIMA 401NC	OFFICE SKILLS - MICROSOFT WINDOWS	83.00
OR		
CIMA 402NC *	WORD PROCESSING - MICROSOFT WORD	83.00

Total: 332.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADULT EDUCATION BASIC TECHNOLOGY SKILLS - Certificate of Competency (Noncredit)

Summary

The Adult Education Basic Technology Skills Certificate of Competency program teaches basic computer and technology skills, office productivity software, and Internet use to adult learners using lecture and lab with practical application appropriate for ESL learners as well as native English speakers. The program is designed for students with limited computer knowledge required for work, school and everyday tasks. Students learn basic parts of the computer, keyboard and mouse operation, a brief introduction to office productivity software (word processing, spreadsheet, presentation and communications software for entry level employment), and the basics of working with the Internet, email and mobile devices for personal, business, and academic purposes.

Learning Outcome(s):

- Explain essential elements of a computer and the different types of software.
- Define computer terminology.
- Demonstrate proficiency at an introductory level the use of the Internet and office productivity software (word processing, spreadsheet, and presentation applications.)
- Demonstrate knowledge of office productivity software terminology.
- Create, edit, and format text documents, spreadsheets, and presentations.
- Apply office productivity software to complete tasks for work and school.

Requirements

Required Core: **Hours** 99.60

AEBT 701NC	ADULT EDUCATION BASIC TECHNOLOGY SKILLS I	49.80
AEBT 702NC *	ADULT EDUCATION BASIC TECHNOLOGY SKILLS II	49.80

Total: 99.60

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE (AESL) for the Workplace - Certificate of Competency (Noncredit)

Summary

The Adult Education English as a Second Language (AESL) for the Workplace Certificate of Competency is a sequence of two courses offered as a resource for students to improve their language skills before entering a CTE program or

the workforce. The noncredit courses are designed for non-native English speakers to develop listening, speaking, reading and writing skills to communicate effectively in a vocational/job-related context. Focus will be on job-specific terminology, field-related reading, practical writing tasks and oral communication strategies to clearly enunciate target vocabulary and sustain intelligible conversations with co-workers, supervisors, patients, students, clients, and peers.

Learning Outcome(s):

- Acquire and pronounce new vocation-related vocabulary, phrases, and idioms intelligibly using acceptable stress and intonation patterns.
- Present work-related summaries based on reading or listening material.
- Participate in face-to-face conversations in vocational contexts.
- Utilize clarification strategies in order to promote better understanding and accuracy on the job.
- Understand and interpret authentic and academic work-related reading material.
- Demonstrate proficiency in performing written and spoken communicative tasks.
- Demonstrate positive work habits and culturally acceptable behaviors that lead to success on the job.
- Demonstrate efficiency in using common computer software applications.
- Use critical thinking to interpret Internet resources pertaining to job search, job training and workers' rights.

Requirements

Required Core: **Hours** 99.60

AESL 710NC	ADULT EDUCATION ESL FOR THE WORKPLACE I	49.80
AESL 720NC *	ADULT EDUCATION ESL FOR THE WORKPLACE II	49.80

Total: 99.60

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE - ADVANCED LEVEL - Certificate of Competency (Noncredit)

Summary

The Adult Education English as a Second Language (AESL) Certificate of Competency -Advanced Level is designed for students to demonstrate low-advanced English skills. The goal of this level is to build reading, writing, listening, speaking, grammar, vocabulary and study skills, so that students can continue to communicate effectively in everyday situations and develop the language necessary to work toward career, personal and education goals (including preparation for credit courses). Students who complete AESL705 Intermediate High and AESL 706 Advanced Low with a passing noncredit grade of P in each course are eligible for the AESL Certificate of Competency- Advanced Level. There are no enrollment limitations or prerequisites for these courses. Students who earn the AESL Certificate of Competency - Advanced are eligible to take AESL Citizenship (708), and may be prepared to enter the Saddleback College ESL Program or CTE job preparation program.

Learning Outcome(s):

- Understand face-to-face and telephone conversations in familiar and unfamiliar contexts.
- Engage in social and interpersonal relations: approve or disapprove, express indifference and intentions, persuade, predict consequences.
- Summarize and discuss multi-paragraph reading passages or audio-visual materials.
- Write a short biography, personal letters, business letters and letters of complaint.
- Interpret and critically assess information from online sources
- Interpret wages, wage deductions, benefits and timekeeping forms
- Identify factors that influence job retention and advancement
- Demonstrate an organized approach to achieving goals, including identifying and prioritizing tasks and setting and following an effective schedule
- Interpret information about educational support services, such as counseling, accommodations, and financial aid, and identify ways to access them
- Recognize acceptable cultural norms in the United States and compare those of a different country

Requirements

Required Core: **Hours** 298.80

AESL 705NC	INTERMED. HIGH-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40
AESL 706NC	ADVANCED LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40

Total: 298.80

ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE - BEGINNING LEVEL - Certificate of Competency (Noncredit)

Summary

The Adult Education English as a Second Language (AESL) Certificate of Competency -Beginning Level is designed for students to demonstrate emerging literacy skills in English. The goal of this level is to build reading, writing, listening, speaking, grammar, and vocabulary skills so that students can communicate in everyday situations. Emphasis will focus on comprehending simple conversation, communicating survival needs, reading phrases and simple sentences, and performing communicative written tasks. Students who complete AESL 701 Basic Literacy and AESL 702 Beginning Low with a passing noncredit grade of P in each course are eligible for the 2 AESL Certificate of Competency- Beginning Level. There are no enrollment limitations or prerequisites for these courses. Students who earn the AESL Certificate of Competency - Beginning are eligible to take AESL Citizenship (AESL 708), and may be prepared to enter the workplace.

Learning Outcome(s):

- Identify and use appropriate language to get information or solve a problem
- Follow procedures for applying for a job, including interpreting and completing job applications
- Perform guided communication tasks and guided practical activities (write commands, write directions, write brief passages, etc.)
- Use factual information: ask for information, describe, express necessity, ask permission, agree, and disagree
- Use standard measurement for length, width, perimeter, area, volume, height or weight
- Interpret diagrams, illustrations and scale drawings
- Interpret medications, including prescriptions, overthe-counter and generic medications
- Interpret information about Orange County, such as cities, geographical features and points of interest in community
- Identify the U.S. flag, other national symbols and principle monuments
- Recognize acceptable cultural norms in the United States and compare those of a different country

Requirements

Required Core: **Hours** 298.80

AESL 701NC	BASIC LITERACY-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40
AESL 702NC	BEGINNING LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40

Total: 298.80

ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE - INTERMEDIATE LEVEL - Certificate of Competency (Noncredit)

Summary

The Adult Education English as a Second Language (AESL) Certificate of Competency - Intermediate Level is designed for students to demonstrate intermediate English skills. The goal of this level is to build reading, writing, listening, speaking, grammar, and vocabulary skills so that students can communicate in everyday situations. Emphasis will be on creative oral language, initial critical thinking skills in reading comprehension 2 and performing communicative

written tasks as well as beginning academic writing. To enroll in these courses, students demonstrate the competencies from the AESL- Beginning certificate, or have taken beginning-level courses; however, there are no enrollment limitations or prerequisites for these courses. Students who complete AESL 703 Beginning High and AESL 704 Intermediate Low with a passing noncredit grade of P in each course are eligible for the AESL Certificate of Competency- Intermediate. Students who earn the AESL Certificate of Competency - Intermediate are eligible to take AESL Citizenship (AESL 708), and may be prepared to enter the Saddleback College ESL Program or CTE job-preparation program.

Learning Outcome(s):

- Write related sentences to form a simple paragraph on a personal topic.
- Complete forms: job application, medical history form, registration form for higher educational facility.
- Begin using critical thinking skills in reading comprehension activities.
- Skim for general meaning and scan for specific information in simple life skill materials related to immediate needs.
- Identify or make inferences through inductive and deductive reasoning to hypothesize, predict, conclude, and synthesize (after listening to a portion of a reading passage, student will make predictions on conclusion of passage).
- Participate in simple face-to-face conversations about survival needs, daily and leisure activities, and personal interests; articulate words and sentences so that native English speakers can understand.
- Engage courteously in social and interpersonal relations: apologize, make excuses, express worry and disappointment, give and get permission, make offers and suggestions, give advice.
- Ask and answer questions in simple present, past, and future tenses on familiar topics
- Communicate with a doctor or other medical staff regarding condition, diagnosis, treatment, concerns, etc.
- Identify procedures involved in interviewing for a job, such as arranging for an interview, acting and dressing appropriately, and selecting appropriate questions and response.
- Recognize acceptable cultural norms in the United States and compare those of a different country.

Requirements

Required Core: **Hours** 298.80

AESL 703NC	BEGINNING HIGH-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40
AESL 704NC	INTERMED. LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE	149.40

Total: 298.80

ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE VOCABULARY DEVELOPMENT - Certificate of Competency (Noncredit)

Summary

The AESL Vocabulary Development sequence of courses will constitute a Career Development and College Preparation Noncredit certificate program. This program is designed for high beginning, intermediate and advanced ESL learners. Students will review and use vocabulary words, common idioms and phrases related to life skills, vocational and academic topics. Students will work on mastering 350-450 new vocabulary items through a variety of listening, speaking, reading and writing activities. Additionally, students will acquire learning strategies and technology skills to support lifelong English development. AESL 730 is a recommended prep for AESL 740.

Learning Outcome(s):

- Students will fill in correct vocabulary items in a cloze test with 75% accuracy.
- Spell target vocabulary words with 75% accuracy during dictation exercise.
- Match target vocabulary words with meanings with at least 75% accuracy.
- Students will compose a written passage using 10 new vocabulary items.
- Students will decipher the meaning of unknown words using one or more learning strategies.

Requirements

Required Core: **Hours** 99.60

AESL 730NC	ADULT EDUCATION ESL VOCABULARY DEVELOPMENT I	49.80
AESL 740NC *	ADULT EDUCATION ESL VOCABULARY DEVELOPMENT II	49.80

Total: 99.60

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ADULT EDUCATION ESL DIGITAL LITERACY - Certificate of Competency (Noncredit)

Summary

The Adult Education ESL Digital Literacy program is designed for English learners to gain the related language skills and vocabulary needed to perform personal, professional, and educational digital tasks. The program introduces vocabulary relating to basic computer hardware, software, mobile applications and Internet resources that relate to learning ESL. Students will learn to perform language tasks in common software, email applications, websites, and apps on mobile devices while adhering to Internet safety rules. No prior computer experience is required. There are no enrollment limitations or prerequisites for the courses and this is a non-credit, open-entry/open-exit program.

Learning Outcome(s):

- Acquire and demonstrate the use of the vocabulary necessary for computer and Internet literacy.
- Use a computer and/or mobile device to develop language skills.
- Use word processing, spreadsheet, and presentation applications to complete personal, professional and academic tasks in speaking and writing.
- Demonstrate improved language skills in reading, writing, listening, and speaking through diverse digital projects.
- Demonstrate research skills using appropriate Internet resources while adhering to Internet safety rules.
- Identify websites, mobile apps and other digital resources for independent online language learning.
- Demonstrate the ability to collaborate and communicate effectively with people from diverse backgrounds.

Requirements

Required Core: **Hours** 99.60

AESL 760NC	ADULT EDUCATION ESL DIGITAL LITERACY I	49.80
AESL 761NC *	ADULT EDUCATION ESL DIGITAL LITERACY II	49.80

Total: 99.60

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BARBER CROSSOVER - Certificate of Completion (Noncredit)

Summary

The Barber Crossover Program is a series of two 200-hour courses designed specifically for a Licensed Cosmetologist who would like to obtain a Barbering License. The program is designed to meet the minimum California State Board of Barbering and Cosmetology Standards. Courses include technical instruction and practical operations covering those Barber practices that are not a part of the required training or practice of a Cosmetologist. Topics include health and safety, sanitation and disinfection, hair cutting, shaving, and trimming of the beard and mustache. At completion of 400 hours and passing the California State Board of Barbering Examination, students will be prepared as entry-level barbers. Licensed graduates may be employed as hair stylists, beard, and mustache groomers, shaving specialists, and retail buyers. With continuing education and experience, licensed Barbers may find employment as salon managers or owners, manufacturers' field representatives, demonstrators and lecturers, instructors, and laboratory technicians.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 200 certified hours of training.

Students must be a minimum of 17 years of age to enroll in the Barber Crossover coursework. In accordance with the California State Board of Barbering and Cosmetology Business and Professions Code, the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

The program has a minimum requirement of 400 class/clock hours and a minimum number of theory and practical applications required by The California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude and a sense of personal integrity and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Perform basic manipulation skills in the areas of barbering, facial/neck straight razor shaving, mustache/beard styling, hairstyling, hair shaping.
- Perform basic/advanced analytical skills to determine proper hairstyle, facial hair grooming, for the client's overall image.
- Apply learned theory, technical information, and related matter including infectious and non-infectious skin diseases and disorders, to assure sound judgment, decisions, and procedures in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.
- Perform proper sanitation and disinfection skills during all Barbering procedures.

Requirements

Required Core: **Hours** 400.06

COS 424NC *	BARBER CROSSOVER BEGINNER-LEVEL 1	200.03
COS 425NC *	BARBER CROSSOVER ADVANCED-LEVEL 2	200.03

Total: 400.06

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BARBERING - Certificate of Completion (Noncredit)

Summary

The Barbering Certificate of Completion is a 1,000-hour program divided into four 250-hour courses designed to prepare the student for the California State Board Barber Examination for state licensure and success as a Barber. Courses include both classroom instruction and laboratory practice. Upon successful completion of this program and passing of the California State Board Barbering Examination, graduates may be employed as Barbers, beard and facial hair groomers, hairdressers, hair coloring specialists, hair stylists, shaving specialists, receptionists, and cosmetic sellers and buyers. With continuing education and experience, licensed Barbers may find employment as salon managers or owners, manufacturers field representatives, demonstrators and lecturers, and laboratory technicians.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 500 certified hours of training.

Students must be a minimum of 16 years of age to enroll in the barbering coursework. In accordance with the California State Board of Barbering and Cosmetology Business and Professions Code, the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

The program has a minimum requirement of 1,000 class/clock hours and a minimum number of theory and practical applications required by The California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude and a sense of personal integrity and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Perform basic manipulation skills in the areas of barbering, facial/neck straight razor shaving, mustache/beard styling, hairstyling, hair shaping, hair coloring, texture services, skin care, scalp and hair conditioning, and manicures.
- Perform basic analytical skills to determine proper hairstyle, facial hair grooming, color application, skin care needs for the client's overall image.
- Apply learned theory, technical information, and related matter including infectious and noninfectious skin diseases and disorders, to assure sound judgment, decisions, and procedures in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.

Requirements

Required Core: **Hours** 1000.00

COS 420NC *	BARBERING BEGINNER-LEVEL 1	250.00
COS 421NC *	BARBERING INTERMEDIATE-LEVEL 2	250.00
COS 422NC *	BARBERING ADVANCED-LEVEL 3	250.00
COS 423NC *	BARBERING PROFICIENT-LEVEL 4	250.00

Total: 1000.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

BUS OPERATOR/DRIVER COMMERCIAL LEARNER'S PERMIT - Certificate of Completion (Noncredit)

Summary

The Bus Operator/Driver Commercial Learner's Permit Certificate of Completion is designed to prepare students for the California Commercial Learner's Permit (CLP) test and provide insight into what a career as a bus operator/driver entails. To obtain a commercial driver's license, a person needs to first attain the CLP by passing a knowledge test based on the California Commercial Driver Handbook. Therefore, students will review information in the California Commercial Driver Handbook, including sample test questions. Students will learn study skills to better prepare them for the CLP test and customer service skills, which are essential in the field. Moreover, students will receive behind-the-wheel and vehicle inspection training. Coursework includes a walk-thru of the job application process, interview techniques, and job requirements (i.e., physical examination, background checks, etc.). This program trains individuals for careers related, but not limited to, being a bus driver or bus operator. In order to sit for the CLP test and for potential employment, students must be at least 21 years old, have a valid California Driver's license with a clean record and pass a medical background check and drug screening.

Learning Outcome(s):

- Seek employment in the public transit industry.
- Demonstrate current industry-specific skills related to the safety, operation, and driving of multi-passenger buses.
- Take the related California Commercial Learner's Permit (CLP) exam.

Requirements

Required Core: **Hours** 66.40

AUTO 440NC	TRANSPORTATION CAREER EXPLORATION	8.30

AUTO 441NC *	BUS OPERATOR/DRIVER TRAINING	58.10

Total: 66.40

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CERTIFIED NURSE ASSISTANT - Certificate of Completion (Noncredit)

Summary

The Certified Nurse Assistant (CNA) program provides students with the knowledge and the skills required to provide basic nursing care skills and learn effective communication for understanding psychosocial/cultural differences of patients. This program focuses on the role of the Certified Nurse Assistant including safety precautions, emergency procedures, infection control and prevention, client rights to recognize and report abuse and neglect, activities of daily living, personal hygiene, nutrition, safe food handling, body mechanics, and transferring patients.

The college does not issue state certification. This program prepares students to take the state test required for state certification. The California Department of Public Health (CDPH) determines who meets the criteria for state certification.

State certification as a Nurse Assistant prepares students for employment in acute and long term and skilled health care facilities, residences, and medical offices. Program requirements for admission to the program and clinical placement are found on the program's website.

Learning Outcome(s):

- Demonstrate skills needed for certification as a nurse assistant.
- Demonstrate basic patient care skills needed for patients' activities of daily living, personal hygiene, nutrition, safe food handling, as well as understand body mechanics, and proper transferring of patients.
- Describe an understanding of the psychosocial/cultural and communication skills needed with patients and healthcare providers to include safety precautions, emergency procedures, infection control and prevention, and clients' rights to recognize and report abuse and neglect.

To file a complaint about this program, contact: California Department of Public Health

Requirements

Required Core: **Hours** 199.20

CNA 422NC *	CERTIFIED NURSE ASSISTANT THEORY	66.40
CNA 423NC	CERTIFIED NURSE ASSISTANT PRACTICUM	107.90
CNA 424NC *	NURSING ASSISTANT SKILLS LAB	24.90

Total: 199.20

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CISCO NETWORK SPECIALIST - Certificate of Completion (Noncredit)

Summary

Cisco is the worldwide leader in Information Technology (IT), networking, and cybersecurity solutions. Cisco controls 60% of the network routing computers; its nearest competitors have single-digit market penetration. This certificate comprises two tuition-free classes that prepare students for Cisco's first two Academy 7.0 industrial certificates. The first course prepares students for the Cisco Certified Network Associate 1 (CCNA 1) exam. The second course prepares students for the Cisco Certified Network Associate 2 (CCNA 2) exam, which is the following certificate on installing, configuring, operating, and troubleshooting small and medium-sized Cisco networks. Upon completing these courses and earning the Cisco certifications, students have many opportunities in high employment potential computer networking fields.

Learning Outcome(s):

- Identify basic IT terminology.
- Describe and identify the basic components of a client-server network.
- Install and configure Cisco routers.

Requirements

Required Core: **Hours** 166.00

CIS 481NC	CCNA 1 CISCO CERTIFIED NETWORK ASSOCIATE	83.00
CIS 482NC *	CCNA 2 CISCO CERTIFIED NETWORK ASSOCIATE	83.00

Total: 166.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description

CLINICAL LAB ASSISTANT AND PHLEBOTOMY PROGRAM - Certificate of Completion (Noncredit)

Summary

The Clinical Laboratory Assistant/ Phlebotomy Program will introduce all concepts relevant to the pre-analytical and analytical (waived) laboratory testing phases, including phlebotomy. Emphasis will be placed upon biohazard handling safety, specimen collection (blood/ phlebotomy and non-blood specimens) and equipment, blood and non-blood specimen processing and evaluation for testing, diagnostic laboratory terminology, laboratory information systems, quality control and quality assurance for waived tests, specimen send/outs processing, and professionalism/ soft-skills for laboratory employees. Basic and advanced phlebotomy topics and phlebotomy clinical practicum will be introduced. Individuals who have earned a High School Diploma (must be 18 years or older) or a GED may apply to this program. Students enrolled in the MLT 413NC course are required to obtain the following clearances before participation in the program: health clearances (immunizations, drug screen, and TB testing), a background check. Students enrolled in MLS 413NC course are also required to obtain a non-expired BLS card and malpractice insurance. Students may be required to participate in an interview selection process at a maximum of 3 approved training sites for the MLT 413NC course. Program completers will be eligible to take the state certification exam approved by the California Department of Public Health/ Laboratory Field Services branch to obtain a Certified Phlebotomy Technician-1 license required for employment. Certification enables employment in various diagnostic laboratory settings in the hospital, the physician office, reference, forensic, and research institutions.

Learning Outcome(s):

- Perform blood specimen collection, transport, and processing as required for diagnostic testing.
- Practice established safety procedures and communicate effectively and professionally with patients, laboratory personnel, and other members of the health care team.
- Demonstrate preparation for applicable State of California approved Phlebotomy certification exam.

Requirements

Required Core: **Hours** 157.70

MLT 410NC	INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION	16.60
MLT 411NC	BASIC LABORATORY PROCEDURES	16.60
MLT 412NC *	PHLEBOTOMY	66.40
MLT 413NC *	PHLEBOTOMY LABORATORY EXPERIENCE	58.10

Total: 157.70

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

CLINICAL MEDICAL ASSISTANT - Certificate of Completion (Noncredit)

Summary

The Clinical Medical Assistant Certificate of Completion is a noncredit certificate program that mirrors the credit clinical medical assistant courses and provides instruction and skills training for the incumbent worker seeking to upskill and cross train or the student seeking employment. Students learn law, ethics, infection prevention, safety, HIPAA, physical exam, interpersonal communication, medical records, documentation, laboratory procedures, venipuncture, pharmacology, medication administration, injections, minor office surgery, ECG, and spirometry procedures. Completers are eligible for employment as a clinical medical assistant in variety of healthcare settings. Program completion does not qualify students to sit for the California Certifying Board for Medical Assistants (CCBMA) certification.

Learning Outcome(s):

- Acquire knowledge related to safe, legal, and ethical patient care
- Demonstrate skills related to clinical medical assisting
- Assist the physician to perform patient care examinations and procedures

Requirements

Required Core: **Hours** 431.60

HSC 404NC	MEDICAL TERMINOLOGY	49.80
MA 406NC	INTRODUCTION TO MEDICAL ASSISTING	49.80
MA 411NC	PHYSICAL EXAMINATION PROCEDURES	83.00
MA 412NC	MEDICAL OFFICE LAB PROCEDURES	83.00
MA 413NC	MEDICAL ASEPSIS AND SURGICAL PROCEDURES	83.00
MA 414NC	MEDICATION ADMINISTRATION PROCEDURES	83.00

Total: 431.60

COMMUNICATION SKILLS FOR NURSING STUDENTS - Certificate of Completion (Noncredit)

Summary

The Communication Skills for Nursing Students Certificate of Completion serves to remediate nursing students who have been identified as needing to acquire and apply evidence-based communication techniques, either through self-referral or by a nursing instructor. Effective communication is essential in today's healthcare setting for promoting inter-professional collaboration, teamwork, patient-centered care, and ultimately, the improvement of patient outcomes. Students learn the value of positive, effective communication in the healthcare setting and in their own lives. This program is a two-course certification that includes communication in all forms: verbal and nonverbal, reading, writing and listening.

Learning Outcome(s):

- Identify assertive, passive, passive-aggressive, and aggressive verbal and non-verbal communication styles.
- Apply assertive verbal and non-verbal communication techniques in their professional and personal lives.
- Demonstrate teamwork and collaboration skills using assertive communication techniques.
- Utilize assertive conflict resolution techniques.
- Communicate effectively with patients, families, and the inter-professional health care team to achieve quality patient care.

Requirements

Required Core: **Hours** 11.96

N 478NC *	NURSING COMMUNICATION SKILLS, PART I	5.98
N 479NC *	NURSING COMMUNICATION SKILLS, PART II	5.98

Total: 11.96

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMMUNITY HEALTH WORKER - Certificate of Completion (Noncredit)

Summary

The Community Health Worker (CHW) Certificate of Completion can be completed in approximately 415 hours. Students can choose between three of the experiential specialties as their capstone course in either aging or co-occurring disorders.

Skills are related to public health, healthcare, and social services. CHWs provide services including health education, navigation through healthcare systems and services, health outreach, community health data collection, and health promotion. Graduates will be able to help improve quality of life for clients by identifying the social determinants of health (SDOH) and disparities in communities, increasing access to health care services, promoting health screening, and providing public health education on available health services and recommendations. The certificate is for both entry-level individuals and for providing additional competencies to those employed in various fields. Graduates can work in various settings including healthcare clinics, mental health facilities, substance abuse programs, nursing homes, assisted living facilities, and neighborhood and faith-based organizations.

Occupations:

- Community Health Worker
- Health Advocates
- Contact Tracers
- Community Liaisons
- Health Navigators
- Community Navigators
- Community Health Advisors
- Outreach Educators
- Community Health Representatives
- Peer Health Promoters
- Promotores

Competencies:

- Communication Skills
- Interpersonal And Relationship-Building Skills
- Service Coordination and Navigation Skills
- Capacity Building Skills
- Advocacy Skills
- Education And Facilitation Skills
- Individual And Community Assessment Skills
- Outreach Skills
- Professional Skills and Conduct
- Evaluation And Research Skills
- Knowledge Base

Learning Outcome(s):

- Describe the U.S. healthcare system in terms of social, psychological, and physiological impact on health and the services offered by each component.
- Describe how education, socioeconomic status, racism, and gender shape health outcomes.
- Facilitate access to resources and increase the clients' ability to navigate the health care system.
- Describe the concept of public health as it relates to community health workers.

Requirements

Required Core: **Hours** 415.00

PH 401NC	INTRODUCTION TO PUBLIC HEALTH	49.80
HLTH 401NC	CONTEMPORARY HEALTH ISSUES	49.80
PH 410NC	HEALTH SYSTEMS AND PERSPECTIVES	49.80
PH 406NC	FOUNDATIONS FOR COMMUNITY HEALTH WORKERS	49.80
PH 403NC	HEALTH AND SOCIAL JUSTICE	49.80
PH 405NC *	DIRECTED PRACTICE FOR COMMUNITY HEALTH CARE WORKER	116.20
Select one		49.80
PH 435NC	RESOURCES AND SERVICES FOR OLDER ADULTS	49.80
OR		
SOC 425NC	SOCIOLOGY OF AGING	49.80
OR		
HS 476NC	CO-OCCURRING DISORDERS	49.80

Total: 415.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COMPREHENSIVE MEDICAL ASSISTANT - Certificate of Completion (Noncredit)

Summary

The Comprehensive Medical Assistant Certificate of Completion prepares students and incumbent workers with administrative and clinical instruction and skills training required for working in the front office and back office of a physician's office, medical clinic, outpatient or ambulatory care center. This noncredit program is designed to help meet industry demand and offers education and opportunities for workers to upskill and cross train to the front and back office. Students learn soft skills, appointment scheduling, reception duties, HIPAA, electronic medical and health records, insurance authorizations, reimbursement, abstracting data, coding, medication administration, injections, physical examination procedures, minor office surgery procedures, laboratory procedures, venipuncture, ECG, and spirometry diagnostic testing. Program completion qualifies students to sit for the American Academy of Professional Coders (AAPC) and Certified Practice Coder (CPC) certification exams, but does not qualify students to sit for the California Certifying Board for Medical Assistants (CCBMA) certification.

Learning Outcome(s):

- Demonstrate medical office employability skills
- Demonstrate administrative medical skills
- Describe legal and ethical practices related to medical care
- Demonstrate clinical medical assistant skills

Requirements

Required Core: **Hours** 664.00

HSC 404NC	MEDICAL TERMINOLOGY	49.80
MA 406NC	INTRODUCTION TO MEDICAL ASSISTING	49.80
MA 424NC	BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT	83.00
MA 482NC	FUNDAMENTALS OF MEDICAL PRACTICE CODING	66.40
Select one		83.00
CIMA 401NC	OFFICE SKILLS - MICROSOFT WINDOWS	83.00
OR		
CIMA 402NC *	WORD PROCESSING - MICROSOFT WORD	83.00
MA 411NC	PHYSICAL EXAMINATION PROCEDURES	83.00
MA 412NC	MEDICAL OFFICE LAB PROCEDURES	83.00

MA 413NC	MEDICAL ASEPSIS AND SURGICAL PROCEDURES	83.00
MA 414NC	MEDICATION ADMINISTRATION PROCEDURES	83.00

Total: 664.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

COSMETOLOGY - Certificate of Completion (Noncredit)

Summary

The Cosmetology Certificate of Completion is a series of four 250-hour courses designed to prepare the student for the California State Board of Barbering and Cosmetology Licensing examination and a career in Cosmetology. At completion of 1,000 hours and passing the California State Board Examination, students will be prepared as an entry-level Cosmetologist performing haircutting, styling, coloring, permanent waving, manicuring, pedicuring, waxing and facials. Licensed graduates may be employed as hair stylists, hair waxing removal specialists, makeup artists, manicurists, skin therapists, and retail buyers or sellers. With continuing education and experience, licensed Cosmetologists may find employment as salon managers or owners, manufacturer field representatives, demonstrators and lecturers, instructors, and laboratory technicians.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 500 certified hours of training.

Students must be a minimum of 16 years of age to enroll in the Cosmetology coursework, in accordance with The California State Board of Barbering and Cosmetology Business and Professions Code. The minimum qualifications of an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

This program has a minimum requirement of 1,000 class/clock hours and a minimum number of theory and practical applications required by The California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude, a sense of personal integrity, and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Perform basic manipulation skills in the areas of cosmetology: facials, scalp treatments, hairstyling, cutting, coloring, permanent waving, and manicures and pedicures.
- Perform basic analytical skills to determine proper hair cutting, styling, coloring, permanent waving and straightening, facial hair grooming, skin care needs for a facial, and proper makeup application for the client's overall image.
- Apply learned theory, technical information, and related matter including infectious and noninfectious skin diseases and disorders, to assure sound judgment, decisions, and procedures in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.

Requirements

Required Core: **Hours** 1000.00

COS 415NC *	COSMETOLOGY BEGINNER-LEVEL 1	250.00
COS 416NC *	COSMETOLOGY INTERMEDIATE-LEVEL 2	250.00
COS 417NC *	COSMETOLOGY ADVANCED-LEVEL 3	250.00
COS 418NC *	COSMETOLOGY PROFICIENT-LEVEL 4	250.00

Total: 1000.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EKG/ECG TECHNICIAN - Certificate of Completion (Noncredit)

Summary

Students in the EKG/ECG Certificate of Completion program learn skills related to cardiac testing, 12-lead ECG, Stress Testing and Holter monitoring. Emphasis on the cardiopulmonary anatomy, physiology, obtaining ECG recordings and measurements identifying cardiac rhythms. Coursework prepares for employment in a medical office, an ambulatory care center or hospital performing telemetry monitoring, preparation for Stress Testing and Holter Monitoring. Designed for the incumbent worker or student seeking additional job skills. Students must complete and pass all course assignments, demonstrations and examinations.

Learning Outcome(s):

- Identify the origin and characteristics of normal and abnormal cardiac rhythms
- Provide patient instructions related to performance of the electrocardiogram
- Identify life threatening dysrhythmia
- Perform multiple 12 lead ECGs, print, mount, measure and identify rhythm without error
- Demonstrate the use of standardized steps to identify normal and abnormal cardiac rhythms
- Demonstrate techniques used to perform the ECG during unusual patient conditions
- Demonstrate cultural sensitivity and appropriate interpersonal communication
- Document and report patient results accurately
- Troubleshoot and correct causes of artifact on ECG tracings
- Demonstrate preparation and set up for Stress Testing and Holter monitoring

Requirements

Required Core **Hours** 132.80

MA 406NC	INTRODUCTION TO MEDICAL ASSISTING	49.80
MA 418NC	ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT	83.00

Total: 132.80

EMERGENCY MEDICAL TECHNICIAN - Certificate of Completion (Noncredit)

Summary

The Emergency Medical Technician Certificate of Completion is designed to develop students into proficient and compassionate prehospital emergency professionals. Coursework covers the cognitive, psychomotor, and affective aspects of Basic Life Support level prehospital care as identified in the National EMS Education Standards, including biochemistry, anatomy, physiology, pathophysiology, assessment and treatment interventions, operations, administration, safety, and well-being. Students must achieve a grade of "P" in EMT 407NC, and successfully complete all requirements for EMT 417NC, to be awarded a course completion certificate, which is required to take the National Registry EMT written examination and become certified as an EMT. The courses in this program also satisfy the Orange County EMT accreditation training requirements.

Learning Outcome(s):

- Demonstrate proficiency in the cognitive aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.
- Demonstrate proficiency in the psychomotor aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.
- Demonstrate proficiency in the affective aspects of prehospital emergency medical care as specified in the National Emergency Medical Services Education Standards.

Requirements

Required Core: **Hours** 282.20

HSC 422NC *	BASIC LIFE SUPPORT - CPR AMERICAN HEART ASSOCIATION	16.60
EMT 407NC *	EMERGENCY MEDICAL TECHNICIAN PROCEDURES NC	215.80
EMT 417NC *	EMERGENCY MEDICAL TECHNICIAN CLINICAL OBSERVATION NC	49.80

Total: 282.20

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EMERGENCY NURSE TRAINING PROGRAM - Certificate of Completion (Noncredit)

Summary

This program is an introduction for experienced and new graduate registered nurses to emergency nursing emphasizing the adaptive behaviors for critical thinking and skilled response to emergency department patient care. This program provides the theoretical foundation for emergency nurses to learn critical knowledge and skills to effectively communicate, prioritize, problem solve and implement decisive care successfully in the emergency care setting. The program is intended for new graduate RNs and RNs transferring from other areas of nursing to emergency care. The program uses the Emergency Nurses Association, Emergency Nursing Core Curriculum text book as a guide to focus on physical, psychosocial and clinical practice issues presented by patients in the emergency setting. At the completion of the program the participant will receive a certificate of completion to seek gainful employment in an emergency setting. Proof of a current California RN license, CPR card, TB test, insurance coverage and general computer experience is required.

Learning Outcome(s):

- Perform a nursing assessment.
- Describe the management of an emergency patient.
- Identify the Emergency Care standards of practice as demonstrated by the Emergency Nurse's Association.

Requirements

Required Core: **Hours** 245.97

N 402NC	EMERGENCY NURSE TRAINING THEORY	30.00
N 403NC *	EMERGENCY NURSE TRAINING PRACTICUM	215.97

Total: 245.97

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

EMPLOYABILITY SKILLS - Certificate of Completion (Noncredit)

Summary

The Adult Education Workforce Preparation Employability Skills Certificate of Completion is designed for students who have demonstrated basic pre-vocational, independent living, and community skills, who are actively seeking employment or internship opportunities (paid or unpaid). The goal of this certificate is to build employment readiness skills so that students can further vocational and independent living opportunities. Emphasis will focus on workplace (and community) safety, personal finance, problem solving, and healthy relationships in the workplace. Courses may be offered days, evenings and weekends during Fall, Spring and Summer. There are no enrollment limitations or prerequisites for these courses.

Learning Outcome(s):

- Identify community regulations and emergency numbers/procedures.
- Demonstrate ability to create a budget based on identified needs as well as means.

- Utilize effective problem-solving skills typical to workplace environments.
- Identify appropriate social boundaries related to maintaining healthy relationships.
- Identify basic workplace skills, including communication and safety skills.

Requirements

Required Core: **Hours** 199.20

AEWP 781NC	PERSONAL SAFETY	49.80
AEWP 782NC	PERSONAL BANKING AND BASICS OF BUDGETING	49.80
AEWP 784NC	CRITICAL THINKING SKILLS	49.80
AEWP 785NC	HEALTHY RELATIONSHIPS	49.80

Total: 199.20

ENGLISH AS A SECOND LANGUAGE - ADVANCED LEVEL - Certificate of Competency (Noncredit)

Summary

The Certificate of Competency for English as a Second Language – Advanced Level is designed for students to demonstrate advanced English language skills.

The required advanced-level courses leading to a certificate will prepare students for academic English language and mainstream academic or vocational courses. Courses for this certificate focus on all four primary language skills, including academic reading, composition writing, speaking, and listening. Students will expand communicative and academic vocabulary, conversational skills, composition, and comprehension. The completion of this certificate will prepare students for college-level certificates and degree applicable coursework, greater civic involvement, and potential job advancement.

Advanced students are placed within the following sequence of foundation courses, according to their English abilities. Courses may be offered days, evenings, and weekends during fall, spring and summer. There is recommended preparation for advanced courses, and some courses have prerequisites and/or corequisite. Students must achieve a noncredit grading option of P (Pass) in each class in order to be eligible for the certificate.

Learning Outcome(s):

- Demonstrate improvement in their grammar.
- Demonstrate improvement in their speaking and comprehension skills.
- Demonstrate improvement in their reading and vocabulary skills.
- Demonstrate improvement in their overall writing skills.

Requirements

Students must achieve a noncredit grading option of P (Pass) in each class in order to be eligible for the certificate.
Required Core: **Hours** 149.40-398.40

ESL 340NC *	ADVANCED MULTISKILLS	99.60
ESL 342NC *	ADVANCED CONVERSATION	49.80
ESL 343NC *	ADVANCED PRONUNCIATION	49.80
Select One Advanced Vocabulary Course:		49.80
ESL 344NC *	IDIOMS AND EXPRESSIONS IN AMERICAN ENGLISH	49.80
ESL 354NC *	VOCABULARY SKILLS FOR COLLEGE	49.80
Select One Academic/Writing Course or Course with Lab:		49.80-99.60
ESL 346NC *	ADVANCED WRITING FOR WORK	49.80

ESL 380NC *	ADVANCED ACADEMIC WRITING I	99.60
ESL 390NC *	ADVANCED ACADEMIC WRITING II	99.60
OR		
both		
ESL 345NC *	ADVANCED WRITING I	49.80
AND		
ESL 802NC *	ADVANCED WRITING I LAB	24.90

Select one Advanced Grammar Course:		49.80
ESL 347NC *	ADVANCED GRAMMAR REVIEW	49.80
ESL 357NC *	GRAMMAR REVIEW FOR COLLEGE	49.80

Restricted Electives: Select one course **Hours** 49.80

ESL 355NC *	ESL READING FOR COLLEGE: AMERICAN LITERATURE	49.80
ESL 359NC *	AMERICAN LANGUAGE AND CULTURE THROUGH FILM	49.80

Total: 199.20-448.20

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ENGLISH AS A SECOND LANGUAGE - BEGINNING LEVEL - Certificate of Competency (Noncredit)

Summary

The Certificate of Competency for English as a Second Language – Beginning Level is for students who can demonstrate basic English language skills such as participating in simple conversations, using every-day vocabulary, reading short articles, and writing grammatically correct sentences in short paragraphs.

The beginning-level courses for this certificate will prepare students for intermediate levels of English language. Completion of this certificate will allow students to be more involved in their communities and possibly advance in their jobs; however, completion of this certificate alone is insufficient preparation for college-level certificates and degree-applicable coursework.

Beginning students are placed into courses according to their English abilities and may test out of up to two courses. Courses may be offered days, evenings, and weekends during fall, spring and summer. There are no prerequisite skills or enrollment limitations although there is recommended preparation for some courses.

Learning Outcome(s):

- Demonstrate improvement in their grammar.
- Demonstrate improvement in their speaking and comprehension skills.
- Demonstrate improvement in their reading and vocabulary skills.
- Demonstrate improvement in their overall writing skills.

Requirements

Students must earn a grade of P (Pass) in the non-credit sections of these classes. **Hours**
Required Core: **Hours** 99.60-249.00

Select one		99.60
ESL 320NC	BEGINNING MULTISKILLS I	99.60
OR		

ESL 321NC *	BEGINNING MULTISKILLS II	99.60
ESL 322NC	BEGINNING CONVERSATION	49.80
ESL 323NC	BEGINNING PRONUNCIATION	49.80
ESL 325NC *	BEGINNING READING AND WRITING	49.80

Total: 99.60-249.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.
Recommended preparation for ESL 321 and ESL 325 is ESL 320.

ENGLISH AS A SECOND LANGUAGE - INTERMEDIATE LEVEL - Certificate of Competency (Noncredit)

Summary

The Certificate of Competency for English as a Second Language - Intermediate Level is designed for students to demonstrate intermediate English language skills. Emphasis is on participating in intermediate-level conversations, expanding vocabulary, reading authentic and simplified texts, and writing grammatically correct sentences within single and multi-paragraph compositions.

The intermediate level courses leading to a certificate will prepare students for advanced levels of English language study by working on all four primary language skills, including reading, writing, speaking, and listening. Students will expand communicative and academic vocabulary, conversational skills, composition, and comprehension. While completion of this certificate will allow for greater civic involvement and potential job advancement, completion of this certificate alone is insufficient preparation for college-level certificates and degree-applicable coursework.

Intermediate students are placed within the following sequence of foundation courses, according to their English abilities. Courses may be offered days, evenings, and weekends during fall, spring and summer. There is recommended preparation for intermediate courses.

Learning Outcome(s):

- Demonstrate improvement in their grammar.
- Demonstrate improvement in their speaking and comprehension skills.
- Demonstrate improvement in their reading and vocabulary skills.
- Demonstrate improvement in their overall writing skills.

Requirements

Students must earn a grade of P (Pass) in the non-credit sections of the following courses.

Required Core: **Hours** 249.00

Select one		99.60
ESL 330NC *	INTERMEDIATE MULTISKILLS I	99.60
OR		
ESL 331NC *	INTERMEDIATE MULTISKILLS II	99.60
ESL 332NC *	INTERMEDIATE CONVERSATION	49.80
ESL 333NC *	INTERMEDIATE PRONUNCIATION	49.80
Select one		49.80
ESL 335NC *	INTERMEDIATE WRITING I	49.80
OR		
ESL 336NC	INTERMEDIATE WRITING II	49.80

Total: 249.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

ESTHETICIAN - Certificate of Completion (Noncredit)

Summary

The Esthetician Certificate of Completion is a 600-hour program divided into two 300-hour courses designed to prepare the student for the California State Board Esthetician Examination for state licensure and success as a cosmetician and/or esthetician. Courses include both classroom instruction and laboratory practice. Successful completion of this program and successful passing of the California State Board Esthetician Examination will allow the graduate Cosmetician/Esthetician to perform manual and electrical facials, microdermabrasion, eyebrow arching and hair removal (other than by electrolysis) on arms, face, and legs, or become a make-up artist or skin care representative.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 300 certified hours of training.

Students must be a minimum of 16 years of age to enroll in the Esthetician coursework. In accordance with the California State Board of Barbering and Cosmetology Business and Professions Code, the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

This program has a minimum requirement of 600 class/clock hours and a minimum number of theory and practical applications required by The California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude and a sense of personal integrity and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Perform basic manipulation skills in the areas of manual and electric facials, eyebrow shaping, lash and brow tinting and lash perming, skin treatments for normal, anti-aging and acne, and makeup for daily and formal events.
- Perform basic analytical skills to determine proper chemicals and modalities to be used to treat the skin, product knowledge to perform services on a diverse clientele, and understanding color, contouring, and camouflage in makeup application for the client's overall health and image.
- Apply learned theory, technical information, and related matter including infectious and non-infectious skin diseases and disorders, to assure sound judgment, decisions, and procedures in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.

Requirements

Required Core: **Hours** 600.26

COS 401NC *	ESTHETICIAN BEGINNER-LEVEL 1	300.13
COS 402NC *	ESTHETICIAN ADVANCED-LEVEL 2	300.13

Total: 600.26

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

FINANCIAL LITERACY - Certificate of Completion (Noncredit)

Summary

The Financial Literacy Certificate of Completion prepares students to begin college courses in finance as well as for jobs in banking and finance and other jobs that require knowledge of basic financial principles. Students learn financial literacy skills related to managing small business and personal finances, such as budgeting, tracking spending and investing, creating and achieving financial goals, insurance, credit, debt, compound interest, time value

of money, tax planning, and investing in stocks, bonds, mutual funds, real estate, and other financial securities. Students learn to use mathematics to solve typical business problems including simple and compound interest, installment sales, trade and cash discounts, markup percent, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks and bonds, and distribution of ownership and profits. Students also learn to use technology including Quicken to track, organize, and manage finances.

Learning Outcome(s):

- Prepare a short and long-term financial plan to achieve financial goals based on an understanding of budgeting, insurance, credit, debt, compound interest, time value of money, tax planning, and investing.
- Analyze and solve business problems that require calculations related to simple and compound interest, installment sales, trade and cash discounts, markup percent, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks and bonds, and distribution of ownership and profits.
- Use Quicken to track, organize, and manage finances.

Requirements

Required Core: **Hours** 141.10

BUS 405NC	BUSINESS MATH	49.80
BUS 472NC	FINANCIAL LITERACY	49.80
CIMA 406NC *	QUICKEN PERSONAL FINANCIAL LITERACY	41.50

Total: 141.10

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HAIRSTYLING - Certificate of Completion (Noncredit)

Summary

The Hairstyling Certificate of Completion is a 600-hour program divided into two 300-hour courses designed to prepare the student for the California State Board Examination for state licensure and success as a Hairstylist. Courses include both classroom instruction and laboratory practice in Hairstyling (non-chemical). Successful completion of this program and passing of the California State Board Examination allow the Hairstylist to perform styling services, which includes arranging, blow drying, cleansing, curling, dressing , hair analysis, shampooing, waving, and nonchemical straightening, and hair cutting including the use of shears, razors, electrical clippers and trimmer, and thinning shears, for wet and dry cutting.

With continuing education and experience, licensed Hairstylists may find employment as salon managers or owners, manufacturer field representatives, demonstrators and lecturers, instructors, and laboratory technicians.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 300 certified hours of training.

Students must be a minimum of 16 years of age to enroll in the Hairstyling coursework. In accordance with the California State Board of Barbering and Cosmetology Business and Professions Code, the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

This program has a minimum requirement of 600 class/clock hours and a minimum number of theory and practical applications required by the California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude, a sense of personal integrity, and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Practice health and safety and sanitation and disinfection.
- Perform basic manipulation skills in the areas of hairstyling and hair cutting.

- Perform basic analytical skills to determine proper hair cutting, hairstyling or hairdressing for the client's overall image.
- Apply learned theory, technical information, and related matter including diseases of the scalp and hair, to assure sound judgment, decisions, and procedures in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.

Requirements

Required Core: **Hours** 600.26

COS 408NC *	HAIRSTYLING BEGINNER-LEVEL 1	300.13
COS 409NC *	HAIRSTYLING ADVANCED-LEVEL 2	300.13

Total: 600.26

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HEALTHCARE DATA ANALYTICS - Certificate of Completion (Noncredit)

Summary

The Healthcare Data Analytics Certificate of Completion is an interdisciplinary program that prepares students for positions in health data collection, data processing, and data analysis. It also provides a foundation for future training in data science and big data analysis, and for work with others to manage healthcare projects related to data analysis. Students learn to design and manipulate databases with SQL and database management systems, write computer programs to access and manipulate data files and databases, and work with electronic spreadsheets and database management systems to create models and analyze results. Ideal for students with clinical degrees and incumbent workers.

The job outlook for entry-level health data analysts is excellent. These positions can have a wide range of job titles including Health Data Analyst, Associate Data Analyst, Data Coordinator, Business Analyst, Data Quality Analyst, Reporting Analyst, Junior Billing Data Analyst, Population Health Data Analyst, Research and Decision Support Specialist among others. Potential employers include: hospitals, nursing homes, insurance companies, community health centers, physician offices, long-term care facilities, public health agencies, urgent care centers, behavioral health centers, consulting firms, pharmaceutical companies, correctional facilities, veterinary medicine, health product vendors, research institutes, and home health agencies.

Learning Outcome(s):

- Use appropriate tools and techniques to acquire, manage, analyze, and report health data
- Leverage data to improve quality and safety of patient care delivery
- Leverage data to inform decision and policy making in public and population health

Requirements

Required Core: **Hours** 431.60

PHIT 400NC	HEALTH INFORMATION SCIENCE	33.20
PHIT 411NC	INTRODUCTION TO HEALTH INFORMATICS	49.80
PHIT 430NC	INTRODUCTION TO PUBLIC HEALTH INFORMATICS AND TECHNOLOGY	49.80
PHIT 440NC	PUBLIC HEALTH DATA REPORTING TECHNIQUES	49.80
CIS 405NC	WORKFORCE PREPARATION DATABASE SQL	83.00
CIMA 488NC	INTRODUCTION TO DATA ANALYTICS - DATA REPORTING TABLEAU	83.00
Select one		83.00
CIM 408NC *	INTRODUCTION TO DATA SCIENCE	83.00
OR		
CIMA 412NC	MANAGING PROJECTS WITH MICROSOFT PROJECT	83.00

Total: 431.60

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

HIGH SCHOOL EQUIVALENCY - Certificate of Competency (Noncredit)

Summary

The High School Equivalency (HSE) Certificate of Competency is a noncredit program comprised of three courses designed to help adult learners develop the academic knowledge and skills necessary to pass an approved California high school equivalency exam (HiSET®). The program focuses on strengthening foundational skills in reading, writing, mathematics, science, and social studies. Students receive instruction aligned with high school-level content standards and test preparation strategies to support their success on all sections of the HSE exams.

The program is especially suited for adults who did not complete high school and are seeking to:

- Enter the workforce or qualify for job training programs
- Meet basic education requirements for employment
- Pursue postsecondary education
- Achieve personal or civic milestones

Learning Outcome(s):

- Demonstrate readiness to pass a state-approved high school equivalency exam in the subject areas of language arts, mathematics, science, and social studies.
- Apply critical thinking and problem-solving skills in academic and real-world contexts.
- Utilize test-taking strategies and academic skills to complete timed, high-stakes assessments.
- Exhibit increased confidence in academic and workplace communication.

Requirements

Required Core: **Hours** 149.40

AEBE 702NC	ADULT EDUCATION BASIC EDUCATION INTERDISCIPLINARY STUDY	49.80
AEBE 704NC	ADULT EDUCATION BASIC EDUCATION MATH	49.80
AEBE 792NC	ADULT EDUCATION BASIC EDUCATION INTERDISCIPLINARY/MATH LAB	49.80

Total: 149.40

This certificate is offered every term and students can complete in one term.

HOME HEALTH AIDE - Certificate of Completion (Noncredit)

Summary

The Home Health Aide Certificate of Completion program provides students with the knowledge and skills required of home health agencies to provide patient personal care skills, effective communication, home assistance, nutrition, meal preparation, housekeeping, environmental safety, and patient mobility. This program focuses on the role of the home health aide to prepare for a position as a home health aide working with elderly, convalescent, or disabled persons in their own home instead of a health care facility.

Learning Outcome(s):

- Demonstrate knowledge and skills necessary for home care assistance.
- Demonstrate patient personal care skills needed for daily living, personal hygiene, and nutrition.
- Demonstrate the communication skills needed with patients and family members to include safety precautions, emergency procedures, and infection control.

Requirements

Required Core: **Hours** 16.00

N 400NC	HOME HEALTH AIDE	8.00
N 401NC *	HOME HEALTH AIDE PRACTICUM	8.00

Total: 16.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

IT HELP DESK SPECIALIST - Certificate of Completion (Noncredit)

Summary

The IT Help Desk Specialist Certificate of Completion is a tuition-free noncredit certificate which allows individuals to begin training in the high employment potential field of Help Desk IT (Information Technology). This certificate is also of value to all 21st-century workers, especially individuals wishing to complement current skills with modern-day cloud and data visualization applications. The certificate includes required courses on developing keyboarding skills. The certificate includes options to take advanced courses like Microsoft Excel, Microsoft PowerBI (Business Intelligence/ Data Analytics) and Data Visualization (Tableau). Furthermore, valuable cloud solutions such as Outlook, SharePoint and Teams also have course options. A cloud solution provides universal access to data anywhere, and applications that can act on data using any intelligent device, PC/Mac, tablet, or smartphone.

Learning Outcome(s):

- Identify basic IT terminology.
- Describe and identify the basic components of a client-server network.
- Prepare business documents and create them at speeds of up to 30 words per minute.

Requirements

Required Core: **Hours** 282.20

CIMA 421NC	KEYBOARDING FOR COMPUTERS - BEGINNING	58.10
CIMA 422NC *	KEYBOARDING FOR COMPUTERS - INTERMEDIATE	58.10
CIMA 400NC	OFFICE SKILLS - OFFICE PROCEDURES	83.00
CIMA 401NC	OFFICE SKILLS - MICROSOFT WINDOWS	83.00

Restrictive Electives: Select 2 courses **Hours** 166.00

CIMA 402NC *	WORD PROCESSING - MICROSOFT WORD	83.00
CIMA 403NC *	OFFICE SKILLS - OUTLOOK AND TEAMS	83.00
CIMA 404NC *	SPREADSHEETS – MICROSOFT EXCEL	83.00
CIMA 405NC *	MICROSOFT OFFICE 365 APPLICATIONS - ACCESS AND SHAREPOINT	83.00
CIMA 408NC *	BUSINESS PRESENTATIONS – MICROSOFT POWERPOINT	83.00
CIMA 415NC *	MICROSOFT EXCEL FOR DATA ANALYTICS	83.00
CIMA 488NC	INTRODUCTION TO DATA ANALYTICS - DATA REPORTING TABLEAU	83.00

Total: 448.20

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MANICURING - Certificate of Completion (Noncredit)

Summary

The Manicuring Certificate of Completion is a 400-hour program divided into two 200-hour courses designed to prepare the student for the California State Board Manicuring Examination for state licensure and success as a manicurist. Courses include proper use of instruments, equipment, personal hygiene, sanitation, common nail conditions, nail diseases, and the use of electrical tools. Principles of salesmanship and skills serving the public are emphasized. The California Board of Barbering and Cosmetology Act and Regulations are studied. At completion of

400 hours and passing the California State Board examination, students will be prepared as entry-level manicurists. With continuing education and experience, licensed Manicurists may find employment as salon managers or owners, manufacturer field representatives, demonstrators and lecturers, instructors, and laboratory technicians.

This program is offered on an open-entry/open-exit basis with a required minimum number of combined lecture/lab hours per week and a waiting list may be maintained for those students who desire to enroll. Students may attend on a part-time or full-time basis. Transfer students will be accepted on a space-available basis providing they have not previously achieved more than 200 certified hours of training.

Students must be a minimum of 16 years of age to enroll in the manicuring coursework. In accordance with the California State Board of Barbering and Cosmetology Business and Professions Code, the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, and (b) has completed the 10th grade in the public schools of this state or its equivalent.

This program has a minimum requirement of 400 class/clock hours and a minimum number of theory and practical applications required by The California State Board of Barbering and Cosmetology.

Learning Outcome(s):

- Project a positive attitude and a sense of personal integrity and self-confidence.
- Deliver a worthy service for value received in an employer-employee relationship.
- Practice effective communication skills, visual poise, and proper grooming.
- Perform basic manipulation skills in the areas of manicure and pedicure, nail tips and wraps, repairs, nail enhancements, gel nails cured and polish.
- Perform basic analytical skills to determine proper nail procedures, product knowledge to perform services on a diverse clientele, and implementation of sanitation and disinfection for the client's overall health and safety in accordance with the California State Board of Barbering and Cosmetology Act and Regulations.
- Apply learned theory, technical information, and related matter to assure sound judgment, decisions, and procedures.

Requirements

Required Core: **Hours** 400.06

COS 411NC *	MANICURING BEGINNER-LEVEL 1	200.03
COS 412NC *	MANICURING ADVANCED-LEVEL 2	200.03

Total: 400.06

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

MICROSOFT SOLUTIONS EXPERT - Certificate of Completion (Noncredit)

Summary

Launch your career in high-demand tech fields with our tuition-free, noncredit Microsoft Solutions Expert Certificate of Completion. This dynamic program includes three courses preparing students for top Microsoft certification exams in cloud, cybersecurity, and AI/ML—key areas driving the future of technology. As a global leader in desktop and cloud solutions, Microsoft certifications are highly valued in IT support and software development markets.

Complete two of the three courses to earn the certificate, designed for:

- Skills builders seeking to advance their expertise.
- Recently unemployed IT professionals aiming to reenter the workforce.
- Individuals unable to afford costly coding boot camps.
- Students enhancing their college degrees with critical 21st-century skills.

In just 16 weeks, gain job-ready skills to thrive in the AI-driven economy, without the high costs of traditional training programs.

Learning Outcome(s):

- Identify basic operating system terminology.

- Describe and identify the basic components of an operating system.
- Configure a small Microsoft Windows network.

Requirements

Required Core: **Hours** 166.00

Select two courses:		166.00
CIS 471NC	MICROSOFT CLOUD AZURE CERTIFICATION EXAM	83.00
CIS 472NC *	MICROSOFT CYBERSECURITY CLOUD SECURITY CERTIFICATE EXAM	83.00
CIS 473NC	MICROSOFT ADVANCED EXAMS AI AND MACHINE LEARNING	83.00

Total: 166.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

NONPROFIT BUSINESS ADMINISTRATION - Certificate of Completion (Noncredit)

Summary

The Certificate of Completion in Nonprofit Business Administration prepares individuals to serve as managers, staff members, or volunteers in nonprofit organizations, with a focus on management, finance, operations, and fundraising. This program equips students with the specialized knowledge and skills needed to succeed in the nonprofit sector — competencies that differ from those typically required in the for-profit business environment.

Learning Outcome(s):

- identify and illustrate management best practices for leading a nonprofit organization including major areas of responsibility for nonprofit leaders, such as strategy, managing employees, fundraising, grant writing, board governance, and marketing and social media.
- identify and explain the finance and development (fundraising) aspects of a nonprofit organization, including major areas of responsibility for nonprofit finance, such as financial statements, budgeting, resource allocation, and grant writing.
- identify legal aspects of starting and operating a nonprofit organization, including legal structure, receiving and maintaining tax-exempt status, trustee and director liability, and Internet considerations.

Requirements

Required Core: **Hours** 83.00

BUS 421NC	NONPROFIT BUSINESS MANAGEMENT	33.20
BUS 422NC	NONPROFIT BUSINESS FINANCE	33.20
BUS 423NC *	LEGAL ASPECTS OF NONPROFIT ORGANIZATIONS	16.60

Total: 83.00

* Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

PRE-VOCATIONAL SKILLS - Certificate of Completion (Noncredit)

Summary

The Adult Education Workforce Preparation Pre-Vocational Skills Certificate of Completion is designed for students to demonstrate basic pre-vocational and life skill attainment. The goal of this certificate is to build independent living skills, community awareness, social skills, and general vocational skills so that students can successfully identify life and vocational goals and apply the necessary skills to work and live more independently. Emphasis will focus on basic independent living skills, community awareness, and relevant functional academic and vocational skills. Courses

may be offered days, evenings and weekends during Fall, Spring and Summer. There are no enrollment limitations or prerequisites for these courses.

Learning Outcome(s):

- Identify or safely utilize community mobility and transportation options.
- Advocate for personal needs and rights.
- Utilize technological tools necessary for workplace and community challenges.
- Identify procedures for responding to independent living situations/environments.
- Identify community regulations and emergency numbers/procedures.
- Identify basic workplace skills, including communication and safety skills.

Requirements

Required Core: **Hours** 365.20

AEWP 771NC	MOBILITY SKILLS	149.40
AEWP 774NC	SELF ADVOCACY SKILLS	49.80
AEWP 775NC	COMPUTER SKILLS LAB	16.60
AEWP 776NC	FUNDAMENTALS OF INDEPENDENT LIVING SKILLS	49.80
AEWP 777NC	BASIC COMMUNITY SKILLS	49.80
AEWP 778NC	INTRODUCTION OF FUNCTIONAL ACADEMICS	49.80

Total: 365.20

WEB AND MOBILE DEVELOPER BOOTCAMP - Certificate of Completion (Noncredit)

Summary

The Web and Mobile Developer Bootcamp Certificate provides students with a tuition-free option to pursue an entry-level career in the very fast-growing web and mobile development area. The courses cover basic web development skills of database, SQL, JavaScript/jQuery, Adobe, web page IDEs, WordPress, HTML, Bootstrap, CSS, responsive design, and prepare individuals for entry-level IT positions. The Web and Mobile Developer Bootcamp Certificate serves as a direct gateway to multiple CIM web design, webmaster, and other IT related credit certificates. The certificate is geared to individuals looking to build skills, recently out of work IT professionals, individuals unable to afford boot camp bills, or students looking to enhance a college degree with important 21st-century skills. Students who complete this certificate are also well prepared to pursue IT, and Computer Science related majors.

Learning Outcome(s):

- Implement basic database SQL language fundamentals consisting of single table queries, sorting and updating data.
- Analyze database indexes, triggers, and constraints. Construct a website using Adobe Dreamweaver that contains links, HTML tags, CSS code, JavaScript, video, sound, graphics, Microsoft Word integration, tables, forms, object tag, page layout, fonts, colors and frames. This website will have RWD design features thereby supporting both desktop computers and mobile devices.
- Compose basic web and mobile programs including data types, control structures, functions, operators and events.

Requirements

Required Core: **Hours** 249.00

CIS 405NC	WORKFORCE PREPARATION DATABASE SQL	83.00
CIS 415NC	CREATING WEB PAGES USING ADOBE, HTML, CSS AND OTHER TOOLS	83.00
CIS 460NC	WORKFORCE PREP WEB DEVELOPMENT INTRODUCTION PROGRAMMING	83.00

Total: 249.00

WORKPLACE READINESS - Certificate of Completion (Noncredit)

Summary

The Workplace Readiness Certificate of Completion equips students with essential soft skills and financial literacy for success in the workplace and beyond. Students learn to communicate effectively using appropriate tone, body language, attitude, and interpersonal skills, with an emphasis on teamwork and professional behavior. The program also focuses on building positive relationships with supervisors, colleagues, customers, and other stakeholders. Students will develop emotional intelligence, personal responsibility, time management, self-worth, and an understanding of workplace behavior. Additionally, the certificate includes practical financial literacy instruction, covering budgeting, managing credit and debt, investing, and retirement planning. JOBS: This certificate is related to and appropriate for jobs across industries and skill and experience levels. The knowledge, skills, and behaviors are especially needed for service-oriented occupations, such as customer service, health workers, or selling.

Learning Outcome(s):

- Use appropriate oral communications, including tone, body language, attitude, interpersonal skills, teamwork, and other factors.
- Build positive, appropriate relations with superiors, colleagues, customers, and other stakeholders.
- Apply basic financial principles to create a personal budget, manage credit and debt responsibly, and evaluate options for investing and retirement planning.

Requirements

Required Core: **Hours** 166.00

BUS 402NC	ORAL BUSINESS COMMUNICATIONS	49.80
BUS 425NC	HUMAN RELATIONS	49.80
BUS 496NC	WORKPLACE SUCCESS SKILLS	16.60
BUS 472NC	FINANCIAL LITERACY	49.80

Total: 166.00

WORKPLACE SKILLS - Certificate of Completion (Noncredit)

Summary

The Adult Education Workforce Preparation Workplace Skills Certificate of Completion is designed for students who have demonstrated basic independent living, community awareness, and employment readiness skills who are actively employed or actively seeking employment and/or internship opportunities (paid or unpaid). The goal of this certificate is to build employment readiness skills so that students can further vocational and independent living opportunities as well as sustain existing opportunities. Emphasis will focus on relevant vocational skills and effective communication in the workplace. Courses may be offered days, evenings and weekends during Fall, Spring and Summer. There are no enrollment limitations or prerequisites for these courses.

Learning Outcome(s):

- Identify effective means of communication with supervisors.
- Identify effective means of communication with co-workers.
- Identify procedures involved in finding, applying and interviewing for a job.
- Demonstrate employability skills necessary in workplace situations/environments.
- Identify basic workplace skills, including communication and safety skills.

Requirements

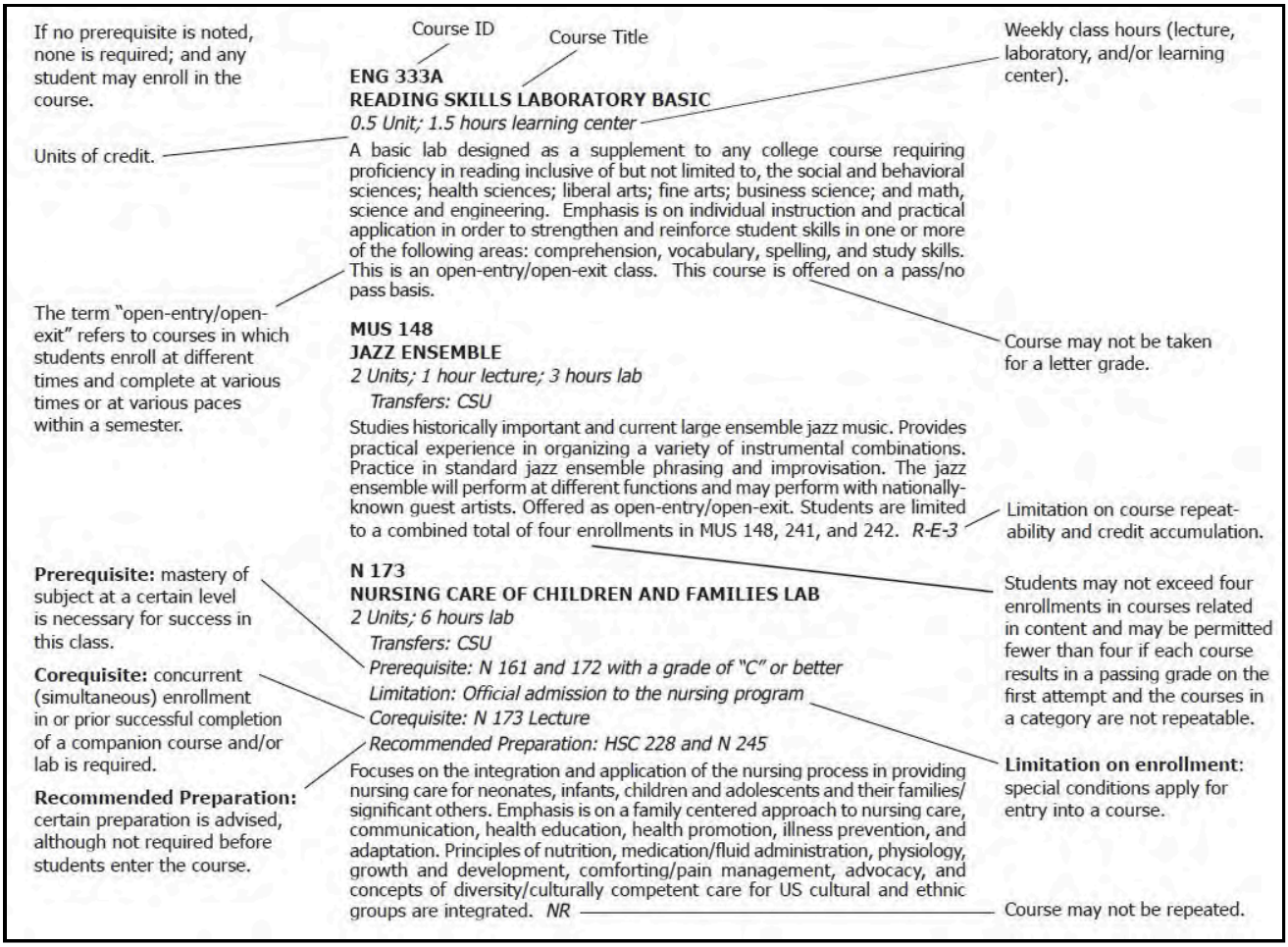
Required Core: **Hours** 199.20

AEWP 783NC	COMMUNICATION IN THE WORKPLACE	49.80
AEWP 786NC	CAREER GOALS AND JOB EXPLORATION	49.80
AEWP 787NC	CAREER PLANNING AND JOB SEARCH	49.80
AEWP 788NC	INTRODUCTION TO EMPLOYABILITY SKILLS	49.80

Total: 199.20

Information About Courses

How To Read Course Descriptions



Course Numbering System Defined

Unless exceptions are noted following the course description in the college catalog, the following numbering system governs the applicability of courses toward completion of programs.

Grade Point Averages (GPA) are computed on degree applicable courses numbered 1 through 299.

COURSE NUMBER RANGE	COURSE NUMBER RANGE DESCRIPTION
1-299	Courses intended for certificates, associate degrees, occupational skills awards, and transfer purposes.
1-99	Courses which are parallel to baccalaureate-level courses that generally transfer to both CSU and UC. Exceptions to this rule are noted following the course description; in such cases, students should refer to the UC Course Agreement for details regarding credit limitations. UC transferable courses do not necessarily apply toward major credit. Students should consult a counselor and/or visit www.assist.org for information about course articulation for a particular major.
100-199	Courses which are parallel to baccalaureate-level courses that generally transfer to CSU but not to the UC.

COURSE NUMBER RANGE	COURSE NUMBER RANGE DESCRIPTION
200-299	Courses that are typically intended for certificate and associate degree programs or for skill development related to both basic skills and employment. Courses from several disciplines may be offered in this category of interest and provide value to all ages, but particularly to the mid-life and older-adult student. Course content is related to both skill development and acquisition of knowledge for second-career and personal development. These courses may occasionally carry transfer credit to four-year institutions; however, the receiving institution makes the determination whether to accept the course.
300-399	Basic skills courses. Courses in this range completed Fall 1988 and later are not applicable to associate degrees or certificates, nor do they carry transfer credit to four-year institutions. These courses do not count toward the 60-unit requirement for graduation and are not used in calculating students' grade point averages for associate degrees or certificates. A state-imposed restriction limits students to taking no more than 30 units of basic skills courses.
400-499	Courses which generally provide vocational training but are not degree applicable. Many of these courses are open-entry/open-exit and/or are scheduled for less than a full semester.
500-599	Courses that are typically designed for older adults. These courses do not apply toward degrees or certificates and do not carry transfer credit to four-year institutions.
700-799	Courses which generally provide Adult Education. These courses are noncredit and not degree applicable.
800-999	Courses which generally provide learning center hours that require concurrent enrollment in a designated course. These courses are traditionally offered in conjunction with English as a Second Language (ESL) courses to provide enhancement and practice skills in the associated course.
CXXXX	Courses are degree applicable and are baccalaureate-level courses that generally transfer to both CSU and UC. Course numbers that begin with a "C" followed by a four-digit number (for example, C1000) indicate the course shares the same prefix/subject and course number at all California Community Colleges and is comparable at all campuses. If a student has completed a CXXXX course at another California community college they do not need to take the same course again at Saddleback College. For full details, see the CCCCO Common Course Numbering Project page.

Course Standards and Expectations

In a lecture class, the preponderance of the student's work is done outside of class — e.g., reading, working on assignments, writing papers, preparing for class, and/or performing other required homework or coursework. A typical three-unit lecture class requires at least six additional hours of student work per week.

In a laboratory class, the majority of the student's work is done in class. A lab class may require additional hours of student work per week.

In a learning center, virtually all of the student's work may be done in class.

In all cases, students carrying a full-time class load of 15 units should expect average workloads of 45 hours per week, inclusive of time spent in class.

Prerequisite, Corequisites, Limitations, and Recommended Preparations

(Title 5 §55000 Article 1)

Prerequisites, Corequisites, and Limitations on Enrollment are enforced as conditions of enrollment. Failure to comply with these stated requirements may result in a student being involuntarily dropped from a course in accordance with Title 5.

Prerequisite means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. In accordance with Title 5 prerequisite courses must be completed with a satisfactory grade (defined as A, B, C, P, or CR in section 55023) in order to enroll in the course requiring the prerequisite. State laws require the enforcement of prerequisites therefore a student will be blocked from enrolling or dropped from a course if the student has not met the stated prerequisite. As of Fall 1995, any student enrolling in a designated course with a prerequisite must show evidence of completion of the prerequisite

course or the equivalent with a satisfactory grade or complete the appeals process. For further information, contact the Matriculation Office.

Corequisite means a condition of enrollment that requires a student to concurrently enroll in one course as a condition of enrollment in another course. Corequisites are enforced and a student will be blocked from enrolling in a course if they do not simultaneously enroll in its stated corequisite course.

Limitation on Enrollment means a condition of enrollment which limits how students qualify for a particular course or program. Limitations on enrollment include auditions, physical examination by a doctor, and/or admission to particular program. Limitations on enrollment are enforced and a student will be blocked from enrolling if the stated limitation has not been met.

Advisory or Recommended Preparation means a condition of enrollment that a student is advised, but not required, to meet prior to or in conjunction with enrollment in a course or education program. Students who have had training or experience which they feel is equivalent to the recommended preparation may enroll in the course level appropriate with their experience. Concerns about enrolling in courses with recommended preparation should be discussed with the instructor, dean, or a counselor.

Repeatable Course Models

(Also see Course Repeatability and Repetition in the Registration and Academic Regulations sections of this catalog)

State regulations (Title 5, sections 55040-55045) restrict the number of times a student may enroll in a course within a community college district. Most credit courses are designated as "non-repeatable" in accordance with Title 5 thereby limiting students to a single enrollment if the student receives a satisfactory grade (A, B, C, P, or CR) or an Incomplete; if a student received a substandard grade (D, F, or NP (NC)) in a non-repeatable course they may enroll in the course again to alleviate that substandard grade. Students are limited to a maximum of three enrollments in non-repeatable courses. Any enrollments beyond the student's initial enrollment are only permitted to alleviate a substandard grade; once a satisfactory grade has been earned the student will be ineligible to enroll in the course again. A student may request to have the substandard grade disregarded in the computation of their GPA by submitting a Request for Transcript Repeat Notation to the Office of Admissions and Records; see the Academic Regulations section of this catalog for more information.

For exceptions to these rules — including significant lapse of time, extenuating circumstances, legally mandated training, significant change in industry or licensure standards, and special classes for students with disabilities — see Repeatability and Repetition in the Academic Regulations section of this catalog.

Those courses that do allow for more than one enrollment are designated with an "R" code (R-A, R-E, R-I, or R-99) at the end of the course description as well as a number, which specifies the maximum number of times a student may enroll in a course. For example, "*R-E-3*" means that after the initial enrollment a student is permitted to enroll a maximum of three additional times. Students registering in a course not identified as repeatable or repeating a course more often than permissible will be withdrawn from the course.

Once a student has taken a more advanced course they cannot go back and repeat a lower-level course.

Repeatable models are as follows:

Model A (R-A): These are separate and distinct courses in a skill-building sequence. Any combination of courses within the sequence (beginning, intermediate, advanced) may be taken a maximum of four times combined.

Model E (R-E): A course with this designation has one course number and title but has a different syllabus each time it is offered. The course may be taken a specified number of times (not to exceed four) to afford development through supervised practice or group assignments.

Model I (R-I): These courses often have a number of versions with varying unit values. A student may repeat the course up to the maximum number of units as specified in the course description in the catalog.

R-99: Non-credit courses; these primarily include continuing education courses for older adults (Emeritus Institute).

NR: The course may not be repeated.

Enrollment Limitations for Active Participatory Courses That Are Related in Content

In accordance with Title 5 § 55040(c) students are limited to a maximum of four enrollments in a given group of active participatory courses, as defined in section 55000, in the areas of 1) physical education, 2) visual arts or 3) performing arts when such courses are determined to be related in content.

All enrollments in courses identified as related in content in the tables below count toward the maximum limitation of four enrollments per category. The limitation of four enrollments in a category applies even if a student receives a substandard grade or "W" during one or more of the enrollments in a designated course or petitions for repetition due to extenuating circumstances as provided in Title 5 § 55045. The limitation applies even if one or all of the courses in a category is designated as repeatable. The limitation applies district-wide, so if a student takes a comparable course at Irvine Valley College it will count against his or her four enrollments in a given category. Finally, the four enrollment limitation in a category is enforced across all previous enrollments.

For example, the Ballet category in the Dance table is comprised of five courses related in content: Introduction to Ballet, Ballet Dancing Level I, Intermediate Ballet, Pointe Ballet, and Advanced Ballet. Under the current guidelines students are limited to four total aggregate enrollments in these five courses. Examples of ways a student might utilize these four total aggregate enrollments permissible in the Ballet category include: 1) a student may enroll in four courses out of the five courses in the Ballet category one time each; 2) the student could enroll in Intermediate Ballet once, Pointe Ballet once, and Advanced Ballet twice if they possess the necessary skill level to begin beyond the introductory stage; or 3) because Advanced Ballet is repeatable three times a student could potentially use all four enrollment allocations for just that course. Regardless of whether the student uses all four enrollments in one course, one enrollment in each of four courses, or four enrollments in some combination of courses, he or she may not exceed a maximum of four enrollments in courses within the Ballet category.

The organization of courses related in content into the categories identified in the tables below was approved by Saddleback College's Curriculum Committee following consultation with the respective department chairs.

Active Participatory Courses

ART	
Category	Courses
Ceramics - Handbuilding	ART 10, ART 14 (formerly ART 114; formerly ART 216), ART 15 (formerly ART 115; formerly ART 217)
Ceramics - Wheel	ART 11, ART 12, ART 13
Drawing	ART 80, ART 81, ART 82
Drawing from the Live Model	ART 85, ART 86, ART 87
Metalsmithing and Jewelry	ART 171 (formerly ART 228), ART 172 (formerly ART 229), ART 173 (formerly ART 230), ART 174 (formerly ART 231)
Painting	ART 50, ART 51, ART 52, ART 250 (no longer offered effective Fall 2022)
Painting from the Live Model	ART 53, ART 54
Relief Printmaking	ART 60, ART 61, ART 62, ART 164
Watercolor	ART 57, ART 58, ART 59, ART 161 (formerly ART 261)

DANCE	
Category	Courses
Aerobics	KNES 1, KNES 3, KNES 7, KNES 50, DANC 77 (no longer offered effective Fall 2024; formerly DANC 177)
African Dance	DANC 82 (formerly DANC 182), DANC 83 (formerly DANC 183)
Ballet	DANC 51, DANC 52, DANC 53, DANC 67, DANC 71 (formerly DANC 171)

DANCE	
Choreography	DANC 9, DANC 19
Dance Rehearsal & Performance	DANC 10, DANC 11, DANC 12 (formerly DANC 112), DANC 14 (formerly DANC 114)
Hip Hop	DANC 78 (formerly DANC 178), DANC 79, DANC 80, DANC 81
Jazz Dance	DANC 57, DANC 58, DANC 59, DANC 73 (formerly DANC 173)
Latin Dance	DANC 66, DANC 70 (formerly DANC 170)
Modern Dance	DANC 54, DANC 55, DANC 56, DANC 72 (formerly DANC 172)
Pilates/Conditioning	KNES 9, DANC 63, TA 63 (no longer offered effective Fall 2003), KNES 65/DANC 65 (DANC 65 no longer offered effective Fall 2021), KNES 38/DANC 38 (formerly KNES/DANC 138) (DANC 38 no longer offered effective Fall 2021)
Repertory	DANC 15 (formerly DANC 115), DANC 16 (formerly DANC 116), DANC 17, DANC 18
Social Dance	DANC 68, DANC 69 (formerly DANC 169)
Tap	DANC 60, DANC 61, DANC 62, DANC 75 (formerly DANC 175)
Yoga	KNES 28, KNES 39 (formerly KNES 139), KNES 40, DANC 28 (formerly DANC 128)

KINESIOLOGY	
Category	Courses
Aerobics	KNES 1, KNES 3, KNES 7, KNES 50, DANC 77 (no longer offered effective Fall 2024; formerly DANC 177)
Athletic Training	KNES 56, KNES 59 (formerly KNES 159)
Baseball	KNES 79, KNES 82 (no longer available as of Fall 2020)
Basketball	KNES 70, KNES 71
Bowling	KNES 17, KNES 18
Cycling/Spinning	KNES 15 (formerly KNES 115), KNES 19
Fitness Training	KNES 2, KNES 10 (formerly KNES 110), KNES 31, KNES 66, KNES 130, KNES 131
Football	KNES 11, KNES 12, KNES 13, KNES 80 (no longer offered effective Fall 2017)
Golf	KNES 20, KNES 21, KNES 22, KNES 23
Kickboxing	KNES 8, KNES 16 (formerly KNES 116)
Martial Arts	KNES 90, KNES 91 (formerly KNES 191), KNES 93 (no longer offered effective Fall 2024), KNES 97 (no longer offered effective Fall 2024; formerly KNES 197), KNES 199
Pep Squad	KNES 57, KNES 58 (formerly KNES 158)
Pickleball	KNES 187, KNES 188, KNES 190
Pilates/Conditioning	KNES 9, DANC 63, TA 63 (no longer offered effective Fall 2003), KNES 65/DANC 65 (DANC 65 no longer offered effective Fall 2021), KNES 38/DANC 38 (formerly KNES/DANC 138) (DANC 38 no longer offered effective Fall 2021)
Rock Climbing	KNES 63, KNES 88 (formerly KNES 100), KNES 89 (formerly KNES 101)
Soccer	KNES 72, KNES 73, KNES 175
Surfing	KNES 33, KNES 34, KNES 35, KNES 36

KINESIOLOGY	
Swimming	KNES 41, KNES 42, KNES 43, KNES 44, KNES 49
Tennis	KNES 24, KNES 25, KNES 26, KNES 27
Volleyball	KNES 76, KNES 77, KNES 78, KNES 81, KNES 84 (formerly KNES 184), KNES 85 (formerly KNES 185)
Walking/Hiking	KNES 68, KNES 69, KNES 86 (formerly KNES 186)
Weight Lifting	KNES 4, KNES 5, KNES 6
Yoga	KNES 28, KNES 39 (formerly KNES 139), KNES 40, DANC 28 (formerly DANC 128)

MUSIC	
Category	Courses
Chamber Music	MUS 63, MUS 66 (no longer offered effective Fall 2019), MUS 166, MUS 167, MUS 168, MUS 169, MUS 266 (no longer offered effective Fall 2016)
Choral/Orchestral Ensembles	MUS 31 (no longer offered effective Fall 2017), MUS 32, MUS 33, MUS 134 (formerly MUS 234; no longer offered effective Fall 2025), MUS 232 (no longer offered effective Fall 2017), MUS 233 (no longer offered effective Fall 2017)
Commercial Music Ensembles	MUS 39 (formerly MUS 122), MUS 182, MUS 184, MUS 187
Functional Skills	MUS 150 (formerly MUS 202), MUS 151 (formerly MUS 203), MUS 176, MUS 177
Guitar	MUS 60, MUS 61, MUS 62, MUS 171 (formerly MUS 260), MUS 173
Harpsichord	MUS 86 (formerly MUS 106), MUS 87 (formerly MUS 107), MUS 88 (formerly MUS 108), MUS 89 (formerly MUS 109)
Jazz Big Band	MUS 47, MUS 146 (formerly MUS 246)
Jazz Combos	MUS 140 (formerly MUS 240), MUS 197 (formerly MUS 297)
Jazz Ensemble	MUS 147 (formerly MUS 242), MUS 148, MUS 149 (formerly MUS 241)
Jazz Improv	MUS 46, MUS 140 (formerly MUS 240), MUS 190
Jazz Piano	MUS 112A (formerly MUS 252; formerly MUS 252A), MUS 112B (formerly MUS 252B), MUS 112C (formerly MUS 252C)
Keyboard Literature	MUS 58, MUS 78 (formerly MUS 180), MUS 181, MUS 253 (no longer offered effective Fall 2018), MUS 255 (no longer offered effective Fall 2018), MUS 257 (no longer offered effective Fall 2018)
Music Production	MUS 118, CTVR 118 (formerly CA 118; no longer offered effective Fall 2014), MUS 130, MUS 131, MUS 132
Musicianship	MUS 92, MUS 93, MUS 94 (formerly MUS 194)
Organ	MUS 96 (formerly MUS 102), MUS 97 (formerly MUS 103), MUS 98 (formerly MUS 104), MUS 99 (formerly MUS 105)
Piano	MUS 54A (formerly MUS 54), MUS 54B, MUS 55A (formerly MUS 55), MUS 55B, MUS 56
Piano Ensemble	MUS 64, MUS 65
Piano Pedagogy	MUS 156 (formerly MUS 256), MUS 178, MUS 179
Professional Development for Musicians	MUS 152 (formerly MUS 206), MUS 153 (formerly MUS 207), MUS 154 (formerly MUS 208), MUS 155 (formerly MUS 209)

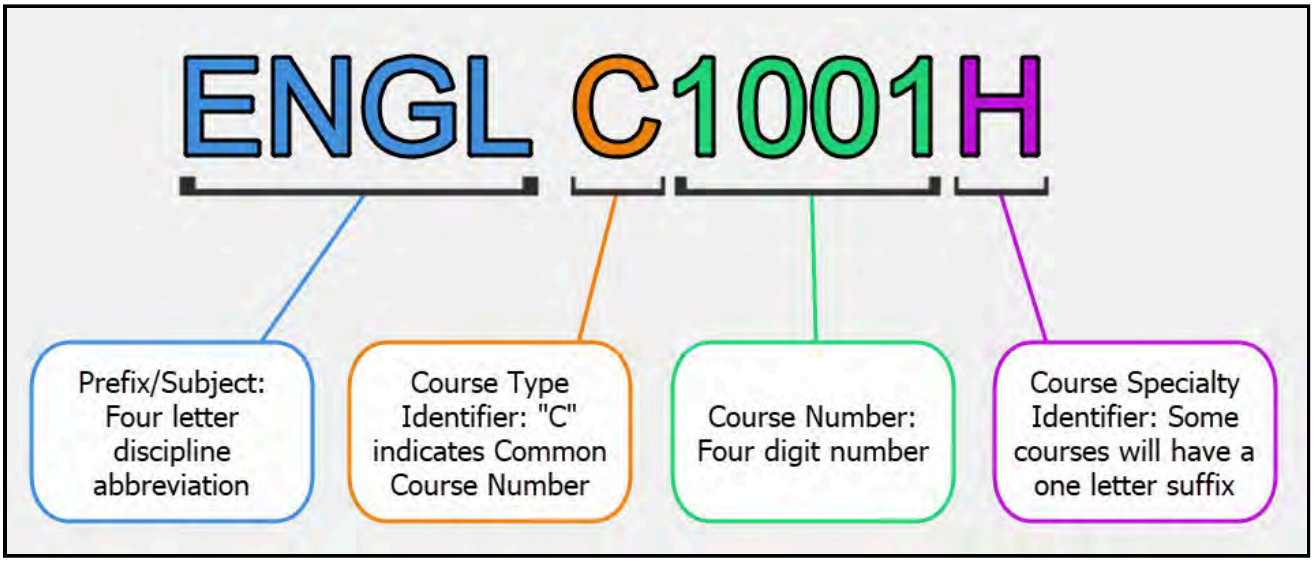
MUSIC	
Vocal Ensemble	MUS 34, MUS 35
Voice	MUS 80, MUS 81, MUS 82

THEATRE ARTS	
Category	Courses
Acting and Scene Study	TA 1, TA 2, TA 3, TA 4, TA 5 (no longer offered effective Fall 2014)
Advanced Acting Techniques	TA 11, TA 14, TA 35, SP 35 (no longer offered effective Fall 2010), TA 136, TA 190 (formerly TA 7; formerly TA 290)
Audition and Interview Techniques	TA 108, TA 111 (formerly TA 211) no longer offered effective Fall 2021, TA 116 (formerly TA 214) no longer offered effective Fall 2020
Musical Theatre Study	TA 10, TA 107 (formerly TA 210), TA 212 (no longer offered effective Fall 2017)
Rehearsal and Performance	TA 15, TA 16, TA 17, TA 18 (no longer offered effective Fall 2017), TA 19, TA 113, TA 125 (no longer offered effective Fall 2021)
Theatre Interpretation	COMM 30 (formerly SP 30), TA 30 (no longer offered effective Fall 2015), COMM 32 (formerly SP 32), TA 32 (no longer offered effective Fall 2015)

Common Course Numbering (CCN)

Common Course Numbering Explained

The Common Course Numbering (CCN) System is a state-mandated initiative (AB1111) aimed at streamlining student transfer by utilizing uniformity in course numbers across California Community Colleges. The CCN system assigns the same course prefix/subject and number to comparable courses across all California community colleges. Effective Fall 2025 Saddleback College will begin offering courses that follow the new common course numbering system.



All CCN courses utilize the following structure:
Prefix/Subject: Four letter discipline abbreviation (e.g., ENGL for English)
Course Type Identifier: C = Common Course Number (only course numbers that begin with a "C" are considered common courses that are transferable to any other California Community College)
Course Number: four digit number (e.g. 1000)
Course Specialty Identifier: H = Honors, L = Lab, S = Support

For example, ENGL C1000H is a common course that is offered statewide by California Community Colleges as ENGL C1000H. In comparison, Saddleback College's ENG 3 (which does not utilize the "C" identifier) is a local course that does not automatically transfer to another California Community College campus. For more information regarding transfer credit, please see a counselor.

Common Course Numbering Cross Walk Chart

EFFECTIVE TERM	OLD COURSE NAME (SADDLEBACK COURSE NUMBERING)	NEW COURSE NAME (COMMON COURSE NUMBERING)
Phase 1 - Fall 2025	COMM 1 Communication Fundamentals	COMM C1000 Introduction to Public Speaking
Phase 1 - Fall 2025	COMM 1H Honors Communication Fundamentals	COMM C1000H Introduction to Public Speaking - Honors
Phase 1 - Fall 2025	ENG 1A Principles of Composition I	ENGL C1000 Academic Reading and Writing
Phase 1 - Fall 2025	ENG 1AH Honors Principles of Composition I	ENGL C1000H Academic Reading and Writing - Honors
Phase 1 - Fall 2025	ENG 1B Principles of Composition II	ENGL C1001 Critical Thinking and Writing

EFFECTIVE TERM	OLD COURSE NAME (SADDLEBACK COURSE NUMBERING)	NEW COURSE NAME (COMMON COURSE NUMBERING)
Phase 1 - Fall 2025	ENG 1BH Honors Principles of Composition II	ENGL C1001H Critical Thinking and Writing - Honors
Phase 1 - Fall 2025	PS 1 American Government	POLS C1000 American Government and Politics
Phase 1 - Fall 2025	PS 1H Honors American Government	POLS C1000H American Government and Politics - Honors
Phase 1 - Fall 2025	PSYC 1 Introduction to Psychology	PSYC C1000 Introduction to Psychology
Phase 1 - Fall 2025	PSYC 1H Honors Introduction to Psychology	PSYC C1000H Introduction to Psychology - Honors
Phase 1 - Fall 2025	MATH 10 Introduction to Statistics	STAT C1000 Introduction to Statistics
Phase 1 - Fall 2025	(not previously offered)	STAT C1000H Introduction to Statistics - Honors
Phase 2 - Fall 2026	ANTH 1 Biological Anthropology	ANTH C1001 Introduction to Biological Anthropology
Phase 2 - Fall 2026	ANTH 1H Honors Biological Anthropology	ANTH C1001H Introduction to Biological Anthropology - Honors
Phase 2 - Fall 2026	ANTH 1L Biological Anthropology Laboratory	ANTH C1001L Biological Anthropology Lab
Phase 2 - Fall 2026	ARTH 25 Survey of Art History - Ancient Worlds to Gothic	ARTH C1100 Survey of Art from Prehistory to the Medieval Era
Phase 2 - Fall 2026	ARTH 26 Survey of Western Art History - Renaissance to Contemporary	ARTH C1200 Survey of Art from the Renaissance to Contemporary
Phase 2 - Fall 2026	ASTR 20 General Astronomy	ASTR C1001 Introduction to Astronomy
Phase 2 - Fall 2026	BIO 20 Introduction to Biology	BIOL C1000 Introduction to Biology with Lab
Phase 2 - Fall 2026	CDE 7 Child Growth and Development	CDEV C1000 Child Growth and Development
Phase 2 - Fall 2026	COMM 5 Interpersonal Communication	COMM C1004 Interpersonal Communication
Phase 2 - Fall 2026	ECON 4 Principles (Micro)	ECON C2001 Principles of Microeconomics
Phase 2 - Fall 2026	ECON 4H Honors Principles of Microeconomics	ECON C2001H Principles of Microeconomics - Honors
Phase 2 - Fall 2026	ECON 2 Principles (Macro)	ECON C2002 Principles of Macroeconomics
Phase 2 - Fall 2026	ECON 2H Honors Principles of Macroeconomics	ECON C2002H Principles of Macroeconomics - Honors
Phase 2 - Fall 2026	ENG 25 Introduction to Literature	ENGL C1002 Introduction to Literature
Phase 2 - Fall 2026	ENG 25H Honors Introduction to Literature	ENGL C1002H Introduction to Literature - Honors

EFFECTIVE TERM	OLD COURSE NAME (SADDLEBACK COURSE NUMBERING)	NEW COURSE NAME (COMMON COURSE NUMBERING)
Phase 2 - Fall 2026	HIST 16 History of the United States to 1876	HIST C1001 United States History to 1877
Phase 2 - Fall 2026	HIST 17 History of the United States since 1876	HIST C1002 United States History since 1865
Phase 2 - Fall 2026	MATH 3A Analytic Geometry and Calculus	MATH C2210 Calculus I: Early Transcendentals
Phase 2 - Fall 2026	MATH 3AH Honors Analytic Geometry and Calculus	MATH C2210H Calculus I: Early Transcendentals - Honors
Phase 2 - Fall 2026	MATH 3B Analytic Geometry and Calculus	MATH C2220 Calculus II: Early Transcendentals
Phase 2 - Fall 2026	SOC 1 Introduction to Sociology	SOCI C1000 Introduction to Sociology
Phase 2 - Fall 2026	SOC 1H Honors Introduction to Sociology	SOCI C1000H Introduction to Sociology - Honors

Courses

Credit Courses

Note: subjects with an "*" also contain Common Course Numbering courses (CXXXX).

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Accounting [ACCT]

ACCT 1A FINANCIAL ACCOUNTING
4.0 Units 4.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics are covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ACCT 110

ACCT 1B MANAGERIAL ACCOUNTING
4.0 Units 4.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: ACCT 1A

The study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. Includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs and capital budgeting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ACCT 120

ACCT 120 INTRODUCTION TO FINANCIAL PLANNING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Major topics include money and credit management, comprehensive insurance coverage, and analyzing and developing management tools and strategies for personal investing. Covers investing in common and preferred stock, government and corporate bonds, mutual funds, real estate, and other financial securities. Lifelong financial planning, pension, retirement, and estate planning issues are addressed. Covers the structure and operation of financial markets as well as financial and investment information gathering. The effects of achieving/not achieving financial security on psychological and physiological health are examined.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 180WE ACCOUNTING WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Recommended Preparation: ACCT 1A and 1B
Hands-on accounting career experience through cooperative work experience with community business and organizations. Students are placed in temporary work assignments that represent work performed by accounting professionals. Student, instructor, and employer will develop a minimum of three learning objectives. (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ACCT 202A INTERMEDIATE ACCOUNTING I
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1A

Recommended Preparation: ACCT 1B
Review of fundamental accounting processes; in-depth studies of working capital involving cash and temporary investments, receivables, inventory evaluation procedures and current liabilities; stock investments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 202B INTERMEDIATE ACCOUNTING II
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1A

Recommended Preparation: ACCT 202A
Continued in-depth studies of noncurrent assets and liabilities including investments in bonds, bond redemption funds; plant and equipment acquisition; use and retirement problems; paid-in capital and retained earnings; analytical processes relating to statement analysis, comparative data, ratios, and measurements; funds-flow and cost-flow reporting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 203 COST ACCOUNTING
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1B

Survey of cost accounting; job-order, process, and standard cost concepts; emphasis on costing methods for materials, labor, and factory overhead; preparation and analysis of financial statements rendered from cost data.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 209 ACCOUNTING APPLICATIONS: QUICKBOOKS
3.0 Units 3.00 hours Lecture

Recommended Preparation: ACCT 1A and CIMA 223A
This course introduces students to the use of QuickBooks, a leading accounting software package, to design and maintain an effective accounting system. Students will complete the full accounting cycle, including inputting accounting transactions, preparing payroll, posting adjustments, creating accurate financial statements, and analyzing reports. Special attention is given to internal controls, audit trails, and the integration of computerized accounting practices into real-world business environments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 210 ACCOUNTING ETHICS
4.0 Units 4.00 hours Lecture
Prerequisite: ACCT 1B

Recommended Preparation: Acct 202A and Acct 275
Designed to expose students to a comprehensive coverage of ethical and professional issues encountered by accounting professionals. Prepares students to meet part of the Ethics requirement for becoming a Certified Public Accountant in the State of California. Primarily focuses on ethics pertaining to the Accounting profession. Study of the ethical framework includes the American Institute of Certified Public Accountants (AICPA) Code of Professional Ethics, Audit Responsibilities and Accounting Fraud, Legal and Regulatory Obligations, Earnings Quality, Corporate Governance, and International Financial Reporting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 215 GENERAL ACCOUNTING
3.0 Units 3.00 hours Lecture

Basic theory and principles of elementary accounting applicable to a single-proprietorship business. Practical application of accounting theory to the accounting cycles of service and merchandising business enterprises: bookkeeping practice; debit and credit practice; books of original entry; ledgers, working papers, adjusting and closing entries; income statement, balance sheet, and statement of owners equity, cash, payroll, special journals, merchandising firms. Recommended for students needing a bookkeeping foundation before enrolling in ACCT 1A, and for retailing, sales and merchandising, and office administration majors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 216 INDIVIDUAL INCOME TAX
4.0 Units 4.00 hours Lecture

Recommended Preparation: ACCT 1A
Federal income tax rules and regulations. Practical applications of the Internal Revenue Code and regulations pertaining to the taxation of individuals are presented.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 217 PARTNERSHIP AND CORPORATE TAXATION
3.0 Units 3.00 hours Lecture

Recommended Preparation: ACCT 1A and 216
Designed to provide an introduction to Federal and California state corporate and partnership income tax rules and regulations. Practical applications of the Internal Revenue Code and Franchise Tax Board rules and regulations pertaining to the taxation of partnerships and corporations are presented.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 221 ACCOUNTING INFORMATION SYSTEMS
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1B

Familiarization with accounting information systems development process including analysis, design, development, and implementation. Automation of accounting information systems studied through the use and application of computers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 235 ENTREPRENEURIAL ACCOUNTING
3.0 Units 3.00 hours Lecture

Basic accounting course for the entrepreneur that provides the participant with financial statement analysis, tax and implications of decision-making. Assist in determining financing needs and options to facilitate continued operations as well as future growth. Assist in determining the appropriate computer hardware and software system necessary for the accounting needs of the business. The student will learn the necessary skills to use accounting software to set up accounts and manage the financial aspect of the business.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 261 FINANCIAL STATEMENT ANALYSIS
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1A

Recommended Preparation: ACCT 1B
Course is designed to enhance core skills in analyzing financial statements and utilizing them to evaluate a company's financial health and value. The course focuses on the examination of key external reports such as 10-K,10-Q, and 8-K filings. Emphasis will be placed on strategic ratio analysis, cash flow analysis, forecasting, pro forma financial statements, and firm valuation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 275 AUDITING
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 1B

Recommended Preparation: ACCT 202A
Examines the use of financial statement audits and details the audit process. Topics include professional responsibilities of auditors, audit design, sampling approaches, substantive testing, and testing controls.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ACCT 276 ACCOUNTING FRAUD EXAMINATION
3.0 Units 3.00 hours Lecture
Prerequisite: ACCT 202A

Subjects covered by this course include areas associated with modern forensic accounting and fraud examination. Topics include an examination of the various types of occupational fraud, as well as the techniques to prevent and detect fraud in organizations. Students will gain an understanding of the principals of fraud examination including the types of persons that commit fraud and the reasoning they may have to do so.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

American Sign Language [SL]

SL 1 AMERICAN SIGN LANGUAGE I
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ENGL C1000 or ENGL C1000H
Beginning study of American Sign Language (ASL) fundamentals emphasizing comprehension skills, basic information relating to Deaf culture, and beginning grammatical structure. Provider-approved by the California Board of Registered Nursing, Provider Number CEP60.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 2 AMERICAN SIGN LANGUAGE II
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SL 1 with a grade of "C" or better , or 2 years of High School ASL with a grade of "C" or better.

Continuing study of American Sign Language (ASL) fundamentals emphasizing comprehension skills, intermediate grammatical structures, beginning practice in expressive aspects of the language, and exposure to deaf culture. Provider-approved by the California Board of Registered Nursing, Provider Number CEP60.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 3 AMERICAN SIGN LANGUAGE III
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SL 2 with a grade of "C" or better

Continuation of American Sign Language (ASL) shifting focus from comprehension to sign production. Includes advanced grammatical structures, with emphasis on advanced expressive skills. Provider-approved by the California Board of Registered Nursing, Provider Number CEP60.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 4 AMERICAN SIGN LANGUAGE IV
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SL 3 with a grade of "C" or better

Emphasizing advanced expressive/conversational skills in American Sign Language (ASL). Develops fluency and a continued focus on grammatical and cultural features. Provider-approved by the California Board of Registered Nursing, Provider Number CEP60.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 10 DEAF CULTURE AND ITS HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Designed for those interested in sociology of deafness as it relates to the culture of people in the community. Emphasizes the history and evolution of education of the Deaf community.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 121 AMERICAN SIGN LANGUAGE INTERPRETING I
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: SL 4
Corequisite: SL 221

A continued review and refinement of advanced language principles. Explore the history and development of the field of interpreting. Examines the role of the interpreter and ethical standards. Application of critical thinking skills, self-analysis and professional ethics to the role of the interpreter. Includes working in multicultural settings with people with multiple disabilities, in both formal and informal settings from voice to sign (English to ASL) and sign to voice (ASL to English).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 122 AMERICAN SIGN LANGUAGE INTERPRETING II
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: SL 121 and SL 221
Corequisite: SL 222
Provides students with advanced interpreting skill placing greatest emphasis on interpreting in various settings from voice to sign (English to ASL) and sign to voice (ASL to English). Helps prepare students for entry-level employment as a sign language interpreter.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 211 ASL FOR HEALTHCARE AND MEDICAL PERSONNEL
3.0 Units 3.00 hours Lecture

This course will teach you the basic vocabulary and basic phrases needed to communicate directly with the Deaf/ hard-of-hearing patient. This course will prepare healthcare professionals to provide basic communication skills in ASL to Deaf and hard of hearing patients in medical office settings and in hospitals. No prior knowledge of ASL necessary. Please note: this course does not replace the importance of qualified ASL Interpreters in the medical exam room/setting, instead this course is designed to help communication with Deaf and hard of hearing patients during standard procedures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 221 AMERICAN SIGN LANGUAGE INTERPRETING LAB I
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Prerequisite: SL 4
Corequisite: SL 121
Recommended Preparation: ENGL C1000 or ENGL C1000H
Provides beginning practice and review for interpreting for the Deaf in a variety of settings. Emphasis will be placed on advanced ASL grammar, structure and vocabulary.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SL 222 AMERICAN SIGN LANGUAGE INTERPRETING LAB II
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Prerequisite: SL 121
Corequisite: SL 122
Provide intermediate practice in interpreting for the Deaf.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Anthropology [ANTH] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

ANTH C1001 INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. Credit for ANTH C1001 or ANTH C1001H, but not both. Formerly offered as ANTH 1.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 110

ANTH C1001H INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. This is an honors course. Credit for either ANTH C1001 or ANTH C1001H, but not both. Formerly offered as ANTH 1H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 110

ANTH C1001L BIOLOGICAL ANTHROPOLOGY LAB
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC
Corequisite: Successful completion of or concurrent enrollment in ANTH C1001 or ANTH C1001H
In this laboratory course, students investigate the anatomy, genetics, behavior, variation, and evolution of humans and other primates. Students apply the scientific method and use interactive exercises in this course supplement to the Introduction to Biological Anthropology lecture course. Formerly offered as ANTH 1L.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 115L

ANTH 2 CULTURAL ANTHROPOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the anthropological concepts, theories, and methods used in the comparative study of culture, with an emphasis on understanding and appreciating human diversity. The course explores the differences and similarities in cultures around the world related to family and kinship, ritual and religion, economic and political organization, social inequity, gender and sexuality, race and ethnicity, cultural change, and the impact of colonialism and globalization. Credit for either ANTH 2 or ANTH 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 120

ANTH 2H HONORS CULTURAL ANTHROPOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the anthropological concepts, theories, and methods used in the comparative study of culture, with an emphasis on understanding and appreciating human diversity. The course explores the differences and similarities in cultures around the world related to family and kinship, ritual and religion, economic and political organization, social inequity, gender and sexuality, race and ethnicity, cultural change, and the impact of colonialism and globalization. This honors course will be enriched through limited class size, seminar format, and an extensive research project. Credit may be earned for either ANTH 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 120

ANTH 3 CULTURE AND LANGUAGE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ANTH 2
An examination of the complex relationship between culture and language from an anthropological perspective. Topics include the structure of language, language acquisition in cultural context, the origin and evolution of language, bilingualism and multilingualism, non-verbal communication, language change, linguistic diversity, and language loss and revitalization.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 130

ANTH 4 INTRODUCTION TO NATIVE AMERICAN STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the field of Native American Studies focusing on the histories, cultures, identities, and contemporary concerns of Indigenous peoples in North America, with a particular emphasis on the United States. Topics include colonialism, tribal sovereignty, historiography, popular representation, economic development, environmental justice, urbanization, ethnic identity, racialization, language, belief systems, and cultural diversity. Also listed as ES 4. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ANTH 5 ANTHROPOLOGY OF LATIN AMERICA - CULTURE, IDENTITY, AND POWER
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An overview of key issues in the anthropology of Latin America, with an emphasis on cultural practices, identity formation, and the exercise of power. Major themes include the intersection of race, class and gender; violence and terror; forms of transgression; and resistance and change.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ANTH 8 WORLD PREHISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the archaeology and prehistory of humankind from the earliest traces of hominin evolution to the emergence of state-level societies. Explores several key developments such as the domestication of plants and animals, the rise of social complexity, and the development of new technologies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ANTH 9 INTRODUCTION TO ARCHAEOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the concepts, theories, data, and models of anthropological archaeology that contribute to our knowledge of the human past. Includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ANTH 150

ANTH 13 MAGIC, WITCHCRAFT, AND RELIGION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the anthropological study of religious beliefs and practices. The course examines several key topics in the study of religion such as mythology, symbolism, ritual, healing practices, altered states of consciousness, magic, and witchcraft, as well as the impact of religion on society, politics, and economics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ANTH 19 FORENSIC ANTHROPOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ANTH C1001 or ANTH C1001H
An introduction to the methods, techniques, and procedures of forensic anthropology. Topics include human osteology, biological variation, taphonomy, and personal identification in the study of human remains for medico-legal purposes.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ANTH 22 MEDICAL ANTHROPOLOGY - CULTURE, HEALTH, AND HEALING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the cross-cultural study of illness and healing practices. Explores the cultural, historical, political, and economic shaping of illness and examines variation in biomedical and healing systems. Topics covered include understandings of the body, belief systems about the nature and causation of illness, religion and ritual in a healing context, global epidemics, and inequality and health disparities.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Arabic [ARAB]

ARAB 1 ELEMENTARY ARABIC
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in daily spoken Arabic. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Arabic.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARAB 2 ELEMENTARY ARABIC
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ARAB 1 or two years of high school Arabic.

Designed to further the fundamentals of communicative competence in daily spoken Arabic. Although the focus remains on listening, comprehension, and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARAB 3 INTERMEDIATE ARABIC
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ARAB 2 or three years of high school Arabic
The intermediate level course focuses on fluency on reading, writing, speaking, and listening. Continues the study of Arabic culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARAB 4 INTERMEDIATE ARABIC
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ARAB 3 or four years of high school Arabic
Emphasizes fluency in speaking, reading, writing, and comprehension of Arabic. Includes selected readings and discussions from the basic four genres in Arabic and Arabic-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARAB 10 INTERMEDIATE CONVERSATIONAL ARABIC
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ARAB 2 or three years of high school Arabic
Designed to develop fluency in Arabic. The emphasis is on both formal and informal expressions and conversation in Arabic.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARAB 21 INTRODUCTION TO ARABIC CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Traces the development of the culture of Arabic-speaking nations including history, philosophy, political ideas, literature, music, art, science, geography, and customs and its influence on America and the world. Conducted in English. No prior study of the Arabic language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Architecture [ARCH]

ARCH 10 INTRODUCTION TO ARCHITECTURE
2.0 Units 2.00 hours Lecture
Transfers: CSU, UC
Introduction to the professional field of architecture and related fields such as landscape architecture, engineering, construction, and city planning. Presentations by professionals to introduce students to options, requirements and job possibilities in related fields.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 12 HISTORY OF ARCHITECTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
The study of the architecture and environmental achievements of man from the earliest times to the present. Presenting the important buildings, cities, sites, and civilizations of mankind.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 14 CALIFORNIA ARCHITECTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
The study of the architecture and the built environment of California from early times to the present. This course presents the important architects, buildings, cities, sites, development patterns and the overall history of architecture in California.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 18 HUMAN FACTORS DESIGN AND PSYCHOLOGY OF THE BUILT ENVIRONMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
This course will examine the role of human factors and the psychology of the environment as they relate to the use of buildings, landscapes, and urban spaces. The course includes examination of the mix of ecological and human-made systems that make up our ever-changing environment and considers how the built environment shapes social interactions and impacts the health and well-being of individuals.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 34 BASIC ARCHITECTURAL DESIGN I
3.0 Units 1.00 hour Lecture 6.00 hours Lab
Transfers: CSU, UC
Recommended Preparation: ARCH 124A, which may be taken concurrently
Fundamentals of design function; form determinants; the nature, elements, and process of creative environmental design using 2D and 3D studies of space, form, color, and structure.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 42 DESCRIPTIVE DRAWING AND PERSPECTIVE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: ARCH 124A
Basic techniques of graphic communications. Construct 3D drawings, including obliques, isometrics, 1-pt. and 2-pt. perspectives. Construct basic shadows and shade.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 44 ARCHITECTURAL PRESENTATION AND RENDERING
2.0 Units 6.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: ARCH 42 and 124A
Delineate 2D and 3D architectural drawings for presentation. Render three drawings with color, shade, shadows, people, and trees.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 50 INTRODUCTION TO COMPUTER-AIDED DRAFTING
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: ARCH 124A or DR 100
Introductory course covering the operation and application of computer-aided drafting (CAD) systems used to create, modify, store, and plot technical drawings. Also listed as DR 50. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 51 COMPUTER-AIDED DRAFTING
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DR or ARCH 50
An intermediate to advanced level course in the operation and application of computer aided drafting systems, used to create, edit, save, and plot technical 2D and 3D drawings. Also listed as DR 51. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 120 REVIT AND BUILDING INFORMATION MANAGEMENT(BIM)
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ARCH 51 or DR 51
Introduction of 3-dimensional building modeling using Autodesk Revit to provide visualization and method of construction information for architectural design. Building Information Modeling (BIM) will be used to provide detailed construction information and coordination of architecture and engineering in simple and complex building systems. Rendering and presentation techniques using Revit are also introduced. Student needs solid knowledge of computer drafting applications, file management and building construction techniques including building materials and methods of construction.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 121 ADVANCED REVIT AND BUILDING INFORMATION MANAGEMENT II
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ARCH 120
Advanced study of 3D building modeling using Autodesk Revit to provide visualization and method of construction information for architectural design. Building Information Modeling (BIM) will be used to provide detailed construction information and coordination of architecture and engineering in simple and complex building systems. Rendering and presentation techniques using Revit are also introduced. Student needs solid knowledge of computer drafting applications, file management and building construction techniques including building materials and methods of construction.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 122 ARCHITECTURAL PRACTICE
2.0 Units 2.00 hours Lecture
Transfers: CSU

An introductory course covering the profession of architecture and the construction industry including professional relations, office procedures, and legal aspects.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 124A ARCHITECTURAL DRAWING I
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Principles and techniques of architectural drawing designed primarily for those who plan to enter the field of architecture or a related field such as construction, landscape architecture, city and regional planning, and/or interior design.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 124B ARCHITECTURAL DRAWING II
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Draft and organize a set of working drawings for a single-family dwelling including building code requirements, materials, and principles of wood-frame construction. Computer-aided drafting methods will be introduced and used.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 124C ARCHITECTURAL DRAWING III
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Draft and organize an advanced set of working drawings for a steel and concrete commercial building. Computer-aided drafting methods will be used.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 126 MATERIALS AND METHODS OF CONSTRUCTION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Studies various building materials, their use and application in the structural makeup of buildings.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 132 RESIDENTIAL PLANNING, PRINCIPLES AND DESIGN
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Recommended Preparation: ARCH 124A
Design a single-family dwelling. Complete a design process that considers proper site relationships, plan functions, form, structure, and materials.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 136 BASIC ARCHITECTURAL DESIGN II
3.0 Units 1.00 hour Lecture 6.00 hours Lab
Transfers: CSU

Recommended Preparation: ARCH 34
Learn to design quality form and space for living and working. Through the design process consider site, function, form, structure, color, and materials, as well as social, psychological, and ergonomic factors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 152 ADVANCED COMPUTER-AIDED DESIGN
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU

Recommended Preparation: DR/ARCH 50 or DR/ARCH 51
Advanced computer-aided design and drafting with emphasis on advanced 3D CAD knowledge and skills in the completion of technical drawings that support 3D modeling. Also listed as DR 152. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 161 BLUEPRINT PLANS AND SPECIFICATION READING
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Blueprint and specification reading as applied to California State codes. Includes residential, commercial, and hospital construction.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 162 CONSTRUCTION ESTIMATING
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU

Includes bid preparations, material quantity and analysis, labor and material pricing and quantities summations, subcontract summations, subcontract bids, bid corrections, bidding practices, and final-bid form compilation and submittal.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 163 INTERNATIONAL BUILDING CODE INSPECTION
4.0 Units 4.00 hours Lecture
Transfers: CSU

Pursue minimum preparation and upgrading for inspectors seeking certification, construction managers, and architect's field observers. Examine federal, state, or local codes affecting construction, grading, and performance standards. Evaluate code compliance on-site with emphasis on interpretations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 164 COMBINATION RESIDENTIAL DWELLING INSPECTION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: ARCH 163
Prepares students for the International Conference of Building Officials (ICBO) examination to become certified building inspectors. Particular emphasis given to those sections in the International Building Codes which deal with inspection and enforcement of the Plumbing, Mechanical and Electrical Codes as they relate to residential and framing. Qualifies as CE for state mandated AB 717.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 165 ELECTRICAL CODE INSPECTION
3.0 Units 3.00 hours Lecture
Transfers: CSU

A comprehensive study and review of the National Electrical Code and local authorities. Also covers regulations for inspection of residential and commercial units.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 180WE ARCHITECTURE WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Prerequisite: ARCH 120

Architectural students will work for licensed professionals, especially licensed architects, to increase their knowledge of professional practice and work toward satisfying the requirements of licensure (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ARCH 200 DESIGN IN ARIZONA, RIVERSIDE AND PALM SPRINGS
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Visit architecture and urban design in Arizona, Riverside and Palm Springs, including Taliesin, Biltmore, ASU, Arcosanti, Sedona, AZ straw-bale house and Mission Inn, Riverside. Students are responsible for lodging, meals, tours, and admission costs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 211 CONCRETE INSPECTION
3.0 Units 3.00 hours Lecture

Presents technical knowledge needed by inspectors, code enforcement personnel, contractors and architects. Covers detailed concrete design, placement, mixing and testing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 212 PLUMBING CODES - DRAINS, WASTE, VENTS, WATER, AND GAS
3.0 Units 3.00 hours Lecture

Examine responsibilities of the plumbing inspector. Review rules and regulations defining owner, builder and architect's responsibilities. Study mechanics of installation and inspection of water, waste, and venting systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 213 MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK
3.0 Units 3.00 hours Lecture

Examine the mechanical code as it affects responsibilities of inspector, contractor, worker, architect and owner. Examine design, sizing, installation and inspection of heating, ventilation and air conditioning (HVAC) systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 218 FOUNDATION STUDIO IN ARCHITECTURE
4.0 Units 3.00 hours Lecture 3.00 hours Lab

A design studio based on the Bauhaus Foundation Course that explores the many aspects of visual and spatial design leading to studied solutions in architecture. Concepts include black and white forms and negative space, communication through shapes, textures, color and materials, graphic design and typeface fonts, anthropometrics and designing for human scale. Studio will focus on designing and model building architecture for a specific building type and site, including climatic adaptation, native and locally produced materials, concepts of green design and LEED certification, creating human scaled spaces, and designing functional architectural solutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 219 RESIDENTIAL AND COMMERCIAL SPACE PLANNING
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Recommended Preparation: ARCH 124A
Focuses on the theory, layout, building codes and creativity needed in designing excellent floor plans, with a special emphasis on the scale of the building and the context of the site. Anthropometrics and ergonometric studies are the starting point to human scale design. Scale and arrangement of furnishings, circulation, storage, room proportions, function and users are all brought into the equation of good design. Projects will include typical single family residential design, residential estate design, multifamily residential design, commercial design, institutional design, and parking design with focus on sustainable architectural design practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 231 LEED AND SUSTAINABLE ARCHITECTURE
3.0 Units 3.00 hours Lecture

Examines the emerging movement for sustainable practices in architecture and construction. The model of the US Green Building Council for LEED (Leadership in Energy and Environmental Design) defines this course. Certification of buildings is examined including: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation in design. For residential construction, locations and linkages, as well as awareness and education are discussed. Regional priorities focus on water and air resources for Southern California. The LEED professional accreditations: LEED Green Associate and the 5 LEED Accredited Professional designations are also investigated. Identify approaches to sustainable architecture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 260 ARCHITECTURE IN NORTHERN CALIFORNIA
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Visit architecture in San Francisco, Santa Barbara, San Luis Obispo--San Francisco Civic Center, Union Square, Herman Plaza, Haight-Ashbury, Golden Gate Park, Marin Civic Center, Napa valley, Santa Barbara and San Luis Obispo downtowns, Hearst Castle.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 261 ORANGE AND SAN DIEGO ARCHITECTURE
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Field study of architecture which urbanize and texture the region -- from the Salk Institute and UC San Diego Library to the Crystal Cathedral, Capistrano Library and San Diego's live/work housing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 262 LOS ANGELES ARCHITECTURE
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Tour LA architecture--including Gamble House, Bradbury Building, Biltmore Hotel, Wright/Eames/Gehry houses, Eric Moss/Morphosis projects, and Getty Museum.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 270 FIELD STUDY - EUROPEAN ARCHITECTURAL HISTORY
3.0 Units 3.00 hours Lecture

Field study of European architectural history and the society that created the built environment of cultures. Countries may include Italy, France, England, Ireland, Scotland, Germany, Switzerland, Denmark and the Netherlands. Includes social, cultural, religious, economic, geographic and climatic forces that shape the built environment. Examines how societies have developed a sustainable culture using local resources. Sites visits include iconic architecture, as well as vernacular construction. Discussion and in-depth study of areas of travel and architectural experiences will be conducted in class after the trip.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 271 FIELD STUDY - EUROPEAN SKETCH, DRAW, PHOTO
3.0 Units 3.00 hours Lecture

Field study of the European Region using the graphic arts of architecture--sketching, drawing and photography--while traveling and exploring architecture and the built environment. Countries may include Italy, Spain, France, England, Ireland, Scotland, Germany, Denmark, Switzerland, and the Netherlands. Students will graphically capture the culture and the architectural record of the region's history. Upon return to the classroom, an in-depth study of graphic techniques will be presented, discussed and applied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARCH 272 FIELD STUDY - EUROPEAN DESIGN STUDIO
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Field study in the European Region using the built environment as the basis for a design studio in architecture--designing residential, commercial, and civic spaces--while traveling and exploring the region, which may include Italy, Spain, France, England, Ireland, Scotland, Germany, Denmark, Switzerland, and the Netherlands. Allows students to capture the culture and the architectural style of the region in their designs. Upon return to the classroom, an in-depth study of architectural design in a studio setting will be presented, discussed and applied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Art [ART]

ART 4 FUNDAMENTALS OF ART
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes fundamental art ideas, modes, devices, problems of organization and structure terminology, media, and the relationship of art to society.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 9 CERAMICS FUNDAMENTALS
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 80
Introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects with an emphasis on examining historical, contemporary, and personal modes of expression across cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 10 CERAMICS - HANDBUILDING I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 9
An introduction to beginning ceramic handbuilding techniques with emphasis on theory and application of esthetic principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 10, 14, and 15.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 11 CERAMICS - WHEEL I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 9
An introduction to beginning wheel techniques with emphasis on theory and application of esthetic principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 11, 12, and 13.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 12 CERAMICS - WHEEL II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 11

A continuation of basic throwing techniques including sectional forms, precision sizing and production techniques with emphasis on theory and application of aesthetic principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 11, 12, and 13.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 13 CERAMICS - WHEEL III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 12

A continuation of throwing skills including large scale forms and studio practices emphasizing advanced theory and application of aesthetic principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 11, 12, and 13.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 14 CERAMICS - HANDBUILDING II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 10

A continuation of basic handbuilding techniques including mold making and slip casting with emphasis on theory and application of esthetic principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 10, 14, 15, 114, 115, 216, and 217.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 15 CERAMICS - HANDBUILDING III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 14

A continuation of handbuilding techniques and skills including advanced mold making, slip casting, functional and sculptural construction methods with emphasis on advanced theory and application of esthetics principles to the design of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 10, 14, 15, 114, 115, 216, and 217.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 20 BEGINNING GRAPHIC DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Fundamentals of design concepts that explore organization of visual elements for graphic communication. Studio work will include traditional and computer-generated assignments in layout and typography. Designed to convey current concepts in the graphic design field. Also listed as GD 20. Credit given in either area, not both. Formerly ART 140.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 40 2-D FOUNDATIONS
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Introduction to the concepts, applications, and processes of two-dimensional art through historical and contemporary contexts. An exploration of the basic elements of composition: line, shape, texture, value, color and spatial illusion. Application of those elements using the principles of design: balance, unity, rhythm, pattern & contrast. Development of visual vocabulary and individual aesthetic through lecture presentations, studio projects, problem solving, written assignments and research. Field trips required to meet course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 100

ART 41 THREE-DIMENSIONAL DESIGN
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 40
This course examines the ideas, concepts and processes of 3-Dimensional artworks as they apply to historical and contemporary artists and collaboratives. An introduction to the applications of three-dimensional art & design, including the study of the basic principles and elements as they pertain to space, form and the built environment. This course focuses on the development of visual literacy for effective communication through lecture presentations/ demonstrations, studio projects, problem solving, written assignments, critical discourse and research. Students design, create, and exhibit artworks that pertain to the historical movements covered. Field trips required to meet course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 101

ART 42 COLOR THEORY AND PRACTICE
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 40 or ART 80
Historical and contemporary color theories, principles and applications of subtractive and additive color processes. Investigates the cultural and physical subjectivity of color perception as it applies to art and artists working in diverse media. Explores the conceptual and technical aspects of developing a functional color palette for effective communication through lectures, studio projects and research. Develop a range of color applications through exposure to diverse media and critical discourse. Students design, create, and exhibit artworks that pertain to the historical and cultural movements covered. Planning and execution of a collaborative public artwork using color and composition to communicate socially engaged themes. Field trips required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 270

ART 50 PAINTING - I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 40, 80
Introduction to the basic elements, principles and practices of painting. Focus on exploration of painting materials, perceptual skills, paint mixing, color theory, and methods of applying paint. Creative responses to representational subject matter will be emphasized. Emphasizes portfolio development for employment as an artist or related worker. Theory and studio work in the application of esthetic principles to the design and painting of useful and decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 50, 51, 52, and 250.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 210

ART 51 PAINTING - II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 50

Designed to draw upon the skills developed in ART 50 to achieve greater levels of mastery over paint surface and composition. Emphasizing painting as a creative process while developing advanced skills in oil and/or acrylic. Painting from life, students will learn to understand the importance of warm and cool value relationships. Students will work with a limited palette to design useful and decorative objects and spaces. An extended palette will be introduced and the properties of transparent and opaque paint will be addressed. Students are limited to a combined total of four enrollments in ART 50, 51, 52, and 250.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 52 PAINTING - III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 51

Designed to draw upon the skills developed in ART 51 to achieve greater levels of mastery over the painted surface and composition. Explores representational and non-representational subject matter in a variety of media including acrylic and oil. Emphasis on portfolio development for employment as an artist or related worker. Students are limited to a combined total of four enrollments in ART 50, 51, 52, and 250.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 53 PAINTING FROM THE LIVE MODEL I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 50, 80, and 85
Introduction to painting the human figure from observation. Topics include fundamental structural drawing concepts, color theory, light logic and the historical and contemporary roles of figurative painting in the visual arts. Students will learn both descriptive and interpretive approaches to painting the figure. Students are limited to a combined total of four enrollments in ART 53 and 54.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 54 PAINTING FROM THE LIVE MODEL II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 53

A continuation of ART 53 which emphasizes painting the draped and undraped male and female figure from direct observation. The primary focus is to develop a range of expressive and descriptive painting techniques. The student will continue to develop the basic skills in representing and interpreting the live model. A variety of media will be explored. Students are limited to a combined total of four enrollments in ART 53 and 54.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 57 WATERCOLOR I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 40, 80
An introduction to water-based media with emphasis on transparent watercolor. Students will learn the basic techniques of surface preparation, paper stretching transparent application, graduated washes dry brush, and wet-into-wet techniques. A variety of materials, devices, and means for representing the volume, structure, character, and delineation of natural and man made forms via the watercolor medium will be explored. Students are limited to a combined total of four enrollments in ART 57, 58, 59, and 161.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 58 WATERCOLOR II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 57

Further implementation of painting with transparent watercolor. Explores more advanced problems in color, light, and composition. In addition, this course will offer experience in the mixing of other media with transparent watercolor. Students are limited to a combined total of four enrollments in ART 57, 58, 59, and 161.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 59 WATERCOLOR III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 58

Emphasizes advanced techniques of transparent media, including use of collage and other mixed media. Further implementation of advanced watercolor techniques that explore more advanced problems in color, light, and composition will be explored. Off-campus field experiences required to meet course objectives. Students are limited to a combined total of four enrollments in ART 57, 58, 59, and 161.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 60 PRINTMAKING I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 80
An introductory printmaking course designed to teach students a variety of approaches in Relief and Intaglio areas of printmaking. The basic processes of etching, drypoint, relief printing, and monotypes will be stressed. Both traditional and experimental approaches important to the development of a print will be used through the course of study. Students will be expected to develop a print from concept to the printing of an edition. Students are limited to a combined total of four enrollments in ART 60, 61, 62, and 164.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 61 PRINTMAKING II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 60

Designed with emphasis on advanced skills in the process of Relief and Intaglio areas of printmaking. Edition printing, advanced technical skills, and continued development of personal imagery and unique style will be stressed. Students are limited to a combined total of four enrollments in ART 60, 61, 62, and 164.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 62 PRINTMAKING III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 61

Recommended Preparation: ART 80
Designed with an emphasis in advanced skills in the processes of relief and intaglio printmaking. The course will cover advanced skills in edition printing (color), multi-plate printing, color printing, and continued development of personal imagery and unique style. Students will incorporate intermediate techniques learned in prior courses to develop advanced multicolor, multiplate registration, and printing techniques. Students are limited to a combined total of four enrollments in ART 60, 61, 62, and 164.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 63 INTRODUCTION TO SCREEN PRINTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Principles, basic methods and techniques of preparing handcut and photographic stencils, printing techniques, simple color separation, and equipment and material handling. Care, use, and safety precautions in operating and cleaning the silkscreen unit. Also listed as GC 63. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 70 SCULPTURE I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Introduction to contemporary sculptural practice, techniques, and concepts utilizing a wide range of materials and practices with an emphasis on technical development. Various sculpture methods are practiced with attention to creative self-expression and historical context. Theoretical issues and critical analysis of sculptural works will also be addressed. Field trips and lectures will acquaint students with historical and current sculptural practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 71 SCULPTURE II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 70

An intermediate course covering contemporary practices, theory, critical analysis and practical techniques in the expansive field of sculpture with an emphasis on conceptual development. Students will further develop skills needed to translate ideas into three-dimensional form towards creating conceptual artworks as well as useful and decorative objects and spaces. Projects emphasize creative self-expression, artistic inquiry and process, with on focus on contemporary practices. Field trips and lectures will acquaint students with historical and current sculptural practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 72 SCULPTURE III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 71

An advanced course focused on individual involvement in the studio practice of making sculpture and the design of useful and decorative objects and spaces. Emphasis focused on conceptual development, refinement of technique, choice of materials, professional presentation, portfolio development, and exhibition. Students will focus on the development of a project/series of works that expresses their individual proclivities as an artist. Projects will be proposed and formulated by each student with the guidance of the instructor. Students will develop a portfolio for entering a career in the arts. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 80 DRAWING I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Emphasizes the development of perceptual and technical skills in drawing. Includes line, shape, proportion, value, and composition in the representation of still life and other subject matter using dry media. Theory and studio work in the application of esthetic principles to the design of useful drawings and decorative drawings. Students are limited to a combined total of four enrollments in ART 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 81 DRAWING II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 80

Emphasizes the process of drawing as a form of creative expression. Students will explore approaches to technical and conceptual problems in drawing using a variety of mediums, techniques and methodologies. Through exercises covering historical and contemporary approaches to drawing students will build on fundamental drawing skills to develop a personal approach to content and material. Theory and studio work in the application of esthetic principles to the design of drawings. Students are limited to a combined total of four enrollments in ART 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 205

ART 82 DRAWING III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 81

Further develops the concepts and processes introduced in ART 80 and 81, emphasizing the development of the individual student's artistic development. Students are limited to a combined total of four enrollments in ART 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 85 DRAWING FROM THE LIVE MODEL I
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: ART 80
Introduction to drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Students are limited to a combined total of four enrollments in ART 85, 86, and 87.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 200

ART 86 DRAWING FROM THE LIVE MODEL II
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 85

Continued study toward developing an understanding of drawing the human figure with emphasis on surface anatomy, form, structure, proportion, gesture, contour, and volume. Students work from the draped and nude model. Media include graphite, charcoal, Conte Crayon, and pastels on a variety of papers and surfaces. Students work from the draped and nude model. Students are limited to a combined total of four enrollments in ART 85, 86, and 87.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTS 200

ART 87 DRAWING FROM THE LIVE MODEL III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC
Prerequisite: ART 86

Further study on developing and understanding drawing the human figure as the basis of representational and expressionistic drawing. Students will experiment with a variety of wet and dry media. Students work from the draped and nude model. Students are limited to a combined total of four enrollments in ART 85, 86, and 87.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 141 GRAPHIC RENDERING TECHNIQUES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Exploration of two-dimensional media for producing graphics and illustrations. Projects encourage development of illustration skills for a variety of design applications. Recognition and choice of techniques for translating concepts into accurate and compelling renderings. Also listed as GD 141, credit may be earned for either course, not both. Field trips may be required as part of class requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 142 PACKAGE DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Traditional and computer-generated design and construction of three-dimensional packaging, including labels, overwraps, printed cartons, and point-of-purchase displays. Also listed as GD 142, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 143 PROFESSIONAL PRACTICES: LAUNCHING A CREATIVE CAREER

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Limitation on Enrollment: Successful completion of at least 2 studio art/design courses. Students must have a portfolio of at least 15 completed works before starting the class. Intended to assist students in the advanced stage of their art/design education to make a successful transition from school to the professional world. Through research, lectures, discussions, tutorials, and class field trips, students will be exposed to a variety of professional models and a broad range of issues relevant to an independent artist/designer. Students will set goals, and work on projects that reflect their individual objectives as creative entrepreneurs. This includes working on a business plan, assembling a professional portfolio and may also include seeking gallery representation. Class includes visits to local artists and creative businesses in the local community, providing an invaluable network of contacts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 145 GRAPHIC ILLUSTRATION

3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Develop illustrations for advertising, informational, graphic, and editorial use. Design and apply illustrations with consideration for reproduction requirements. Illustrations will be done in line art, black and white, and limited and full color in select mediums. Also listed as GD 145, credit may be earned for either course, not both. Field trips may be required as part of class requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 150 ARCHITECTURAL CERAMICS I

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: ART 9 or ART 10

Introduction to contemporary architectural ceramic design, emphasis on creating multiples for installation in an architectural environment. Ideal for students interested in site-specific installation, public arts and professional practices for commission artists. History of architectural ceramics as it relates to current usage and contemporary concepts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 161 OPAQUE WATERCOLOR

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Recommended Preparation: ART 57
An overview of traditional and contemporary color practices, techniques and styles with opaque watercolor or gouache. A comprehensive and practical application of color media which is used as a bridge between Newtonian color theory and intuitive painting. Provides the opportunity for exploration and familiarization of painting methods and styles through a range of in-class exercises and outside assignments all addressing the spectrum of color and its relationships. Emphasizing the creative process in the design and painting of useful or decorative objects and spaces. Students are limited to a combined total of four enrollments in ART 57, 58, 59, and 161.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 164 PRINTMAKING IV

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: ART 62

Recommended Preparation: ART 80
Designed for advanced printmakers with emphasis on photopolymer plates and digital technology for use in intaglio and relief printmaking. Focus will be on solar plate technology, digital image making and manipulation for output on transparency, and printing/editioning of imagery on an etching press. Students are limited to a combined total of four enrollments in ART 60, 61, 62, and 164.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 171 METALSMITHING & JEWELRY I

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Recommended Preparation: ART 40 or ART 41
Introduction to a wide range of methods, techniques, and materials used to create and design jewelry, small-scale metal artwork and useful/decorative objects. Includes examination of the history and contemporary practices of jewelry-making and small metal casting/fabrication with a global cultural perspective . Students are limited to a combined total of four enrollments in ART 171, 172, 173, 174, 228, 229, 230, and 231.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 172 METALSMITHING & JEWELRY II

3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: ART 171

Builds on skills and techniques learned in ART 171 in the design of useful and decorative jewelry objects. Students will design and create objects utilizing the following techniques: intermediate level soldering, wire fabrication, annealing, casting, intermediate level cold connections, etching, and stone setting. Students are limited to a combined total of four enrollments in ART 171, 172, 173, 174, 228, 229, 230, and 231.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 173 METALSMITHING & JEWELRY III
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: ART 172

Builds on skills and techniques learned in ART 172 in the design of useful and decorative objects. Students will design and create objects utilizing the following techniques: advanced soldering, hollow construction, wire fabrication, annealing, hydraulic forming, and advanced cold connections. Students are limited to a combined total of four enrollments in ART 171, 172, 173, 174, 228, 229, 230, and 231.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 174 METALSMITHING & JEWELRY IV
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: ART 173

Builds on skills and techniques learned in ART 173 in the design of useful and decorative jewelry objects. Students will design and created objects utilizing the following techniques: advanced soldering, enameling, mechanisms, clasps, and advanced stone. Students are limited to a combined total of four enrollments in ART 171, 172, 173, 174, 228, 229, 230, and 231.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 175 METAL CASTING
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Recommended Preparation: ART 70
An introductory course covering a general history, theory, critical analysis and practical applications in cast bronze sculpture, foundry processes and small metal casting. Projects emphasize creative self-expression in the design of useful and decorative objects in ferrous and non-ferrous metals using direct modeling of wax, basic mold making, and introduction to non-wax casting materials. Portfolio development in this course will prepare students for employment as an artist or related worker.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ART 240 INTERMEDIATE GRAPHIC DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: GD 20 or ART 20
Further study of design concepts used in graphic design as well as portfolio preparation. Studio work will include conceptualization techniques and layout and production of designed formats. Also listed as GD 240. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Art History [ARTH] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

ARTH C1100 SURVEY OF ART FROM PREHISTORY TO THE MEDIEVAL ERA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. Field trips may be required. Formerly offered as ARTH 25.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTH 110

ARTH C1200 SURVEY OF ART FROM THE RENAISSANCE TO CONTEMPORARY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. Attendance at field trips may be required. Formerly offered as ARTH 26.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTH 120

ARTH 20 ART APPRECIATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A general introduction to art and visual culture designed to develop an understanding of terminology, themes, and art forms, including examples of painting, sculpture, and architecture across time and diverse cultures. Attendance at field trips may be required. C-ID ARTH 100.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTH 100

ARTH 21 WOMEN AND ART
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the history of relations between women, art, and ideology in global visual culture. Examines and analyzes the effects of cultural practices such as the division of labor and space in society, codes of language, the impact of new technologies, and power relations on the ways that women are represented and participate in visual culture. Explores women's changing relation to art practice. Includes analysis of feminism, gender roles, and identity construction in historical and contemporary art forms. Field trips may be required to complete course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARTH 22 SURVEY OF ASIAN ART (INDIA, CHINA, JAPAN, AND KOREA)
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is a survey of the artistic traditions found throughout Asia including India, Southeast Asia, Korea, China, and Japan from the neolithic period to the modern age. The arts of painting, sculpture, and architecture will be discussed as artistic expressions as well as visual manifestations of Asian visual culture. Emphasis on cultural, political, social, and religious forces that shaped these traditions. Field trips may be required to complete course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTH 130

ARTH 23 AFRICAN, OCEANIC, AND ANCIENT NORTH AMERICAN ART
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is designed to develop an understanding and appreciation of the indigenous arts of Africa, the South Pacific, and the ancient arts of North America from the prehistoric to the modern age. Studies the painting, sculpture, architectural traditions of these societies emphasizing their culture as well as artistic significance.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ARTH 140

ARTH 24 INDIGENOUS ARTS OF THE AMERICAS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of the indigenous artistic traditions of Meso, Central, and South America extending from Mexico through Peru from circa 1000 BC to the Conquest. Addresses historical and contemporary cultures of the Western hemisphere (pre-Columbian) from a historical and ethnographic context, examining the formal elements of painting, sculpture, architecture, ceramics, and textiles in the context of native socio-political systems and religious beliefs. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARTH 29 INTRODUCTION TO WORLD ART
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of the visual arts of the world through the millennia, including the regions and cultures of Europe, Asia, the Americas, and Africa. Major emphasis is given to the development of the world's most significant painting, sculpture, and architecture within their respective social, political and religious contexts. The course examines the roles of artist and patron, and the relationship between the art object and its intended function. Field trips may be required to complete course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARTH 30 HISTORY OF MODERN ART 1825-1945
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the history of visual culture in Europe and North America from the invention of Photography to the end of the second world war. Topics covered include the following: Realism, Impressionism, Post-Impressionism, Symbolism, Cubism and its responses, Expressionism and its responses, Surrealism, International style and North American Regionalisms. Looks closely at significant theoretical constructs such as the Avant Garde, Modernism, Art Criticism and Patronage (institutional and private). Examines the effects of new technologies on the development of art during this period; most importantly photography and film.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARTH 32 SURVEY OF CONTEMPORARY ART
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Surveys and analyzes the global expansion, development, and transmission of art practices since 1945. Post World War II cultures produced rapid economic, technological and social changes. In turn, artists responded to these social changes by producing works of art that both comment on and absorb the cultural environments in various ways through individual visions and shared ideological perspectives. Examines art since 1945 by looking at the works and the ideas and technologies that inform them. Also examines the public and private spaces in which art is seen and understood.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ARTH 100 ART GALLERY DISPLAY AND EXHIBITION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Designed to introduce students to a variety of aspects in working and running a non-profit/educational art gallery. Students will participate in the planning of shows along with the practical experience of preparing and installing shows in the Saddleback College Art Gallery. Students will visit local galleries and museums to further enhance their ideas of the functions of an art gallery.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Astronomy [ASTR] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

ASTR C1001 INTRODUCTION TO ASTRONOMY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course introduces fundamental concepts of astronomy, including the Solar System, stars, supernovae, galaxies, black holes, and the expanding universe. Students learn how to study the cosmos and what the latest discoveries reveal about the origins and fate of the universe. Formerly offered as ASTR 20.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ASTR 21 THE SOLAR SYSTEM
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of the origin and evolution of our solar system, from the beginning to the present, as deduced from sampling, remote sensing, exploration, imagery, and theory. We will discuss and compare composition; tectonics; volcanism; surface processes; and atmospheric and thermal evolution of earth, the moon, terrestrial, and Jovian planets and their satellites. Additional topics will include meteorite and comet impacts and the possible existence of life elsewhere in the solar system. Field trips may be required to fulfill the objectives of this course. Also listed as GEOL 21. Credit given for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ASTR 25 OBSERVATIONAL ASTRONOMY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: ASTR C1001
An introductory observational astronomy course covering various observational targets, tools, and methods, through actual observation and experimentation. Students will use college-owned telescopes to observe the sun, moon, planets, available comets, multiple stars, variable stars, and deepsky objects including nebulae and galaxies. Field trips may be required to fulfill the course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Automotive Technology [AUTO]

AUTO 100 AUTOMOTIVE FUNDAMENTALS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Introduction to the principles of operation of modern automobile systems and a practical introduction to automotive tools and diagnostic equipment. Demonstrated lectures and some practical experience in the laboratory. Structured for the non-technical student.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 101 AUTOMOTIVE ELECTRICAL SYSTEMS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: AUTO 100
Operating principles, troubleshooting techniques, and repair procedures of electrical supply systems and battery-starter systems. Demonstrated lectures and practical experience in the laboratory on batteries, starter systems, alternator, generator charging systems, and accessory and lighting systems. Scan tool and digital multimeter techniques will be emphasized.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 102 AUTOMOTIVE ENGINE PERFORMANCE-ELECTRONICS AND IGNITION

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Recommended Preparation: AUTO 101 and 207
Operating principles, troubleshooting techniques, and repair procedures for automotive engine performance systems. Emphasis on battery, charging and ignition systems. Demonstrated lectures and practical experience in the laboratory using modern testing equipment, oscilloscopes, and other diagnostic equipment on "live" vehicles.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 103 AUTOMOTIVE ENGINE PERFORMANCE-FUEL AND EMISSION SYSTEMS

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Recommended Preparation: AUTO 101 and 207
Operating principles, troubleshooting techniques and repair procedures for automotive engine performance systems. The emphasis is fuel and engine emission control systems. Demonstrated lectures and practical experience in the laboratory using modern testing equipment, oscilloscopes, and other diagnostic equipment on "live" vehicles.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 104A AUTOMOTIVE ENGINES

5.0 Units 3.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Recommended Preparation: AUTO 101 and 207
Practical experience in the rebuilding, overhauling, and machining of engine components of the internal-combustion engine. It is recommended that the student have access to an engine for overhaul purposes. First part of a two-semester program covering block boring and honing techniques as well as bearing installation. Piston and ring selection procedures will be covered. The basic block will be assembled.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 104B AUTOMOTIVE ENGINES

5.0 Units 3.50 hours Lecture 4.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 104A
Recommended Preparation: AUTO 100, 207
Practical experience in the rebuilding, overhauling and machining of engine components of the internal-combustion engine. A continuation of AUTO 104A. Covers cylinder head overhaul, camshaft selection, and cylinder head assembly. The complete engine will be assembled in the lab.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 105 AUTOMOTIVE POWER TRAIN

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Recommended Preparation: AUTO 101 and 207
Operating principles, overhaul, and repair procedures of automotive power-trains, including clutches, multiple speed four-wheel drive transmissions, overdrives, drive line, differentials, and rear axles. Demonstrated lectures and practical experience in the laboratory on power-train components.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 106A AUTOMOTIVE SUSPENSION AND ALIGNMENT

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Operating principles, design, diagnosis and overhaul of chassis suspension systems. Demonstrated lectures and practical experience in the laboratory performing suspension diagnosis and repair. Students will perform two and four wheel alignments using modern alignment equipment on "live" vehicles.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 106B AUTOMOTIVE BRAKE SYSTEMS

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Operating principles, troubleshooting techniques, and repair of automotive disc and drum brake systems. Latest antilock brake systems (ABS) system theory and operation with scan tool analysis will be covered. Complete component overhaul, machining methods, and selection of materials for safe brake operation are also covered. Prepares the student for the State of California brake inspection license.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 107 AUTOMATIC TRANSMISSION

3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Operating principles, design, overhaul, adjustment, and servicing of front wheel drive (FWD) and rear wheel drive (RWD) automatic transmissions. Troubleshooting techniques utilizing scan tools for computer-controlled transmission diagnosis. Demonstrated lectures and laboratory work on automatic transmissions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 108 AUTOMOTIVE AIR CONDITIONING
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Prerequisite: AUTO 100
Limitation on Enrollment: Completion of EPA Section A609 Certification
Operating principles, design, diagnosis of vehicle heating and air conditioning systems. Emphasis is placed on diagnosis and troubleshooting of "live" vehicles. Students are required to independently register, pay for, and complete the Section A609 certification within two weeks of class starting in order to remain enrolled. Registration details will be provided by the instructor.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 109 CALIFORNIA B.A.R. BASIC AREA CLEAN AIR CAR COURSE
5.0 Units 4.50 hours Lecture 1.50 hours Lab
Transfers: CSU
Recommended Preparation: AUTO 100 and completion of or concurrent enrollment in AUTO 102, 103, or 202
This Bureau of Automotive Repair certified course meets the Level I requirements for taking the California B.A.R. licensed smog check inspector examination. Course content will include the study of proper vehicle inspection procedures, testing, diagnosis, and certification procedures following the current laws and regulations. For state certification, students must meet Bureau of Automotive Repair requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 180WE AUTOMOTIVE WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Course provides supervised work experience in the automotive service industry as an automotive technician, automotive mechanic, service lube tech, service advisor, lot porter, parts associate, or any other automotive industry-based position. A maximum of four units may be applied towards major requirements for each certificate (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

AUTO 200 ENHANCED AREA CLEAN AIR CAR COURSE
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Recommended Preparation: AUTO 100 and 109
CA BAR Smog Program Level II Bureau of Automotive Repair (BAR) certified course meets one of the requirements for taking the State of California Bureau of Automotive Repair licensed repair smog check technician examination. Course content will include Acceleration Simulation Mode (ASM) emission inspection system operation (Dyno), Data Acquisition Device (DAD) operation and diagnostics. For state certification, students must meet Bureau of Automotive Repair specific requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 201 ADVANCED AUTOMOTIVE ELECTRICAL
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Prerequisite: AUTO 101
Recommended Preparation: AUTO 100
Advanced automotive electrical-electronic systems cover strategy based diagnostic procedures for troubleshooting lighting, instrumentation, engine and body controls and other accessory circuits. Air bag theory, respective testing diagnostic procedures, and fuel system operation are included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 202 ADVANCED ENGINE PERFORMANCE DIAGNOSIS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Recommended Preparation: AUTO 100, 102 or 103
Explores advanced engine and driveline performance diagnosis using the chassis dynamometer, digital storage oscilloscope, five-gas analyzer and other related test equipment on "live vehicles" to diagnose vehicle performance.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 203 AUTOMOTIVE ELECTRONICS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Recommended Preparation: AUTO 100, AUTO 101, and ET 133
The Automotive Electronics class covers the basics of modern vehicle electronics. This class will cover vehicle electronic systems, which can include vehicle infotainment systems, vehicle driving aids, component sub systems, electronic repair and diagnostics. Lab activities consist of troubleshooting, repair, and verifying operations of vehicle electronic systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 205 ADVANCED SMOG UPDATE TRAINING
0.5 Unit 0.50 hour Lecture 1.00 hour Lab
Recommended Preparation: AUTO 100, 102, 103, 109
California Bureau of Automotive Repair (B.A.R.) approved update course covers the required emission update program. In-depth program covering current laws and regulations, ASM testing, and emission diagnostics used to inspect, test and repair late model vehicles.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 207 AUTOMOTIVE ENGINEERING FUNDAMENTALS
3.0 Units 3.00 hours Lecture
Recommended Preparation: AUTO 100
The science and design of the modern automobile. Basic physics and related mathematical concepts are explained using the automobile as an example. In-class demonstrations and student participation provide the connection between theory and real world applications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 208 AUTONOMOUS VEHICLE SYSTEMS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Prerequisite: AUTO 100

Recommended Preparation: AUTO 106A
This course will cover autonomous and semi-autonomous vehicle systems found on modern production cars. New and upcoming technologies will be explored to prepare students for technologies that will be implemented onto new vehicles. Topics covered will be smart cruise control, lane departure systems, obstacle avoidance systems, LIDAR, vehicle sonar, driver aids, and communication system diagnostics. This course will allow students to obtain a job at dealerships or with a manufacturer and understand autonomous vehicle systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 220 ALTERNATIVE PROPULSION SYSTEMS
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: AUTO 100 and 207
Study alternative vehicle propulsion systems that include compressed natural gas (CNG), propane, diesel, hydrogen fuel cell, hybrid and fully electric vehicle technology. Laboratory exercises include safety, operation, and maintenance of hybrid, fully electrical, and alternative propulsion vehicle systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 226 AUTOMOTIVE SERVICE CONSULTANT
2.0 Units 2.00 hours Lecture

Recommended Preparation: AUTO 100
Focuses on Automotive Service Consultants and their relationship to the processing of work within the automotive service facility. The actions, procedures and interaction with all personnel and their value will be discussed in detail. Correct completion and understanding of a repair order is covered. Time management and vehicle scheduling is discussed. Content is aligned with tasks identified by Automotive Service Excellence (ASE).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 227 AUTOMOTIVE SERVICE MANAGEMENT
3.0 Units 3.00 hours Lecture

Recommended Preparation: AUTO 100
Introduction to an automotive service department as it pertains to management. Skill development for operating an automotive business, including service consulting, service management and communication practices. Instruction in federal, state and local regulations for operating a service department.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 229 DIESEL TECHNOLOGY
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Prerequisite: AUTO 100

Diesel technology covers the design, construction, operation, diagnosis, service, and repair of both mobile and stationary diesel engines. The theory, operation, service, and diagnosis of diesel engines, engine control computers, fuel management systems, and emission control systems are covered in detail.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 231 HYBRID AND ELECTRICAL VEHICLE TECHNOLOGY
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: AUTO 100 and 207
The extensive study of hybrid, plug-in hybrid, and electrical vehicle powertrain systems. Laboratory exercises include safety, operation, maintenance and repair of hybrid, plug-in hybrid and electrical vehicle powertrain systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 232 DIESEL SYSTEMS TECHNOLOGY
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Prerequisite: AUTO 100

Covers the design, construction, operation, diagnosis, service, maintenance and repair of both mobile and stationary diesel vehicle systems and equipment. The theory, operation, service and diagnosis of diesel powered vehicles and equipment, engine control computers, fuel management systems, braking systems, powertrain, propulsion systems, and emission control systems are covered in detail.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

AUTO 235 BASIC AUTOMOTIVE TIRE SERVICE (ATS) & TPMS MONITORING
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Recommended Preparation: AUTO 100
Basic Automotive Tire Service (ATS) is a Tire Industry Association (TIA) 200-level minimum skills training and certificate program that outlines and explains the guidelines for servicing passenger and light truck tire and wheel assemblies. It includes the step-by-step procedures for: lifting the vehicle; removing the assembly; demounting, mounting and inflating; balancing; tire repair; and wheel installation. Basic ATS places special emphasis on the relationship between torque and clamping force so technicians have a thorough understanding of the necessary steps to ensure wheel retention on steel and aluminum wheels. Advanced Tire Pressure Monitoring Systems (TPMS) is a 250-level TIA program that focuses on the manufacturer-specific requirements for the most popular domestic and import vehicle/sensor manufacturers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Biology [BIO/BIOL] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

BIOL C1000 INTRODUCTION TO BIOLOGY WITH LAB

4.0 Units 3.00 hours Lecture 3.00 hours Lab

Transfers: CSU, UC

This combined lecture and laboratory course provides the non-biology major with an introduction to living things and their environment. Students use experimentation and investigation to develop important critical thinking skills. Students learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society. Field trips may supplement laboratory work. Formerly offered as BIO 20.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

BIO 3C BIOCHEMISTRY AND MOLECULAR BIOLOGY

5.0 Units 3.00 hours Lecture 6.00 hours Lab

Transfers: CSU, UC

Prerequisite: BIO 4A and CHEM 12A

Recommended Preparation: BIO 22

An introduction to biochemistry and molecular biology. Included are discussions of biological molecules, energy production, metabolic pathways and regulation, genetic code and genomics, DNA replication, transcription and RNA processing, translation, and gene regulation. Laboratory activities will include chromatography, cell fractionation, centrifugation, protein purification, electrophoresis, and recombinant DNA methods. This course is designed for biology majors and health pre-professionals. Field trips may be required to fulfill the objectives of the course.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

BIO 4A PRINCIPLES OF CELLULAR BIOLOGY

4.0 Units 3.00 hours Lecture 3.00 hours Lab

Transfers: CSU, UC

Prerequisite: CHEM 1A

Covers the principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, molecular genetics, classical/Mendelian genetics, cell metabolism including photosynthesis and respiration, and cellular communication. The philosophy of science, methods of scientific inquiry and experimental design are foundations to the course. Intended for biology majors completing the Biology AS-T degree; may also be taken by Biology A.S. majors. Field trips may be required to fulfill objectives of the course.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: BIOL 190

BIO 4B PRINCIPLES OF ORGANISMAL BIOLOGY

4.0 Units 3.00 hours Lecture 3.00 hours Lab

Transfers: CSU, UC

Prerequisite: BIO 4A

A survey of the basic biology and diversity of unicellular and multicellular organisms. It emphasizes general biological principles, classification, structure, function and evolutionary adaptations of organisms (including plants, fungi, animals, and unicellular organisms) to their environments. Intended for biology majors completing the Biology AS-T degree; may also be taken by Biology A.S. majors. Field trips may be required to fulfill the objectives of the course.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: BIOL 140

BIO 11 HUMAN ANATOMY

4.0 Units 2.00 hours Lecture 6.00 hours Lab

Transfers: CSU, UC

Prerequisite: BIOL C1000 or one year of high school biology with a grade of "C" or better

Analysis of the structure of the human body using all systems approach. Emphasis is placed on the relationship between structure and function. Laboratory emphasis on use of the light microscope, histology, and gross anatomy, including cat dissection. Designed for biology majors and health pre-professionals.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: BIOL 110B

BIO 12 HUMAN PHYSIOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: CHEM 8 or one year of high school chemistry with a grade of "C" or better and BIO 11

Focuses on the functioning and integration of the major organ systems to maintain homeostasis within the human body. Emphasis will be placed on the cardiovascular, reproductive, urinary, lymphatic, integumentary, endocrine, respiratory, digestive, and nervous systems. Additional content covered includes skeletal muscle physiology, bone physiology, metabolism, water-salt balance, and thermoregulation. It is designed for biology majors and health pre-professionals.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: BIOL 120 B

BIO 13 HUMAN ANATOMY AND PHYSIOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Examines the relationships between human anatomical and human physiological systems. The laboratory will include dissection. This course does not meet the requirements of neither anatomy nor physiology for nursing students (formerly BIO 113).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 15 GENERAL MICROBIOLOGY
5.0 Units 3.00 hours Lecture 6.00 hours Lab
Transfers: CSU, UC
Prerequisite: BIOL C1000 or one year of high school biology with a grade of "C" or better and CHEM 8 or one year of high school chemistry with a "C" or better

Recommended Preparation: BIO 11
An examination of the fundamental biological concepts as they apply to viruses, bacteria, fungi, helminths and protozoa. Emphasis is placed on the prokaryotic cell. Theoretical as well as practical applications are discussed in such topics as bacterial cell structure, metabolism, genetics and mechanisms of infectious disease. Human immune defenses, chemotherapy and antibiotics are also discussed. Includes laboratory techniques and methods.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 19 MARINE BIOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: College-level introductory biology course (BIOL C1000)
Study of marine life including the description, distribution and natural history of marine organisms and their ecological relationships with the marine environment. Marine life of Southern California will be studied with an emphasis on ecology and adaptations. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 22 HUMAN GENETICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: BIOL C1000

Focuses on the processes of DNA replication, DNA recombination, gene expression, and mutation in diploid organisms. Includes a survey of human genetics and genetic disorders. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 28 PLANTS AND HUMAN AFFAIRS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the importance of plants and their products, in the shaping of human affairs and civilization. The history of agriculture, the utilization of plant products, and current environmental and social issues surrounding agriculture, including genetic engineering will be covered. For non-science majors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 30 HUMAN BIOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: BIOL C1000
A general introduction to human structure, functions, genetics, evolution, and ecology. The human organism is examined from the basic cellular level and genetics, through organ systems, to interaction with the outside world. Pertinent health topics such as nutrition, exercise and modern medical advances are also discussed.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 31 BIOLOGY OF PLANTS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Students will learn basic biological principles that are common to all eukaryotes and those that are specific to plants. The course introduces students to the anatomy, physiology, genetics, evolution, ecology and human uses of vascular plants. Laboratory exercises may include greenhouse and field trip activities.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 40 EVOLUTION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the theory of evolution. Emphasis will be placed on both the theory of evolution and the evidence for evolution. A non-majors course for students with little background in the sciences. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 43 ANIMAL BEHAVIOR
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: BIOL C1000
Analysis of the genetic, chemical, environmental, and experimental determinants of animal behavior. Discussions of gross manifestations and mechanisms of animal behavior will also be included. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 45 BIOLOGY OF HUMAN DISEASE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: BIOL C1000 or an Introductory Biology college level biology course
A basic introductory course on human diseases and disease processes. Relates disease and the disease process to the human anatomical and human physiological systems. This course does not meet the requirements of anatomy, physiology, or pathophysiology for nursing students.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 49 RESEARCH IN BIOLOGY AND BIOCHEMISTRY A
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Corequisite: BIO 4A

Provides a foundation for laboratory and/or field experience for advanced students in the biological sciences. Focuses on application of the scientific method through hypothesis generation and experimental design. Students will learn good laboratory practices, equipment use and care, and standard laboratory safety procedures and bioethical concerns associated with research. Credit may be earned for BIO 49 or 49H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 49H HONORS RESEARCH IN BIOLOGY AND BIOCHEMISTRY A
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Corequisite: BIO 4A

Provides a foundation for laboratory and/or field experience for advanced students in the biological sciences. Focuses on application of the scientific method through hypothesis generation and experimental design. Students will learn experimental design, science literature fluency, science writing and presentation, good laboratory practices, equipment use and care, and standard laboratory safety procedures and bioethical concerns associated with research. (HONORS: Original hypothesis-based research project and presentation are required to fulfill the objectives of the course.) Credit may be earned for BIO 49 or 49H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 50 RESEARCH IN BIOLOGY AND BIOCHEMISTRY B
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Prerequisite: BIO 4A or BIO 11

Provides advanced laboratory and field experience for students in the biological sciences. Continues the student's research experience with explicit laboratory and/or fieldwork focusing on equipment use and care, data collection, analysis, and interpretation, verbal and written presentation of results, and standard laboratory safety procedures and bioethical concerns associated with research. Credit may be earned for BIO 50 or 50H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 50H HONORS RESEARCH IN BIOLOGY AND BIOCHEMISTRY B
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Prerequisite: BIO 4A or BIO 11

Provides advanced laboratory and field experience for students in the biological sciences. Continues the student's research experience with explicit laboratory and/or fieldwork focusing on equipment use and care, data collection, analysis, and interpretation, verbal and written presentation of results, and standard laboratory safety procedures and bioethical concerns associated with research. (HONORS: Original hypothesis-based research and research presentation may be required to fulfill the objectives of the course.). Credit may be earned for BIO 50 or 50H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 110 HUMAN ANATOMY DISCUSSION
1.0 Unit 1.00 hour Lecture
Transfers: CSU

Corequisite: BIO 11

This discussion course affords students enrolled in BIO 11, Human Anatomy, the opportunity to develop background information, solve problems, extend discussion and exchange ideas concerning human structure. Discussion focuses on anatomical components and other key topics covered in BIO 11 as well as background information not generally covered in lecture. Designed to help students succeed in their study of human anatomy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 112 PATHOPHYSIOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: BIO 12

A study of the functional changes associated with, or resulting from, disease or injury in human nervous, muscular, skeletal, endocrine, cardiovascular, respiratory, excretory, digestive, and reproductive systems. Special emphasis will be placed on the relationship between the normal physiology and the physiological basis of the disease process with special references to clinical correlations. Designed for students pursuing a nursing degree.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 120 HUMAN PHYSIOLOGY DISCUSSION
1.5 Units 1.50 hours Lecture
Transfers: CSU
Corequisite: BIO 12

Designed to afford students enrolled in BIO 12, Human Physiology, the opportunity to develop background information, solve problems, extend discussion and exchange ideas concerning the function and integration of human organ systems. Discussions focus on physiological components and other key topics covered in BIO 12, as well as background information not generally covered in the lecture. Designed to help students succeed in their study of human physiology.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 130 COASTAL ECOSYSTEMS FIELD STUDIES
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Study of the ecology of the coastal environments. Includes origin of estuaries, morphology and parameters of estuarine basins, estuarine shores and substrates, and flora and fauna identification. Taught in the field (formerly BIO 230).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 134 EXTENDED ISLAND ECOSYSTEMS FIELD STUDIES
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Explores the natural history and ecology of Island Ecosystems. Includes an overview of the climate, evolutionary history, biogeography, community structure, natural history, and ecology of the plants, mammals, birds and insects of islands. Students also have the opportunity to gain an understanding of basic field techniques. Involves field study with required preliminary class meetings at Saddleback College. Students are responsible for transportation and costs associated with travel, camping equipment, and related expenses. Taught in the field (formerly BIO 234).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BIO 135 EXTENDED MOUNTAIN ECOSYSTEM FIELD STUDIES
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Explores the natural history and ecology of mountain ecosystems. Includes an overview of the climate, evolutionary history, biogeography, community structure, natural history, and ecology of the plants, mammals, birds and insects of mountain ranges. Students also have the opportunity to gain an understanding of basic field techniques. Includes field study with required preliminary class meetings at Saddleback College. Students are responsible for transportation and costs associated with travel, camping equipment, and related expenses (formerly BIO 235).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Business [BUS]

BUS 1 INTRODUCTION TO BUSINESS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Business concepts and practices; develops knowledge, thinking skills, and related business skills with regard to forms of ownership, management, finance, marketing, production, competition, technologies, global business, entrepreneurship, legal considerations, controls through which business organizations operate and other aspects of business.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: BUS 110

BUS 1H HONORS INTRODUCTION TO BUSINESS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Provides awareness of functions of business in society. Promotes an appreciation for business ownership; competition; and the systems, technology, and controls through which business organizations operate. Provides the opportunity for developing critical thinking skills regarding the role business plays in global economics and its effects on people. Off campus travel may be required to meet course objectives. Credit may be earned for BUS 1 or 1H, but not both. Letter grade only.
Grading Method: GN - Letter Grade only
NR
C-ID: BUS 110

BUS 10 BUSINESS STATISTICS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Prerequisite: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from business and economics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 13 LEGAL ENVIRONMENT AND BUSINESS LAW

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Fundamental legal principles pertaining to business transactions, legal processes, and law as an instrument of social and political control in society. Topics include sources of law and government regulations, ethics, contracts, torts, crime, agency and employment law, dispute resolution in and out of court, real and personal property, intellectual property, environmental law, bankruptcy, and business organizations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: BUS 120

BUS 13H HONORS LEGAL ENVIRONMENT AND BUSINESS LAW

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Fundamental legal principles pertaining to business transactions, legal processes, and law as an instrument of social and political control in society. Topics include sources of law and government regulations, ethics, contracts, torts, crime, agency and employment law, dispute resolution in and out of court, real and personal property, intellectual property, environmental law, bankruptcy, and business organizations. Credit may be earned for BUS 13 or 13H, but not both. Letter grade only.
Grading Method: GN - Letter Grade only
NR

BUS 16 PERSONAL LAW,STREET LAW

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Law for the individual and family for lifelong decision-making. Topics include law and society in the U.S. and around the world, role and purpose of lawyers in the U.S., legal issues associated with marital and family relationships, impairment of physical and mental health, property ownership, insurance coverage, employment, contracts, crime, torts, estate planning, housing, courts, finances, credit, identity theft, dispute resolution, personal privacy, consumer protection, and advocacy in the community and globally. Emphasis is on community-based service learning and preventive law to minimize negative consequences associated with legal problems and achieve optimal results in legal decision making and transactions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 21 BUSINESS ETHICS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course introduces students to business ethics and examines how individual morals and values, social circumstances and organizational environments affect decision making. Students will examine ethical concepts, including social responsibility, and current and emerging ethical issues, such as sustainability, technology, discrimination, and globalization. The course explores an ethical decision-making framework that integrates concepts from philosophy, psychology, sociology, and organizational behavior; reviews the evolution of ethical philosophies; and demonstrates how to develop and implement effective ethics programs in organizations. Case studies and current events provide opportunities for analysis, reflection, and application.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 102 ORAL BUSINESS COMMUNICATIONS

3.0 Units 3.00 hours Lecture

Transfers: CSU

Workplace oral communications skills and concepts, including the communication process, organizational theory, cultural awareness, critical listening, critical thinking, interpersonal communication, teamwork, meeting and leadership skills, interviewing, briefing, business etiquette, nonverbal communications, and reduction of communication anxiety. Students apply effective communication skills to real business situations. Students practice interviewing others and being interviewed. Students create and deliver business-based presentations using presentation software; they apply steps of locating, evaluating, and synthesizing data using databases and other appropriate sources, plus outlining, and delivering content.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 103 BUSINESS ENGLISH
3.0 Units 3.00 hours Lecture
Transfers: CSU

Correct English usage in business environments. Provides comprehensive instruction of grammar, punctuation, spelling, usage, and style as well as sentence structure. Needed for clear, concise, effective writing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 104 BUSINESS COMMUNICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: BUS 103 or ENGL C1000 or ENGL C1000H
Recommended Preparation: CIMA 108
Principles and styles of effective written business communications. Analyze business case studies to create appropriate business documents, such as letters, memorandums, reports, proposals, requests for proposals (RFPs), instructions, employment-related documents, as well as email and other online written business communications. Develop planning, organizing, and outlining skills as well as editing proficiency. Improve ethical, cultural, gender, and other awareness, grammar skills, writing style, and formatting skills. Participate in team and online assignments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: BUS 115

BUS 105 SOCIAL MEDIA MARKETING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Social media implications, opportunities, and challenges for business and communications professions. Students will participate in content creation. They will learn practical, ethical, and effective use of an array of social media sites, applications, and resources. They will evaluate the impact, effectiveness, and design of various elements of social media marketing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 106 LEGAL ASPECTS OF ENTREPRENEURSHIP
2.0 Units 2.00 hours Lecture
Transfers: CSU

Examines the legal implications involved in the creation, acquisition, and/or sale of a new business, profit or non-profit. Specific legal theory covering business formation, contract and lease negotiation, enforcement, protection of intellectual property, cyber law, employment law, contracts, and regulatory compliance including tax, environmental and labor issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 109 E-COMMERCE MARKETING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: BUS 135 Marketingand/orBUS 105 Social Media Marketing
Explores the operations, platforms, status, ethics, and emerging technologies of electronic commerce (e-commerce) from a marketer's perspective. Investigates a wide range of current, continuing, and emerging electronic commerce issues and implications for marketers in the dynamic e-commerce environment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 118 BUSINESS LEADERSHIP
3.0 Units 3.00 hours Lecture
Transfers: CSU

Prepares students for formal and informal leadership positions through the study of leadership theories and the development of leadership skills. The course examines leadership and cultivates the development of self as a leader, an understanding and application of problem-solving approaches, and an understanding and management of situational factors affecting leadership. Topics include leadership attributes, values, ethics, character, behavior, motivation, power, influence, decision making, and problem solving, as well as follower motivation, satisfaction, engagement and development, and team leadership.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 120 BUSINESS MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

Active learning approach to management concepts and practices: leading, planning, organizing, directing, controlling, making decisions. Develops and improves management skills in communicating, thinking critically, motivating, identifying/using resources, and making business/workplace decisions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 125 HUMAN RELATIONS IN BUSINESS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Management and development of effective human relations in business organizations. Focuses on people's responses to their work environment; creates awareness of policies and actions that prevent or resolve problems among individuals within groups; addresses effective communicating, motivating, team building skills, project management, and conflict resolution. Develops confidence and leadership; teaches methods of inquiry used in assessing management techniques; stimulates critical thinking about human organizational challenges, workforce diversity, and solutions aimed at greater productivity of individuals, groups, and customer service. Learn how to work effectively with colleagues and customers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 135 MARKETING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Marketing and its functions in organizations and society. Examines the strategic marketing process including planning, implementation, and evaluation. Covers various marketing strategies, such as segmentation, targeting, positioning, and marketing mix (product, price, place, and promotion) and explores how they contribute to the company's competitive advantage. Includes both classic and contemporary marketing tools, including interactive marketing, such as social media, mobile marketing, and e-commerce. Students apply concepts in case studies and simulations and create a marketing plan.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 136 PRINCIPLES OF RETAILING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Study of merchandising, marketing, management, staffing, buying, pricing, transaction/stock control, location, layout, service, e-commerce and digital marketing, consumer behavior and service, and current problems and trends as they apply to the retailing of goods and services.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 137 PROFESSIONAL SELLING FUNDAMENTALS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Principles, problems, and techniques of one-on-one selling of ideas, products, and services in today's business world. Practical experience via guided role-playing with techniques for success as a sales professional. Covers psychological and social aspects of buyer motivation, critical thinking, ethics, and presentation tools and skills as appropriate for personal selling.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 138 ADVERTISING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Contemporary advertising. Examines strategies, design, media selection, ethics, diversity, and inclusion. Addresses good copy, layout, and production of print and electronic media, including email, e-marketing, e-retailing, web sites, and social media. Covers profit and non-profit organizations; addresses business to business and business to consumer communications. Also listed as CTVR 138. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 150 INTERNATIONAL BUSINESS
3.0 Units 3.00 hours Lecture
Transfers: CSU

A comprehensive overview of international business focusing on U. S. and world cultural differences related to global business concepts and the issues and trends influencing global business decision-making. Includes analysis of economic, historical, cultural, social, technological, ethics and legal, environmental, educational, and language implications; emerging markets; international trade; foreign investments; financial markets; entrepreneurship; international management; and international business strategic planning issues and trends.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 160 ENTREPRENEURSHIP
3.0 Units 3.00 hours Lecture
Transfers: CSU

Proven principles of successful entrepreneurship and the steps necessary to create and sustain a new business. Includes creation of a business plan. Practical hands-on business course designed for students interested in starting their own business or for the new business owner. Fulfills Entrepreneurship certificate and degree requirements. Students will learn opportunity assessment, target markets, financial measurement metrics, legal considerations, and operational and management issues. Benefits and risks of business ownership; management and marketing a business from an entrepreneurial perspective. Students will create a business plan and develop strategies to secure financing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 172 FINANCIAL LITERACY
3.0 Units 3.00 hours Lecture
Transfers: CSU

Financial literacy for individuals and small businesses. Develops foundational skills related to managing personal finances, budgeting, tracking spending and investing, creating and achieving financial goals, insurance, debt, credit, compound interest, and time value of money. Investment topics include common and preferred stock, government and corporate bonds, mutual funds, real estate, and other financial securities. Also covered are structure and operation of financial markets, financial and investment information gathering, and using management tools for investing. Lifelong financial planning, comprehensive insurance coverage, tax planning, paying for college, pension, retirement, and estate planning issues are addressed, as well as effects of achieving/not achieving financial security on psychological and physiological health.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 180WE BUSINESS WORK EXPERIENCE
2.0-4.0 Units 6.00-12.00 hours Learning Center
Transfers: CSU

Hands-on experience in business management. Provides intermediate to advanced level opportunities for students to extend and apply their business management learning in a workplace environment (formally CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

BUS 182 LOGISTICS AND TRANSPORTATION MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

Practical knowledge and skills in logistics and traffic management, including logistics procedures and management, distribution and transport, modes of transportation (air, sea, road, rail), operators and forwarders, multimodal transport, cargo types, container types, key performance indicators, logistics technology including RFID and ERP: systems, documentation, and clearance processes, and international logistics and transport. This course prepares students to successfully pass the Transportation Operations CSCMP SCPro™ certification examination taken in the class. Credential is awarded by the Council of Supply Chain Management Professionals (CSCMP).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 183 INTEGRATED SUPPLY CHAIN MANAGEMENT AND DEMAND PLANNING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Provides students with knowledge and skills for integrated supply chain management and demand planning. Prepares students for designing and managing supply chains for logistics, cost efficiencies, and customer satisfaction. Investigates operations planning, scheduling, sequencing; forecasting and timely planning of orders, materials, capacity, and labor; supply chain networks, efficient product flows, distribution strategies, fulfillment options, and network designs. Prepares students to use technologies in supply chain management for effective supply management, including procurement fundamentals, purchasing processes, and strategic sourcing. This course prepares students to pass the Supply Chain Management Principles CSCMP SCPro™ certification exam taken in class. Credential is awarded by the Council of Supply Chain Management Professionals (CSCMP).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 196 WORKPLACE SUCCESS SKILLS
1.0 Unit 1.00 hour Lecture
Transfers: CSU

Teaches the employability skills needed to succeed in a professional career field or work organization. The focus of this class is to teach students transferable skills necessary to succeed in the ever-changing workplace through teamwork, problem-solving, communication, self-management and responsibility, and career readiness. Students will enhance soft skills, workplace skills, interpersonal skills, communication skills, and leadership skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 205 BUSINESS MATH
3.0 Units 3.00 hours Lecture

Mathematics used to solve typical business problems including simple interest, compound interest, installment sales, trade and cash discounts, markup percents, pricing, discounting notes and drafts, depreciation, taxes, insurance, business statistics, stocks and bonds, and distribution of ownership and profits. (formerly ACCT 214)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 223 HUMAN RESOURCE MANAGEMENT
3.0 Units 3.00 hours Lecture

Introduction to human resource management. Topics include HR procedures related to hiring and termination processes, employee evaluations, compensation and benefits, taxes, privacy, employee contracts and employee handbook or policy manual, personnel administration, labor relations, and workforce diversity, training, and development.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 224 MONEY, BANKS, AND FINANCIAL INSTITUTIONS
3.0 Units 3.00 hours Lecture

Provides students with understanding of the nature and role of money, banks, financial institutions, and monetary policy in the broader economy. Investigates banking regulations, ethics, financial instruments, and markets, including bonds, stocks, derivatives, and currency exchange. Surveys the role of banks, central banking, and monetary policy in the context of global financial markets and addresses unconventional policy tools, such as quantitative easing and forward guidance, and emerging payment developments, such as cryptocurrencies. This course is a component of student preparation to work in the banking and finance industries.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 225 PRINCIPLES OF BANKING
3.0 Units 3.00 hours Lecture

Provides students with knowledge and skills for careers in banking and financial services. Explores the banking industry and regulations, bank roles and responsibilities, and bank organization and operations management, including performance, compliance, risk, and capital and liquidity management. Identifies and describes bank products and services including deposit accounts, payments, lending, personal financial planning, and business and international banking. Examines marketing, sales, and customer-service methods used to build customer relationships. Explains how banks safeguard customer data, authenticate transactions, and protect against fraud.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 226 WAREHOUSE AND INVENTORY MANAGEMENT
3.0 Units 3.00 hours Lecture

Prepares students for warehousing and inventory logistics management. Topics include: warehousing logistics, functions, and costs; warehouse structure and operations; warehouse and inventory technologies; minimizing health and safety risks; strategic retail value chain; strategic replenishment; inventory stock analysis: demand forecasting, planning and controlling stock levels; inventory security and loss prevention. This course prepares students to successfully pass the Inventory Management and Warehousing Operations CSCMP SCPro™ certification exams taken in the class. Credentials are awarded by the Council of Supply Chain Management Professionals (CSCMP).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 227 EMPLOYMENT LAW
3.0 Units 3.00 hours Lecture

Provides students with knowledge and skills related to current employment laws, including recruitment and hiring, discrimination, compensation, benefits, health and safety, employer rights and duties, employee rights and duties, privacy concerns, collective bargaining, termination, dispute resolution, and other topics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 229 ORGANIZATIONAL BEHAVIOR
3.0 Units 3.00 hours Lecture

Provides students with an understanding of the behavior of people in organizations. Explores human behavior at the individual, interpersonal, and group levels and effects of organizational structure on each. Emphasizes managerial roles, ethics, and behavior in multi-cultural contexts, as well as practices and methods within organizations that facilitate or hamper effective behavior. Includes communication, motivation, group dynamics, leadership, power, organizational design and development, virtual environments, and other topics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 230 CUSTOMER SERVICE AND ORDER FULFILLMENT
1.0 Unit 1.00 hour Lecture

Skills and knowledge required for successful, effective customer service. Respond appropriately to customer requests, inquiries, or complaints. Apply listening skills, use positive communication skills, and develop and implement customer retention strategies. Match customer needs with products and services. Learn and practice order fulfillment procedures. This course prepares students to successfully pass the Customer Service Operations CSCMP SCPro™ certification examination taken in the class. The credential is awarded by the Council of Supply Chain Management Professionals (CSCMP).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 232 SALON MANAGEMENT
2.0 Units 2.00 hours Lecture

Recommended Preparation: Valid Cosmetologist, Barber, Esthetician, Hairstylist, or Manicurist license—or being in the process of obtaining licensure—is recommended.
The Salon Management course is for the licensed cosmetologist, barber, esthetician, hairstylist or manicurist. Prepares students to operate a salon or spa with a focus on business operations and entrepreneurial practices. Students learn how to operate a salon, manage employees, build and sustain clientele and customer relations, foster a positive working environment, and employ sales techniques. Students learn about business regulations and laws, lease and rent agreements, business permits, and all business licensure that is required in California. Students develop a salon/spa business plan with a design layout.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 237 FINANCING THE ENTREPRENEURIAL BUSINESS
1.5 Units 1.50 hours Lecture

Designed for entrepreneurs and future entrepreneurs as an introduction to the world of financing for new and existing businesses. Key topics include ways to find money and prepare for the fundraising process, types of financing and investors, basic guidelines of financing, principles and content of term sheets, methods to determine value of companies, and types of exit strategies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

BUS 260 SURVEY OF EXPORTING AND IMPORTING
3.0 Units 3.00 hours Lecture

Global trade. Exporting and importing procedures and regulations. Emphasizes international agreements, global marketing, channels of distribution, pricing, contracts, roles of United States government, organizations and agencies, customs brokers, duty rates, harmonized tariff schedule, basic laws and regulations affecting exports and imports, access, currency exchange and payment methods, tax implications, financing, letters of credit, documentation, country and commodity trade patterns, entrepreneurship. Students will research and prepare an importing plan for a given country, including an analysis of the relevant US governmental regulations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Chemistry [CHEM]

CHEM 1A GENERAL CHEMISTRY
5.0 Units 3.00 hours Lecture 6.00 hours Lab
Transfers: CSU, UC
Prerequisite: CHEM 3 and MATH 124 or math placement by the current assessment process.

An introduction to the principles of chemistry. Topics include: atomic and molecular structure, bonding, nomenclature, formulas, equations, stoichiometry, thermochemistry, gases, liquids, solids and solutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: CHEM 110

CHEM 1B GENERAL CHEMISTRY
5.0 Units 3.00 hours Lecture 6.00 hours Lab
Transfers: CSU, UC
Prerequisite: CHEM 1A

A continuation of CHEM 1A. Topics include equilibria, acids/bases, thermodynamics, electrochemistry, kinetics, coordination chemistry, nuclear chemistry, and qualitative analysis.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHEM 3 FUNDAMENTAL CHEMISTRY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: Placement by the current assessment process or successful completion of college level intermediate algebra with a "C" or better.

A study of basic principles of chemistry designed especially for the student who intends to take CHEM 1A but needs more preparation. Topics include problem-solving and calculation methods, nomenclature, formulas, equations, stoichiometry, thermochemistry, atomic and molecular structure, bonding, gases, solutions, equilibrium, acids, and bases.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: CHEM 101

CHEM 8 INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

A study of inorganic, organic, and biochemistry for health pre-professionals and non-science majors. The focus is on the biochemistry of the human body. Health, nutrition, and basic laboratory techniques are included. Formerly CHEM 108.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHEM 12A ORGANIC CHEMISTRY
5.0 Units 3.00 hours Lecture 6.00 hours Lab
Transfers: CSU, UC
Prerequisite: CHEM 1B

A study of the principles, theories, experimental methods, and instrumentation of organic chemistry. The course is recommended for students whose major is chemistry or a closely-related field such as biology, biochemistry or chemical engineering. Topics include the properties, reactions, synthesis, and analysis of organic compounds. The course focuses on nomenclature, chemical reactions of alkanes, alkenes, alkyl halides, alcohols, ethers, epoxides, delocalization of electrons, stereochemistry, organometallic chemistry, radicals, mass spectrometry, infrared spectroscopy, and nuclear magnetic resonance spectroscopy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: CHEM 150

CHEM 12B ORGANIC CHEMISTRY
5.0 Units 3.00 hours Lecture 6.00 hours Lab
Transfers: CSU, UC
Prerequisite: CHEM 12A

A continuation of CHEM 12A. Topics include properties, reactions, synthesis, and analysis of certain organic compound types, polynuclear and heterocyclic compounds, polymers, lipids, carbohydrates, amino acids, proteins and biochemical processes.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHEM 106 BASICS OF CHEMISTRY
2.0 Units 2.00 hours Lecture
Transfers: CSU
Prerequisite: CHEM 3 and MATH 124 or math placement by the current assessment process

CHEM 106 is a companion course to CHEM 1A that features practice problems and discussions specifically designed by the instructor to increase student success in CHEM 1A.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Child Development and Education [CDE/CDEV] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

CDEV C1000 CHILD GROWTH AND DEVELOPMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing children's development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. DS1. CAP Aligned. Formerly offered as CDE 7.
Grading Method: GN - Letter Grade only
NR
C-ID: CDEV 100

CDE 15 CHILD, FAMILY, AND COMMUNITY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

The processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children’s development, birth through adolescence. DS2, CAP Aligned.
Grading Method: GN - Letter Grade only
NR
C-ID: CDEV 110

CDE 18 EXCEPTIONAL CHILDREN
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to special education for K-12 students. Offers a survey and study of various characteristics of exceptional children. The primary focus will be on the categories of children with disabilities, but will include children at risk, and children from culturally diverse backgrounds. 20 hours of fieldwork are required in a variety of settings with special education students. DS5.
Grading Method: GN - Letter Grade only
NR

CDE 24 CHILD DEVELOPMENT: PRESCHOOL AND EARLY PRIMARY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Physical, cognitive, and social emotional development topics specifically related to children ages 3-6 years old. Includes physical and mental health including brain development; creativity and problem solving; and social and emotional development and supports. Addresses developmentally appropriate interactions, contextual influences, and the role of culture and families in children's development. CAP Aligned. Formerly CDE 124.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 26 SCHOOL AGE AND ADOLESCENT DEVELOPMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Physical, cognitive, social, and emotional, development of middle and adolescent children. Covers theoretical frameworks and various contexts in which development occurs, family and peer relationships, learning and motivation, the impact of educational systems, moral and identity development, school and work experiences, and contemporary societal issues and influences. Students will observe, record, analyze and interpret behaviors as they relate to developmental principles, theories and current research. Formerly CDE 126.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 31 EDUCATIONAL PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Provides an introductory examination of central theories of human development and learning in their application to contemporary educational settings including abilities, intelligence, social and emotional factors, and principles of learning. This course is intended for students preparing to teach elementary, middle, or high school (K-12).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 41 SECONDARY SCHOOL TEACHING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

History, philosophy and sociology of secondary education. Introduction to the California Teaching Performance Expectations and Assessments; needs of special populations, English learners, and struggling readers; content standards including Career Technical Education; and major curriculum reform documents. In addition, students will gain experience through a minimum of 45 hours of required field work in a California public middle or high school as follows: 35 hours at one site and 10 hours in various other sites/activities.
Grading Method: GN - Letter Grade only
NR

CDE 90 INTRO TO ELEMENTARY EDUCATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: CDEV C1000
Introduces concepts and issues related to teaching diverse learners in today's contemporary schools, Transitional Kindergarten through grade 12 (TK-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in California public school elementary general education classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher.
Grading Method: GN - Letter Grade only
NR
C-ID: EDUC 200

CDE 101 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDEV C1000
Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development. DS3, CAP aligned.
Grading Method: GN - Letter Grade only
NR
C-ID: ECE 120

CDE 110 INTRODUCTION TO CURRICULUM
3.0 Units 3.00 hours Lecture
Transfers: CSU

Limitation on Enrollment: Proof of current state-mandated immunizations and a negative TB test may be required for participation.
Recommended Preparation: CDEV C1000 and CDE 101
Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Requires a minimum of 50 hours of fieldwork in a faculty-approved early childhood setting. DS3, CAP Aligned.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECE 130

CDE 111 CHILD GUIDANCE AND COMMUNICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Introduction to the study of developmentally appropriate child guidance skills. Emphasis will be on communicating effectively with children, guiding children of varying ages, promoting self-control, and enhancing self-esteem.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 112 HEALTH, SAFETY, AND NUTRITION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101 and CDEV C1000
Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. DS7, CAP Aligned.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECE 220

CDE 113 MATH AND SCIENCE CURRICULUM EARLY CHILDHOOD EDUCATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDEV C1000, and CDE 110
Presents an integrated approach to developmentally appropriate science and math curriculum in early childhood settings for children 0-8. Includes use of state and national resources and standards, best practices in environmental design, and effective strategies for interactions, instruction, assessment, and documentation. Experiences planned on observation of children's interests and abilities will be emphasized. Does not count towards G.E. requirements in science or mathematics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 114 CREATIVE ART CURRICULUM FOR YOUNG CHILDREN
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDEV C1000, and CDE 110
Presents theoretical foundations and developmentally appropriate practices for selecting appropriate and various materials and media, designing supportive environments, and utilizing supportive interactions in the areas of creative, visual, and performing arts for young children ages 0-8. Includes review of state and national standards and best practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 115 LITERACY CURRICULUM IN EARLY CHILDHOOD EDUCATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDEV C1000, and CDE 110
Presents current research and best practices for teaching literacy in early childhood settings serving children ages 0-8. Material selection, and integrated activities, indoor and outdoor environments and assessment methods will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 117 TEACHING IN A DIVERSE SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDEV C1000, and CDE 15
Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences, oppression, and privilege on children’s development, learning, and school experiences and their families. Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored, as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers’ own culture and life experiences on teaching and interactions with children and families. CAP aligned
Grading Method: GN - Letter Grade only
NR
C-ID: ECE 230

CDE 119 CHALLENGING BEHAVIORS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDEV C1000
Appropriate for classroom teachers in various settings, students will identify developmentally appropriate behaviors, challenging behaviors and the various influences that effect children's behavior. Students will analyze children's behaviors and select strategies to make positive changes. Emphasizes the connection between children's social and emotional development and their success in the classroom, and how the teachers' perceptions, experiences, and behavior influence child behaviors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 120 OBSERVATION AND ASSESSMENT

3.0 Units 3.00 hours Lecture

Transfers: CSU

Recommended Preparation: CDE 101 and CDE 110

Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. CAP aligned.

Grading Method: GN - Letter Grade only

NR

C-ID: ECE 200

CDE 121 PRACTICUM-THE STUDENT TEACHING EXPERIENCE

4.0 Units 2.00 hours Lecture 6.00 hours Lab

Transfers: CSU

Prerequisite: CDE 110, CDEV C1000, CDE 15, CDE 101 and CDE 120

Limitation on Enrollment: Proof of current state mandated immunizations and negative TB test required for participation.

Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Requires 100 hours of student teaching in an approved early childhood classroom. CAP Aligned. DS3.

Grading Method: GN - Letter Grade only

NR

C-ID: ECE 210

CDE 123 INFANT AND TODDLER DEVELOPMENT

3.0 Units 3.00 hours Lecture

Transfers: CSU

Recommended Preparation: CDE 101

A study of infants and toddlers, from conception to 36 months, including the theoretical frameworks of development, and the impact of pregnancy, birth, and early life experiences on a child emotionally, socially, cognitively, and physically. Emphasizes the role of family, culture, caring and responsive adults, and attachment relationships on growth and development. DS4, CAP Aligned.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

CDE 127 ADULT SUPERVISION AND MENTORING

3.0 Units 3.00 hours Lecture

Transfers: CSU

Recommended Preparation: CDE 101 and CDE 110

Methods and principles of supervising, mentoring, and coaching student teachers and other adults in early care and education settings. Presents the strategies and skills necessary to support the development of adult learners as effective mentors, coaches, and teachers. Emphasis is on individualized, relationship- and strengths-based approaches, reflective practices, and constructive communication skills. Covers characteristics and roles, career requirements and pathways, and use of evaluation in setting professional learning goals. Satisfies the adult supervision requirement for the Child Development Permit and eligibility to apply for the California Mentor Teacher Program. DS6. CAP Aligned.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

CDE 128 ADMINISTRATION I - PROGRAMS IN EARLY CHILDHOOD EDUCATION

3.0 Units 3.00 hours Lecture

Transfers: CSU

Recommended Preparation: CDE 101 and CDE 110

Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program that is responsive to the needs of the community. DS6. CAP Aligned.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

CDE 129 ADMINISTRATION II-PERSONNEL & LEADERSHIP EARLY CHILDHOOD ED

3.0 Units 3.00 hours Lecture

Transfers: CSU

Recommended Preparation: CDE 101 and CDE 110

Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. DS6. CAP Aligned.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

CDE 133 INFANT AND TODDLER CARE AND CURRICULUM
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDE 110, and CDE 123
A study of research-based approaches related to the care and education of infants and toddlers in group settings. Examines theories of learning and development, regulations, and essential practices that lead to quality care and developmentally appropriate curriculum and environments for children birth to 36 months. Emphasizes strategies to promote healthy relationships in the care and education of infants and toddlers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 135 INTRODUCTION TO CHILDREN WITH DISABILITIES OR DELAYS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDE 15, CDEV C1000 and CDE 110
An introduction to the variations in the development of children with disabilities or delays ages birth through eight. Includes an overview of historical and societal influences, laws relating to children with disabilities or delays, and the assessment and referral process. Emphasizes the importance of working in partnership with families and specialists to support children's development
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 140 CURRICULUM STRATEGIES: CHILDREN WITH DISABILITIES OR DELAYS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: CDE 101, CDE 15, CDEV C1000, and CDE 110
Covers curriculum and intervention strategies for working with children with disabilities or delays in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. CAP Aligned.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CDE 180WE CHILD DEVELOPMENT AND EDUCATION WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Recommended Preparation: For Early Childhood Placements CDEV C1000, 15, 101, and/or 110, or For School Age/K-12 Placements CDEV C1000 and 18, 41, or 90
Provides an opportunity for work experience in faculty-approved child development and education settings. Student, instructor, and employer will collaboratively develop a minimum of three learning objectives, which will be evaluated throughout the course. Documentation of current immunizations may be required. May be used to meet the "Classroom Experience" requirement for the Child Development Permit, but does not fulfill the "Supervised Clinical Field Experience" of the Child Development Permit or hours required for the PK-3 Credential (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Chinese [CHI]

CHI 1 ELEMENTARY CHINESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in daily spoken Chinese. Emphasis is on reading and writing skills, as well as fundamental aspects of culture. Equivalent to two years high school Chinese.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHI 2 ELEMENTARY CHINESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CHI 1 or two years of high school Chinese
Designed to further the fundamentals of communicative competence in daily spoken Chinese. Although the focus remains on listening comprehension and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHI 3 INTERMEDIATE CHINESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CHI 2 or three years of high school Chinese
Intermediate level course focuses on fluency in reading, writing, speaking, and listening. Continues the study of Chinese cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHI 4 INTERMEDIATE CHINESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CHI 3 or four years of high school Chinese
Emphasizes fluency in speaking, reading, writing, and comprehension of Chinese. Includes selected readings and discussions from the basic four genres in Chinese and Chinese-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CHI 21 INTRODUCTION TO CHINESE CULTURE AND INFLUENCE IN THE U.S.
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: College-level reading ability
Provides a brief overview in English of the historical contours of Chinese culture. Areas of study include the present implications of the five thousand-year-long history, developmental imbalances as a consequence of geographical and communication barriers, the integrative power of the written language, the stability of the family system, and the tension between tradition and modernity. No prior study of the Chinese language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Cinema, Television, Radio [CTVR]

CTVR 1 MASS MEDIA AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
A study of mass media and media technology as they apply to society. Includes a study of media functions, responsibilities, practices, and influences, as well as a study of media law, ethics, history, development, and potential for the future. The course is designed to increase student awareness of the impact of mass media in shaping society. Also listed as JRN 1, CTVR 1H, and JRN 1H. Credit may be earned for only one course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 100

CTVR 1H HONORS MASS MEDIA AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
A study of mass media and media technology as they apply to society. Includes a study of media functions, responsibilities, practices, and influences, as well as a study of media law, ethics, history, development, and potential for the future. The course is designed to increase student awareness of the impact of mass media in shaping society. Also listed as JRN 1, CTVR 1, and JRN 1H. Credit may be earned for only one course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 2 HISTORY AND APPRECIATION OF TELEVISION BROADCASTING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Evaluation of television broadcasting as a medium of mass communication through exploration of its history, creative techniques, and relationship to society. Exploration of historical development and analysis of major works.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 3 THE HISTORY AND APPRECIATION OF AMERICAN CINEMA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Evaluation of American Cinema as an art form and a medium of mass communication through exploration of its history, literature, creative techniques, and relationship to society. Viewing and critiquing outstanding films from different eras of cinema's history. Credit for CTVR 3 or CTVR 3H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 3H HONORS HISTORY AND APPRECIATION OF AMERICAN CINEMA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Evaluation of American Cinema as an art form and a medium of mass communication through exploration of its history, literature, creative techniques, and relationship to society. Viewing and critiquing outstanding films from different eras of cinema's history. The Honors course is enriched by smaller class size, seminar discussions, and presentations. Credit for either CTVR 3 or CTVR 3H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 4 CINEMATIC STORYTELLING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Critical evaluation of principles, aesthetic, and historical, cultural, and social implications of narrative and non-narrative cinematic art. Analyzing the history of film as an art form, cultural appreciation, and social practices. Viewing and critiquing films of various movements in American society and from different parts of the world.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 5 HISTORY AND APPRECIATION OF INTERNATIONAL CINEMA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Evaluation of International Cinema as an art form and cultural force through exploration of its history, techniques, and relationship to society. Viewing and critiquing outstanding examples of international cinema genres from European, Latin, African, and Asian origins.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 7 CROSS CULTURAL CINEMA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Perspectives of underrepresented groups in US films. Examination of political, economic, and philosophical highlights of their work in front of and behind the camera. Analysis of the societal impact of these films.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 9 WOMEN IN CINEMA AND TELEVISION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A historical perspective on the role of women in film. Examination of political, economic, and philosophical highlights of the work of women in front of and behind the camera. Societal impact women have had in film.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 31 FILM PRODUCTION I
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: CTVR 101

Single-camera style narrative film production from pre-production and shooting to post-production. Skills specifically for narrative film production including language of cinematography, telling a visual story, character development, blocking and composition, basic lighting techniques and audio acquisition techniques, and master scene technique.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 32 FILM PRODUCTION II
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: CTVR 31

Recommended Preparation: CTVR 40
Production of short films to compete in film festivals. Emphasis on professional level films and personal development of skills. Single-camera narrative film style production with advanced digital film production equipment and non-linear editing programs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 40 TELEVISION AND FILM SCRIPTWRITING I
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes the theories, formats, practices, and organization in writing scripts for television broadcasting and film production. Includes character development, the rewrite, dialogue, format, story and structure. Student work will be considered for production by film production courses.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 42 TELEVISION AND FILM DIRECTING
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: CTVR 101

Specialized training in the elements of directing for film and television, including camera, directing talent, blocking and directing in post-production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 100 INTRODUCTION TO CINEMA, TELEVISION, AND RADIO
3.0 Units 3.00 hours Lecture
Transfers: CSU

Exploration of the history and organization of the radio, TV, and film industry. Overview of the technologies and organizational structure of the industry with emphasis on career opportunities in radio, TV, and film. Investigation of skills needed to be successful in broadcasting and film business.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 101 VIDEO PRODUCTION BASICS
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Introduction to video production including camera, audio, lighting, and editing. Development of an understanding of video technology and vocabulary. Application of video techniques and tools such as cameras, lights, audio, and non-linear editing. Application of aesthetic theory to student productions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 104 COLD READING AND INTERVIEW TECHNIQUES
3.0 Units 3.00 hours Lecture
Transfers: CSU

Acquisition of cold reading and interview techniques for performance related positions in film, television and radio.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 106 NEWS AND FEATURE VIDEO PRODUCTION
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: JRN 2 and CTVR 101
This course emphasizes video and broadcast skills, with a focus on video production, writing, and interviewing for a news magazine show. Students gain hands-on experience in shooting, editing, and producing digital content for news, sports, entertainment, and community events while mastering visual storytelling techniques. The course includes work in a professional, on-campus TV studio, where students can host on air, operate in a control room, or serve in production management roles to create a student-run show that airs on Cox cable. Students will enhance their online research and reporting skills, while exploring ethical aspects of multimedia production to prepare for success in the digital media industry. Also listed as JRN 106. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 110 AUDIO PRODUCTION
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Introduction to the basic principles and techniques of acquiring, developing, and producing material for various audio applications including: radio, internet, and other forms of media production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 111 AUDIO AND SOUND DESIGN FOR TELEVISION AND FILM
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: CTVR 101
An advanced hands-on course in audio-production and sound design techniques used for radio, television, film, and new media. Applications and techniques in the areas of recording, mixing, effects, and mastering. Audio terminology and current equipment technology in pre-production, production, and post-production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 113 RADIO BROADCASTING
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: CTVR 110
A hands-on introduction to radio broadcasting principles and techniques for producing radio shows in a variety of formats. Exploration of the radio industry, station structure, career opportunities and emerging broadcast platforms. Radio program produced by the student will be broadcast on the college radio station, OC Rock Radio.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 114 RADIO STATION ACTIVITIES
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: CTVR 110 and 113
Radio station operations. Development of on-air performance and broadcast equipment skills, with an emphasis on developing a format radio show. Students host live or voice-tracked air shifts on KSBR-FM HD2 and OC Rock Radio.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 115 ADVANCED RADIO PERFORMANCE AND STUDIO OPERATIONS
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: CTVR 113

Provides students with advanced practical instruction in broadcast and internet radio performance, regulations, studio equipment, and software. Students will have opportunity to hold live and recorded air shifts on the college radio stations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 124 TELEVISION PRODUCTION I
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: CTVR 101

A hands-on course in producing, directing, and shooting television shows. Extensive studio experience through 3-camera shooting, using all crew positions as well as field production. Projects will be broadcast on Cox Channel 39.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 125 TELEVISION PRODUCTION II
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: CTVR 124

An in-depth course emphasizing 3-camera studio and single-camera field production. Producing professional-level television shows for marketing and distribution.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 129 DOCUMENTARY PRODUCTION
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: CTVR 101

A hands-on production course focusing on documentary projects. Investigation of various styles of documentaries and production of documentary films.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 138 ADVERTISING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Contemporary advertising. Examines strategies, design, media selection, ethics, diversity, and inclusion. Addresses good copy, layout, and production of print and electronic media, including email, e-marketing, e-retailing, web sites, and social media. Covers profit and non-profit organizations; addresses business to business and business to consumer communications. Also listed as BUS 138. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 140 TELEVISION AND FILM SCRIPTWRITING II
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: CTVR 40

Comprehensive script writing from initial concept to final product including character development, 3-act story structure, dialogue and narrative in a middle- to feature-length format.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 151 NON-LINEAR EDITING I
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Introduction to the aesthetics and physical elements of editing on industry standard digital non-linear editing systems including Adobe Premiere and Final Cut Pro. Application of editing skills to different types of media production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 180WE CINEMA, TV, RADIO WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Hands-on experience for students in radio, television, and cinema production. Direct application of theory in a practical environment in pre-production, production, and post-production phases of programming (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

CTVR 191 VOICE-OVER AND ANNOUNCING
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Development of effective radio and television performance techniques stressing skills in narration, dubbing, and voice-over for industry, education, entertainment and commercials.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 233 FILM PRODUCTION III
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Prerequisite: CTVR 32
Recommended Preparation: CTVR 42, 140, 262
Advanced course focusing on producing large-scale narrative films for film festivals, using professional filmmaking tools including RED Digital Cinema. Acquisition of specialized skills in the pre-production, production and post-production of the picture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 251 NON-LINEAR EDITING II
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Prerequisite: CTVR 151

Comprehensive non-linear post-production techniques. Emphasis on the integration of picture editing, special digital effects, animation and sound design for various media formats.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 253 DIGITAL SPECIAL EFFECTS
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Prerequisite: CTVR 151

Introduction to creating digital special effects in the non-linear editing suite, using state-of-the-art special effects software including After Effects. Application of graphic images in digital video projects with techniques including key-frame animations, text effects, visual effect filters, and compositing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 262 PRODUCTION MANAGEMENT
3.0 Units 3.00 hours Lecture

Role of the producer, production manager, coordinator and assistant director through the pre-production, production, and post production phases. Emphasis on script breakdown, crew selection and hiring practices, industry work rules, production procedures, safety requirements and legal issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 264 CINEMATOGRAPHY
2.0 Units 1.50 hours Lecture 1.50 hours Lab

Prerequisite: CTVR 101

Introduction to the art and science of lighting for the camera. Proper set-up, identification, uses, and effects of lighting needed to create dramatic visual images. Relationship of lighting to the camera, exposure, shutter speed, ISO ratings, and filters.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 280 CINEMA-TELEVISION-RADIO EMPLOYMENT SKILLS
3.0 Units 3.00 hours Lecture

Recommended Preparation: CTVR 31 or 110 or 124 or 290 or 291

Training for job search and on the job skills needed to work successfully in any professional setting. Job skills in a professional working environment, such as a radio station, television production company, talent agency, or film studio. Development of a job marketing strategy and effective interview skills. Preparing to begin a startup company in media production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 290 ACTING FOR THE CAMERA I
3.0 Units 3.00 hours Lecture 1.00 hour Lab

An on-camera process class that develops technical and performance skills specific to film and television.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CTVR 291 ACTING FOR THE CAMERA II - CREATING A CHARACTER
3.0 Units 3.00 hours Lecture 1.00 hour Lab

An on-camera process class that develops technical skills and acting skills specific to the mediums of film and television. Using Meisner and Hagen techniques to create the reality of doing while working on immediacy, conditioning forces, character action and particularization.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Communication Studies [COMM] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

COMM C1000 INTRODUCTION TO PUBLIC SPEAKING
3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Credit may be earned for COMM C1000 or COMM C1000H, but not both. Formerly offered as COMM 1.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 110

COMM C1000H INTRODUCTION TO PUBLIC SPEAKING - HONORS
3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course. Credit may be earned for COMM C1000 or COMM C1000H, but not both. Formerly offered as COMM 1H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 110

COMM C1004 INTERPERSONAL COMMUNICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships including in personal, professional, and social situations. Formerly offered as COMM 5.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 130

COMM 2 PERSUASION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: COMM C1000/C1000H and/or ENGL C1000/C1000H with a grade of "C" or better
Examines theories and models of persuasion used in advertising, marketing, and political campaigns. Analyze cognitive, behavioral, and rhetorical theories that inform the likelihood of persuasion in intrapersonal, interpersonal, small group or mass communications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 190

COMM 3 ARGUMENTATION AND DEBATE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the principles of argumentation and competitive debate. Students gain a practical understanding of effective strategies for the construction and refutation of arguments that can be utilized in myriad personal and public situations. Research methodology, use of evidence, communication ethics, and the fundamentals of critical thinking will be emphasized.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 120

COMM 8 GENDER COMMUNICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Focuses on the interactive relationships between gender and communication. Includes verbal and nonverbal aspects of communication; social and cultural expectations and roles; problem analysis and decision-making specific to gender conflict. Enables students to appreciate gender differences and to listen and interact with others more effectively.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COMM 20 INTERCULTURAL COMMUNICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Designed to reveal how culture influences interaction patterns. Includes the theory and the process of communicating with people across cultural, ethnic, and racial divides, interaction in various contexts such as interpersonal relationships, small groups, and work environments. Current events, film, and multimedia used to analyze the impact of intercultural studies in today's society.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 150

COMM 30 INTRODUCTION TO ORAL INTERPRETATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of prose, poetry, and drama. Focuses on the analysis and criticism of literature, examines various interpretive theories within the context of the period written. Students will present and perform literary selections. Students are limited to a combined total of four enrollments in COMM/SP/TA 30 and COMM/SP/TA 32.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMM 170

COMM 32 INTERPRETERS' THEATRE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: COMM 30
Stressing the techniques of script preparation, direction, and staging of literature. Coursework will culminate in a student-performed and directed Interpreters' Theatre. Students are limited to a combined total of four enrollments in COMM/SP/TA 30 and COMM/SP/TA 32.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COMM 106 FORENSICS ACTIVITY
1.0-3.0 Units 1.00 hour Lecture 1.00-6.00 hours Lab
Transfers: CSU

Preparation for and presentation of materials for college-sponsored speech and debate activities and/or tournaments. Events include debate, platform speaking, and oral interpretation of literature. Participation is required for credit. Offered as open-entry/open-exit.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: COMM 160B

COMM 110 RHETORIC OF POPULAR CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Examines popular culture through the lens of rhetoric in order to see how cultural values, identity, and social structures are mediated through film, television, literature, advertising and other forms of mass media.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer and Information Management [CIM]

CIM 1 COMPUTER INFORMATION SYSTEMS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Examination of computer information systems and their role in business including computer hardware and software, networking, ethics, security, the Internet, the cloud and system and application software. Students apply these concepts and methods through hands-on projects to develop computer-based solutions to business problems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ITIS 120

CIM 8 INTRODUCTION TO DATA SCIENCE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Foundations of Data Science combines an introductory look into the fundamental skills and concepts of computer programming and inferential statistics with hands-on experience in analyzing datasets by using common tools within the industry. Additionally, the course investigates ethical issues surrounding Data Science, such as data privacy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 10 INTRODUCTION TO INFORMATION SYSTEMS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

An introductory concepts and applications software course. Emphasis on hardware and software analysis and design of computers and other types of information systems used for creating, maintaining, retrieving, printing, and communicating computer files. Exercises using word processing, spreadsheet, database, graphics, and communications software and an introduction to the Internet. Provides the experience necessary to recognize the major capabilities available in each software application and how the software applications work together in an integrated information systems environment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 112 MICROSOFT OFFICE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Provides exploration of Microsoft Office 365 cloud solution. Course focuses on using a cloud solution to create Word documents, Excel spreadsheets and PowerPoint presentations that are both universally available and editable on PC/Mac, tablets and smartphones. This cloud solution entails using Microsoft's OneDrive for storage and Office 365 applications such as Excel, Word, PowerPoint and others.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 120 COMPUTER LITERACY
1.5 Units 1.00 hour Lecture 1.50 hours Lab
Transfers: CSU

Provides students with basic knowledge of how computers are used in today's world. Focuses on using the computer as a tool to manage information, access the Internet, using modern day mobile devices like tablets and smartphones, Use of intelligent devices as a method of telecommunication with others, and enhance life-long learning in a technologically-changing society. Exercises in using word processing, spreadsheet, database, graphics, and communications software. No computer experience is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 121A KEYBOARDING FOR COMPUTERS - BEGINNING
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU

Designed to introduce touch keyboarding of letter, number, and symbol keys on the computer. For business and/or personal use. Introduces basic computer operation; no previous computer or typewriting experience required. Course provides training to be able to type 15 words per minute.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 121B KEYBOARDING FOR COMPUTERS - INTERMEDIATE
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIM 121A
Builds keyboarding speed and accuracy. Introduces word processing command keys and formats to produce basic tables, business letters, memos, and reports. Course provides training to be able to type 30 words per minute.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 121C KEYBOARDING FOR COMPUTERS - ADVANCED
1.5 Units 0.50 hour Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIM 121B
Improves keyboarding speed and accuracy. Expands use of word processing command keys and format features to produce complex memorandums, letters, tables, bound and unbound reports, and job application documents. Course provides training to be able to type 45 words per minute.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIM 180WE COMPUTER INFORMATION MANAGEMENT WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Hands-on experience in related Computer Information Management aka Information Technology - Information Science (CIM/ITIS). Provides basic to intermediate level opportunities for students to extend and apply their CIM/ITIS learning in a workplace environment.
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Computer Info Management Applications [CIMA]

CIMA 30 INTRODUCTION TO ARTIFICIAL INTELLIGENCE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Course introduces the recently popular field of Artificial Intelligence (AI). Topics covered include the history and future of AI, different AI models, prompt engineering, Machine Learning, Neural Networks, and Chatbots. Students will incorporate AI with existing applications using ChatGPT, Dall-e, Google Bard, and Microsoft 365 Copilot. More specifically, students will use the latest version of Microsoft Office 365 with both ChatGPT and Copilot. Formerly CIMA 130.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 102 WORD PROCESSING - WORD
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Provides training on the use of word processing software such as Microsoft Word. Students will utilize program features to create, edit, and format documents for personal and business use.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 104 SPREADSHEETS - EXCEL
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Provides information and training in the use of computer-based spreadsheet software for business applications. Workbooks will be produced for a variety of applications. Using Microsoft Excel students will learn how to create workbooks, implement formulas/equations, format tables, perform lookup, and create charts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 105 MICROSOFT EXCEL FOR DATA ANALYTICS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIMA 104 and knowledge of pivot tables
Analysis of organizational data for business decision making using Excel. Data modeling techniques will be used to data mine and organize data from a variety of different sources including databases, text data and unstructured data repositories. Students will work with data to correct errors, combine different sources of data together and format the results for understanding. Popular data analytics tools Microsoft's Power BI, Tableau and other tools will be used in the course for data analytics and data visualization. Includes preparation for professional data analytics certifications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 106 DATABASE - ACCESS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Utilize database management software to generate applications for solving business problems. Emphasis is on concepts and procedures for designing databases and producing reports. Database objects such as tables, forms, queries, and reports will be created. The course also includes CoPilot AI integration, Office 365 using SharePoint as a cloud drive and Microsoft PowerApps as the Web/Mobile interface. The course includes analytical thinking by synthesizing information from multiple data sources to synthesize information into a higher level of understanding.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 108 BUSINESS PRESENTATIONS - POWERPOINT
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Surveys the concepts, structures, and processes utilized in developing and managing professional business presentations using commercially available software packages such as Microsoft PowerPoint. Students will create a variety of presentation formats.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 136 INTRODUCTION TO MACHINE LEARNING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Combining data, computation, and inferential thinking, data science redefines how people and organizations solve challenging problems and understand their world. We explore key areas of data science, including question formulation, data collection and cleaning, visualization, statistical inference, predictive modeling, and decision-making. These include languages for transforming, querying, and analyzing data; algorithms for machine learning methods, including regression, classification, and clustering; statistical concepts of measurement error and prediction; and salable data processing techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 204 ADVANCED SPREADSHEETS - EXCEL
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 104
Develop competencies in the advanced topics of Microsoft Excel spreadsheet software. Create PivotTables and PivotCharts. Use advanced specialized math, statistical, logical, financial and lookup functions. Create macros, sumifs,templates and styles and prepare workbooks for distribution. Use collaboration tools, data analysis, solver, and scenario features. Audit worksheets.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 212 MANAGING PROJECTS WITH MICROSOFT PROJECT
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Learn to create a complete Microsoft Project schedule with tasks and task relationships. Edit and organize a project, assign resources to the tasks, and use Project views to get information. Learn to sort, find, and filter tasks or resources in a project; use views, tables, details, groups, and filters to view project information; create and edit views, tables, and filters; shorten the critical path of the project and use task paths; manage the project's resources; manage and view cost information; format and print views, Gantt charts, calendars, and reports; and track the completion of tasks in the project.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 223A COMPUTERIZED ACCOUNTING - QUICKBOOKS--BEGINNING
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Provides background and training in the use of QuickBooks software. Will briefly highlight all four active versions of QuickBooks: Online, Pro, Premier and Enterprise. Course emphasis will be either QuickBooks Desktop or QuickBooks online. Business accounting records are set up to handle chart of accounts, merchandise, customers and receivables, vendors, and payables, banking, inventory, and reports.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 223B COMPUTERIZED ACCOUNTING - QUICKBOOKS--ADVANCED
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Recommended Preparation: CIMA 223A
Provides training in advanced business accounting procedures in QuickBooks. Course briefly discusses all four versions of QuickBook: pro, online, premier and Enterprise will be discussed. Course will then emphasis either Quickbooks online or QuickBooks desktop. Focus is on small business. Includes inventory setup, employee and payroll setup, sales tax setup, estimates, time tracking, pass through expenses, and adjustment and year-end procedures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 233 BUSINESS APPLICATIONS WITH ARTIFICIAL INTELLIGENCE
3.0 Units 2.00 hours Lecture 3.00 hours Lab

The course introduces the development of artificial intelligence (AI) applications, including chatbots, virtual agents, websites, and business application development. The course will also include prompt engineering for the optimal benefit of the applications. More specifically, students will use different foundation models to build applications in a variety of environments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMA 288 DATABASE REPORTING
3.5 Units 3.00 hours Lecture 1.50 hours Lab

Provides students with the knowledge and skills to turn raw data into business intelligence through use of tools such as Microsoft Power BI and Tableau. Students will create data visualizations, dashboards and reports that can be analyzed and shared. Students will create basic data models by connecting to various data sources.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer Info Management Networking & Operating Systems [CIMN]

CIMN 100 COMPUTER OPERATING SYSTEMS-WINDOWS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Skills include manipulating files and folders in Window's scheme of file management. Competency will be gained using Windows supplied programs to create, save, and print files and customize the desktop. Ability to manage applications and notifications. Use of Edge and Internet Explorer which provides web access will be covered. Ability to install and manage peripheral devices. Set up and use a small network to share information will be introduced. Ability to manage user and accounts and settings and manage power and access options. Students will learn to maintain and optimize their computer's performance, backing up files, using the Microsoft Account and One Drive. End-user techniques for diagnostic and trouble-shooting procedures will be learned.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 110 NETWORKING ESSENTIALS AND TECHNOLOGIES FOR IT CYBERSECURITY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

This course also provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level Information Communication Technology (ICT) professionals. The fundamentals of computer hardware and software as they relate to the responsibilities of an ICT professional will be introduced. Preparation for the CompTIA A+ certification exams,
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 120 INTRODUCTION TO NETWORKING:COMPTIA NETWORK+
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Includes preparation for the CompTIA Network+ certification exam. This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 130 COMPUTER OPERATING SYSTEMS - UNIX AND LINUX
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Includes preparation for the CompTIA LInux+ exam. Provides an overview of operating system concepts. Presents implementation through the use of UNIX/Linux commands. Operating system concepts such as file systems, variables, and permissions are discussed. Students use a computer system to execute problem-solving exercises using UNIX/Linux commands, both in the shell and in the GUI (Graphical User Interface). Students learn and use commands that are necessary for maintaining a UNIX/Linux workstation including file and directory management commands, editors, pipes, filters and redirection commands, permissions, processes and elementary shell scripting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 140 FUNDAMENTAL UNIX/LINUX SYSTEM ADMINISTRATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIMN 130
Course includes test preparation for COMPTIA Linux+ and Server+ certifications. Specifically course provides a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical / software security procedures; become familiar with industry terminology and concepts; understand server roles / specializations and interaction within the overall computing environment. Topics include installing UNIX/Linux; configuring X windows and system hardware; file system creation, backup and maintenance; boot process; administering user and group accounts; network and printing integration.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 160 CISCO CCNA: ROUTING AND SWITCHING ESSENTIALS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Qualifies the student to take the first CCNA exam in the CCNA 7.0 network academy. This course covers: advances in modern network technologies, implementing initial settings including passwords, IP addressing, and default gateway parameters on a network switch and end devices. Course explains how network protocols enable devices to access local and remote network resources, and how physical layer protocols, services, and network media support communications across data networks. Students learn how to configure a router and a switch for basic functionality. Provides a firm foundation of Cisco's IOS, routing and protocols, layered communications, and WAN strategies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMN 220A MCSE CERTIFICATION EXAM PREP I
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prepares students for Microsoft Certified Exam initial Azure Cloud exam. Specifically, the course covers concepts of the cloud including virtual machines, networking, security, web services and determining costs. The course includes the fundamental concepts of the cloud.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer Info Management Programming [CIMP]

CIMP 3 INTRODUCTION TO VIDEO GAME DESIGN
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU, UC

Specifically, the course covers languages both scripting and programming, AI concepts, level design, storytelling, careers, relationship to technology (especially CPU/GPU/SOC), video game history, development cycles, DirectX, OpenGL, game engines like unity and unreal. The class uses strategy video games to demonstrate concepts and theory. Also includes Virtual reality, mobile gaming, immersion, virtual, augmented reality glasses, and the future of computers/ video games. The course is project-oriented allowing either programming or nonprogramming options such as Unity, Raspberry PI, Visual Novels, level-editors, 3D software, research papers, and a very permissive set of alternatives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 5 BUSINESS PROGRAMMING I - VISUAL BASIC
3.5 Units 3.00 hours Lecture 1.50 hours Lab
Transfers: CSU, UC

Provides an introduction to the fundamentals of event driven, object-oriented programming using Microsoft Visual Basic. Emphasis is on business application development. Topics include graphical design of Windows, programming event procedures, general procedures, and application development with multiple windows. Students will create complete applications in addition to weekly exercises in visual programming.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 7A BUSINESS PROGRAMMING - JAVA--BEGINNING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Java language and object-oriented programming will be utilized to develop business applications. Discussion topics include: the significance of Java as an object-oriented programming tool, classes and methods, input and output, arrays, inheritance, information hiding, polymorphism, encapsulation, primitive types, flow control, interfaces, packages, Integrated Developers Environments (IDE) and the Java API.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 7B BUSINESS PROGRAMMING - JAVA--ADVANCED
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: CIMP 7A
An in-depth study of advanced Java programming concepts. Provides skill in advanced programming, arrays, sorting, sockets, exception handling, file handling, networking, dynamic data structures, HTML, threads, multi-threading, Sorting, container classes, GUI text input/output (I/O), events, listeners, Swing or Abstract Windowing Toolkit (AWT), graphics, Applications Programmer Interface (API), utility package, Object-Oriented Programming (OOP), inheritance, information handling, and recursion.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 8A PROGRAMMING WITH PYTHON
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Introductory programming course teaching standard algorithmic programming concepts using the Python programming language. Class covers syntax, variables, strings, conditions, flow control structures loops, switches, classes, database connections, utilities, short-circuit evaluations and frameworks. Class also covers data structures using sets, frozen sets, lists, arrays and dictionaries. No prior coding experience necessary. Class includes many python programming assignments and one large programming project.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 8B ADVANCED PYTHON PROGRAMMING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: CIMP 8A

Development of advanced python programs for problems using library modules for applications including graphics, data analytics, GUI, databases, web, networking programming, and gaming. Object-oriented programming (OOP) concepts of classes, inheritance and polymorphism will be used for program development.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ITIS 130

CIMP 115 BUSINESS PROGRAMMING--C#
3.5 Units 3.00 hours Lecture 1.50 hours Lab
Transfers: CSU

Emphasizes C# and object-oriented programming for software development of business applications. Includes familiarity with Visual Studio.NET as a development environment and introduction to all the .NET languages supported by the .NET framework and .NET core. Introduces C# as an object-oriented language that makes extensive use of all object-oriented programming concepts such as inheritance, polymorphism, and overloading. Also includes class design and use, strict data typing, method construction and use, and other programming concepts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 220 ANDROID MOBILE APPS - BEGINNER
3.5 Units 3.00 hours Lecture 1.50 hours Lab

Recommended Preparation: CIMP 7A
Create mobile Android applications. Installing and using Android Studio or other leading Android IDE along with the the latest Android SDK. In addition course covers both Java JDK and other popular JVM languages like Kotlin. Both JVM and DVM (Dalvik Virtual Machine) are discussed. From app development perspective class covers: activities and intents, displaying notifications, creating rich user interfaces, mastering views and menus, managing data, working with SMS and messaging API's, using location-based services, packaging and publishing application to the Android market.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 235 IPHONE & IPAD PROGRAMMING BEGINNING
3.5 Units 3.00 hours Lecture 1.50 hours Lab

For students new to programming or desiring more experience in app development this course uses Apple's Xcode program to create projects that run on iPhones, iPads and related devices. No hardware or software is required. Programming is done with Swift which provides a user-friendly introduction to object-oriented coding which is applicable to all modern languages. Students will design (story board), code and test complete applications that include various features of the iOS (Apple) development environment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMP 241 CLOUD COMPUTING FOR DEVELOPERS
3.5 Units 3.00 hours Lecture 2.00 hours Lab

Course explores four types of modern day IT Infrastructures: on-premise, Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS). Building and scaling virtual machines, deploying and managing scalable web sites, designing mobile service back ends, data services including SQL Database, plus storage services such as Table and Blob storage. Also discusses serverless message passing loosely coupled architectures. Class will also examine various cloud services including: Database (SQL, NoSQL, Big Data), messaging, security, and software development libraries. Development both locally in Visual Studio and directly in the cloud portal.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer Info Management Security [CIMS]

CIMS 130 INTRO TO INFORMATION SYSTEMS SECURITY: COMPTIA SECURITY+
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Provides a comprehensive overview of network security, information technology security and risk management at the organization level including authentication methods, common network attacks, safeguarding against attacks, remote access, email, the web, directory and file transfer, wireless data, various network devices and media, and proper use of perimeter topologies such as DMZs, Extranets, Intranets, basic and advance cryptography, and operational and organizational security. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. Preparation for the CompTIA Security+ certificate.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 140 INTRODUCTION TO COMPUTER FORENSICS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Students learn skills to launch and properly complete a successful computer forensics investigation, beginning with a discussion of ethics while mapping to the International Association of Computer Investigative Specialists (IACIS) certification objectives. The course includes specific preparation for the DOD-approved EC-Council's CHFI (Computer Hacking Forensic Investigator) exam. Topics covered include an overview of computer forensics as a profession, the computer investigation process, understanding operating systems boot processes, disk structures; data acquisition and analysis; technical writing; setting up a forensics lab; and a review of familiar computer forensics tools. Features free downloads of the latest forensic software, so students can become familiar with the tools of the trade.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 150 INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Prepares students for passing the EC-Council's Certified Ethical Hacker (CEH) exam, a DoD Directive 8140.01 Cyberspace Workforce Management approved certificate. 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 emphasizes network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students experience a hands-on practical approach to penetration testing measures and ethical hacking.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 153 COMPTIA PENTEST+
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

This course prepares a student for the CompTIA PenTest+ certification. CompTIA PenTest+ is a certification that validates the skills needed for penetration testing and security consulting, covering all stages of the process. It includes hands-on tasks and knowledge-based questions, focusing on current cybersecurity trends and techniques. The course covers new techniques for analyzing targets, selecting the best approach, and performing network, wireless, application-based, and cloud attacks. Learn about artificial intelligence (AI) attacks and scripting automation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 155 CYBERSECURITY ANALYSIS – COMPTIA CYSA+
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIMN 120 and CIMS 130
This course provides preparation for the DOD recommended intermediate level CompTIA CySa+ certification exam. In this course students will learn how to configure and use threat detection tools, perform data analysis, and interpret the results to identify vulnerabilities, threats, and risks to an organization with the end goal of securing and protecting applications and systems within an organization. The course covers skills used by IT security analysts, vulnerability analysts, or threat intelligence analysts with a technical, “hands-on” focus on IT security analytics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 165 CYBERSECURITY OPERATIONS- CISCO CCNA CYBER OPS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CIMS 130 and CIMN 120
This course equips students with the knowledge and skills needed by today's organizations that are challenged with rapidly detecting cybersecurity breaches and effectively responding to security incidents. The student would be part of a team of people in Security Operations Centers (SOC's) keeping a vigilant eye on security systems, protecting their organizations by detecting and responding to cybersecurity threats. Cisco Certified Network Associate (CCNA) Cyber Ops prepares candidates to begin a career working with associate-level cybersecurity analysts within a security operations centers. Includes preparation for Cisco's CCNA CyberOps exam.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMS 271 CLOUD SECURITY FUNDAMENTALS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMS 130

Course includes test preparation for the Certified Cloud Security Professional (CCSP) or similar exam. Students learn how to evaluate cloud providers and perform risk assessments and reviews. The course examines different delivery models ranging from Software as a Service (SaaS) to Infrastructure as a Service (IaaS) and how each model represents an entirely separate set of security conditions. The course will also touch on architecture and infrastructure fundamentals for the clouds, including a wide range of topics such as patch and configuration management, virtualization security, application security, and change management. Policy, risk assessment, and governance within cloud environments will also be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ITIS 171

Computer Info Management Web Development [CIMW]

CIMW 100A WEB SITE DEVELOPMENT - HTML-BEGINNING

1.5 Units 1.00 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: CIMN 100
Utilize Hypertext Markup Language (HTML) code to construct basic web pages and web sites. Topics include text formatting commands,links, and email. Identify and use recommended Web site design practices. Use visual elements, graphics, hyperlinks, lists, tables columns, page layout and validating web pages in web sites. Identify and apply steps to publish web pages to a server using File Transfer Protocol (FTP) software.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 100B WEB SITE DEVELOPMENT - HTML--ADVANCED

1.5 Units 1.00 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: CIMW 100A
Continuation of CIMW 100A. Introduces advanced concepts of HTML 5.0 for creating web pages that enable improved web delivery of information. Topics include tables, forms and semantic tags. Discussions on server-side processing, job roles required for a successful web project development, web hosting and introduction to basic JavaScript. Includes, use and function of multimedia, and video. Students will construct web sites that use multimedia features such as sounds, and video.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 105 WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL

3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Introduction to databases, web server-side databases and the Structured Query Language (SQL). Course uses MySQL or MariaDB to create, manipulate, and query databases. Covers the fundamentals of a relational database, basic selection queries, sub-queries, multiple table queries, joins, aggregate calculations, updating data, MySQL database administration, data definition and manipulation, views, sorting, triggers, constraints, indexes and basic introduction to PL/SQL. Course includes Analytical thinking by synthesizing information from multiple data sources to synthesize information into higher level of understanding. Course also discusses cloud database services of SQL, NoSQL, big data and caching.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 115 INTRO CREATING WEB PAGES DREAMWEAVER AND WORD PRESS

3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Introduction to web design and development in creating web pages using modern tools such as Adobe Dreamweaver and WordPress. Teaches basic introduction to HTML and CSS following World Wide Web Consortium (W3C) guidelines and validation. Provides an overview of FTP, internet, social implications, accessibility, and web security. Students will maintain a website on a World Wide Web (WWW) server consisting of HTML, advanced HTML elements such as links, tables, forms, intro JavaScript validation, object and frames, and basic CSS selectors. Using CSS students will configure layouts, fonts, colors and other properties. Includes website integration of Microsoft Word, graphics, video, and sound. Introduces basic web animation and video editing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 134 WEB DIGITAL MEDIA- PHOTOSHOP AND INTRO TO VIDEO EDITING

3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Fundamentals of digital image processing, retouching, and painting as used on the web in business. Course explores fundamental concepts of Digital Media production, including manipulating images both conceptually and technically. Students will create digital artworks using current information technology software such as Adobe Photoshop. All projects will be presented on student websites. Students will create projects in digital imaging, net.art/websites, and digital video. Basic video editing will be done using Adobe Photoshop and Premiere Pro. Adobe After Effects will be used to add special effects to videos. Student artworks will emphasize creativity, critical thinking, problem solving and computer literacy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 140 CSS (CASCADING STYLE SHEETS) & RWD (RESPONSIVE WEB DESIGN)

3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Explores how to use Cascading Style Sheets (CSS) to take your HTML web pages to the next level. Covers all basic CSS fundamentals including page layout, positioning, text properties, margins, borders, colors, background images, typography, and CSS3 features border-radius, box-shadow, gradients, and text-shadow. The course also look at CSS4 modules such as flex and advance media queries. Both Dreamweaver and web browsers inspect tools are used for editing, testing and visualizing CSS. Responsive Web Design (RWD) will be discussed to create web pages that will render on multiple devices smartphone, tablet or PC. Course also discusses RWD frameworks like skeleton, bootstrap and bulletproof page layouts that allow one to apply CSS presentation to content with known structure.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 145 WEB DEVELOPMENT - PHP, CMS AND WORDPRESS AND E-COMMERCE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Covers server-side web development using the PHP scripting language. Create dynamic server-side web pages. Topics include PHP syntax, variables, HTML forms, superglobals, arithmetic operations, numbers, strings, control structures, arrays, creating functions, XML, FTP, IDE setup, and folders. Includes introduction to MySQL, PHP with MySQL, advanced PHP MySQL integration and PHP with client-side JavaScript/ AJAX. Students will create and maintain PHP programs on a World Wide Web (WWW) server. Also includes an introduction to Content Management Systems (CMS), WordPress, and E-Commerce.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 160 WEB DEVELOPMENT - JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Client-side World Wide Web (WWW) development using JavaScript and JavaScript Frameworks including jQuery, jQuery UI (User Interface), React.js or Vu.js, RWD (Responsive Web Design) Frameworks like Bootstrap, and introduction to Asynchronous JavaScript and XML (AJAX). Includes an overview of basic JavaScript programming: data types, operators, functions, events, control structures, Browser Object Model, Window Object Model, Document Object Model, HTML forms, JavaScript regular expression validation, web browser debugging, cookies, CSS style object, and website mashups using AJAX.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 207 SOCIAL MEDIA & WEB FUNDAMENTALS
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Overview of the historical and current aspects of the Internet, online communications, and social networking basics. Students are introduced to netiquette, 508 standards, electronic mail, discussion groups, video and non-video chat rooms, search techniques and tools, the World Wide Web, Internet browsers and add-ons for web browsers. Web page development, design, content and security issues are introduced.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 241 INTRODUCTION TO CONTENT MANAGEMENT SYSTEMS (CMS)-WORDPRESS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMW 115
An introduction to using WordPress as a Content Management System (CMS) as social networking blogging platform and as a content management system for websites. Students will learn to install, configure, and build and publish blogs and develop small web sites. Topics covered will include hosting options, content creation and management, installing WordPress themes and widgets, using feeds, podcasting, social media integration, using posts and pages, formatting posts and pages, scheduling, categorizing and tagging posts, adding images, using themes and templates, adding plugins, managing comments, creating users and utilizing WordPress settings along with advanced formatting features including maintenance and security.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 250 MICROSOFT ASP.NET--BEGINNING
3.5 Units 3.00 hours Lecture 1.50 hours Lab

Using open-source .Net Framework, C#, Microsoft Visual Studio to develop dynamic web apps that run on web servers deployed to the cloud. Course technologies include reviewing the C# language, object-oriented programming, creating interactive websites, building server-to-server web services, and interactively exchanging (JSON) data with local and cloud databases. Using .Net Core framework to create MVC architecture, Razor Pages, Web API development, authentication and authorization, dependency injection, Entity Framework Core, and deployment strategies. Requires access to a Windows computer.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CIMW 280 WEB DESIGN - CAPSTONE PORTFOLIO PROJECT
1.5 Units 1.00 hour Lecture 2.00 hours Lab

Enables the student to demonstrate the mastery of the learning objectives in the Webmaster, Web Designer, or E-Commerce Specialist programs. Guides the student through the process of developing a portfolio. Focuses on demonstration of the knowledge, skills, and techniques required to plan, develop, and implement a portfolio website on the World Wide Web (WWW). Includes discussion on advanced CSS sites, Adobe Creative Suite, Adobe Dreamweaver, Responsive Web Design (RWD), RWD Frameworks such as Bootstrap, Search Engine Optimization (SEO), image viewers, sliders, and use of various technologies to develop a portfolio website. Also includes comprehensive review of basic concepts covered in certificate courses: Dreamweaver, HTML, CSS, JavaScript, SQL and PHP. Should be taken in the final semester of the program.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer Maintenance Technology [CMT]

CMT 215 ELECTRONICS FOR COMPUTER TECHNOLOGISTS
3.0 Units 3.00 hours Lecture

Basics of electronics for computer technologists, including terminology, components, circuits, signals, test equipment, and troubleshooting. Includes both DC and AC fundamentals, plus discrete components and integrated circuits related to computer technology and associated hardware. The emphasis is on concepts without extensive numerical analysis and calculations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CMT 220 COMPUTER MAINTENANCE AND REPAIR I
3.0 Units 2.50 hours Lecture 1.50 hours Lab

First course of two in the sequence covering the basics of computer maintenance and repair. Includes PC hardware overview, motherboards, microprocessors, power supplies, memory, expansion buses, hard disk drives, and optical drives. Lab exercises with PCs give hands-on experience of the topics being studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CMT 225 COMPUTER MAINTENANCE AND REPAIR II
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: CMT 220
Second course in the sequence covering the basics of computer maintenance and repair. Includes printers, communication devices, display technologies and video adapters, wired and wireless networks, virtualization, mobile devices, Windows maintenance and optimization, Windows troubleshooting, and computer security. Lab exercises give hands-on experience of the topics being studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CMT 230 APPLIED NETWORK TECHNOLOGY
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: CMT 220
Study of computer networks for technicians. Includes network wiring, connectors, repeaters, hubs, routers, bridges and their application to system specifications and the OSI model and its protocols. Installation, troubleshooting, and maintenance of computer networks and network hardware are emphasized in the laboratory.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CMT 235 A+ EXAM PREPARATION FOR COMPUTER SERVICE TECHNICIANS
3.0 Units 3.00 hours Lecture

Recommended Preparation: CMT 220, 225, 230
Preparation and review for the A+ Certification Exams for computer service technicians. Covers topics for all exams. Test taking strategies and practice tests will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Computer Science [CS]

CS 1A INTRODUCTION TO COMPUTER SCIENCE I
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC

The first course in the Introduction to Computer Science series. Designed as a hands-on introduction to the field of computer science for students preparing to enter the field or who are looking for a general interest course. Includes an overview of the history of computers, their hardware, and systems software. Emphasizes algorithm development using modern design methodologies and programming concepts up to and including looping algorithms, functions, and arrays. Programs implemented in a contemporary high-level-language currently C++.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 122

CS 1B INTRODUCTION TO COMPUTER SCIENCE II
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 1A

The second course in the Introduction to Computer Science series. Covers programming concepts including the properties of modularity and applies a contemporary high level programming language, currently C++, to the solutions of a wide variety of problems relating to science and business. Emphasis is on development, debugging, and testing of programs that use a wide variety of simple and composite data types. Includes functional and object-oriented programming.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 112

CS 1C INTRODUCTION TO COMPUTER SCIENCE III
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 1B

The third and final course in the Introduction to Computer Science series. Designed for computer science majors and interested professionals. Topics include lexical conventions, data types, classes, constructors, destructors, overloading, conversions, inheritance, exceptions, and I/O. Solutions will be implemented using a high-level language-currently C++.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CS 1D DATA STRUCTURES
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 1B

Recommended Preparation: CS 1C
Covers basic concepts of data structures and related algorithms. The abstract data types of lists, stacks, queues, strings, binary and general trees, multidimensional and sparse arrays, and graphs will be discussed and implemented using a contemporary programming language. Recursion, searching, and sorting will also be examined.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 132

CS 3A COMPUTER ORGANIZATION AND MACHINE LANGUAGE
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 1A

Recommended Preparation: Placement by the current assessment process or successful completion of college-level intermediate algebra with a "C" or better.
An introductory course in computer organization with emphasis on machine language programming. Concepts covered include finite precision arithmetic, floating point architecture, Boolean Algebra, computer systems organization, microprogramming, and conventional machine language programming with the corresponding assembly language notation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 142

CS 3B COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 3A

Develops the concepts of computer organization begun in CS 3A with an emphasis in assembly languages. The concepts covered include languages, operating systems, and multi-level machines.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 142

CS 4A INTRODUCTION TO JAVA FOR COMPUTER SCIENCE
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 1B

An introduction to developing Java applications and applets. Topics include classes, inheritance, exceptions, arrays, vectors, recursion, streams, the abstract windowing tool kit, and swing components.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CS 4B ADVANCED TOPICS IN JAVA FOR COMPUTER SCIENCE
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC
Prerequisite: CS 4A

Advanced topics in Java including core class libraries, the swing components, the collections framework, multi-threading, servlets, JSP, RMI, JDBC, and software engineering concerns.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CS 30A COMPUTER DISCRETE MATHEMATICS I
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CS 1A and clearance from the current placement process or completion of Pre-calculus or equivalent course with a "C" grade or better.

This course is designed primarily for computer science majors. Areas of study include logic, proofs, basic structures, algorithms, integers, matrices, induction, recursion, counting principles, discrete probability, inclusion-exclusion, and graphs and trees. This course is also listed as MATH 30A; credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 152

CS 30B COMPUTER DISCRETE MATHEMATICS II
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CS 30A or MATH 30A

This course is designed primarily for computer science majors. Major topics include propositional logic, proofs, recursion, combinatorics, probability, number theory, relations, graphs, trees, Boolean algebra, and modeling computation. This course is also listed as MATH 30B; credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CS 260 CRYPTOGRAPHY IN CYBER OPERATIONS
3.5 Units 3.00 hours Lecture 2.00 hours Lab
Prerequisite: CIMS 165, CIMS 155, CIMS 130 and CS 1D

This capstone course is designed to provide students with an understanding of the functionality of a Cyber Operations Center (COC) and how to protect network assets through the use of Cryptography, Cryptology, and Cryptanalysis along with rigorous mathematical, computer programming, and Cyber-security skills. Topics include the role of a COC, Cryptography, Cryptology, and Cryptanalysis, block ciphers, data encryption, authentication, pseudo random number generators, zero-knowledge proofs, recognition of patterns or structures. Students will gain experience in offensive (Red Team) and defensive (Blue Team) COC operations via lab assignments and local/national cyber-security competitions.
Grading Method: GN - Letter Grade only
NR

Counseling [COUN]

COUN 1 ACADEMIC PLANNING
1.5 Units 1.50 hours Lecture
Transfers: CSU, UC

Designed to prepare students for a successful college and transfer experience. Topics include opportunities and requirements for vocational programs and associate degrees as well as for transfer to four-year colleges and universities. Students develop an academic plan based on individual educational goals. College survival skills and issues will be discussed, including college expectations, student motivations, study skills, time management, college resources, and academic policies. Students will also learn strategies for choosing a major. The overall objective of the course is to help students identify and overcome obstacles to academic success.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COUN 40 COLLEGE AND CAREER SUCCESS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Designed to foster college and career success. College and university policies and campus resources are examined. Theories and strategies of college success are evaluated including time management, study skills, student health and wellness, diversity and global awareness, communication and critical thinking. Students will analyze career related assessments, research careers and majors, and develop comprehensive academic plans. Recommended for first time college students or any students undecided on a major or goal.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COUN 51 HUMAN RELATIONSHIPS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course integrates psychological, sociological, and physiological theoretical perspectives to explore the complexities of human relationships. Students will examine diverse human relationships, including familial, intimate/personal, and professional/transactional relationships, considering the principles governing individual and group behavior. The course will include the historical, social, cultural, and political factors and influences shaping the perception of self and others.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COUN 60 CAREER EXPLORATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course focuses on the process of educational and vocational decision-making to achieve wholeness over a life span. Applying psychological, sociological, and physiological concepts, students explore strategies to create a meaningful life purpose to live and work in an increasingly interconnected world and establish connections between educational, career, and life decisions. It focuses on theories of succeeding in college and the workplace. Topics on critical thinking, communication skills, self-awareness, health and wellness, technological, cultural diversity, and global awareness will be covered throughout the course. Recommended for students who are undeclared about their major or are in the process of changing careers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COUN 61 LEARNING AND STUDY TECHNIQUES
1.5 Units 1.50 hours Lecture
Transfers: CSU, UC

Applies principles derived from cognitive/behavioral psychology to facilitate development of organizational and critical thinking skills. This course is designed to assist students in developing effective academic study skills and critical thinking strategies necessary to achieve their educational and career goals. Includes strategies for information acquisition, retention, and retrieval. Practical applications focus on decision-making, goal-setting, motivational techniques, interpersonal communication techniques, time management, note-taking, test-taking/test-taking anxiety reduction, and didactic learning skills. Topics surveyed include educational learning theories; examination of beliefs, values, and needs related to learning and self-efficacy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

COUN 100 COLLEGE SUCCESS
1.5 Units 1.50 hours Lecture
Transfers: CSU

Designed to introduce students to higher education and to create greater success in life. Students will learn proven strategies for creating academic and personal success with a special emphasis on enhancing critical thinking, self-awareness and interpersonal skills. Topics include understanding and utilizing college resources, communication and interdependence with faculty, support staff and fellow students. Students will complete a first semester educational plan. Intended to prepare students for subsequent counseling courses related to academic, career and personal success.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Culinary [CUL]

CUL 101 CULINARY PRINCIPLES I
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CUL 210
Beginning students will gain a general understanding of cooking theory while developing professional culinary arts skills. Basic cooking principles of stocks, sauces, soups, poultry, vegetables and starches will be included. Development of culinary skills through lab applications and field trip excursions. Students will be required to follow Culinary Department dress code standards. (formerly FN 101)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 160

CUL 110 FOOD PREPARATION ESSENTIALS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: CUL 171 or current ServSafe Certification
Hands-on experience in food preparation techniques as well as an investigation of scientific principles involved. Emphasis is placed on ingredient selection and interaction, technique, food safety, sanitation, and sensory evaluation. Utilizing experiments to explore food science principles. (formerly FN 110)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: NUTR 120

CUL 120 INTRODUCTION TO FOOD SYSTEMS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Explores the economic and environmental impacts of local and global food systems, emphasizing the connections between the commercial kitchen and the rest of the world. The focus will be on sourcing and preparing high-quality, sustainable ingredients, contemporary methods of food production, distribution, processing, marketing, purchasing, and waste management. These components will be examined from an environmental perspective to understand the resource-intensive nature of the current food system and its impact on social, economic, and environmental sustainability. Labs include maintaining the culinary garden and preparing seasonal, plant-based foods while working to find creative ways to reduce food waste. Field trips are required. Students are required to follow Culinary dress code. (formerly FN 120)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 160 WORLD CUISINES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: CUL 101

Prepare, taste, serve and evaluate traditional, regional dishes from around the globe. This course focuses on cuisine and culture from around the world emphasizing regional, ethnic, cultural, religious, historical, and social influences on food patterns and cuisines. Laboratory experience with foods from many cultures will be stressed as well as professional and commercial applications. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow Culinary Department dress standards. (formerly FN 140)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 171 SANITATION AND SAFETY
2.0 Units 2.00 hours Lecture
Transfers: CSU

Environmental control and its application to food preparation, personal cleanliness, sanitation in the commercial kitchen and dining room, and the use and care of equipment within food service operations. Emphasis on prevention of food borne illnesses, through flow of food and HACCP management, as well as safety and accident prevention on the job and optimum equipment selection, use, and maintenance. (formerly FN 171)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 110

CUL 176 FOOD AND BEVERAGE OPERATIONS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Techniques and procedures of management are explored and developed as they relate to commercial and institutional food and beverage facilities. Topics include: functions of management, marketing, menu development, effective cost controls in purchasing, labor and service techniques. (formerly FN 176)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 130

CUL 180WE CULINARY ARTS WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Students learn professional principles in the hospitality industry which allows for individual application in a variety of settings. Work site must be approved by the instructor prior to enrollment. (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

CUL 182 CATERING AND BANQUETS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: CUL 101 and CUL 244

This course examines the varied ways in which banquets and catering events may be executed. Terms relating to equipment and technology, food preparation, service, and presentation will be discussed. Students will follow the principles and techniques associated with preparing and serving food to large groups and modern batch cookery. An emphasis will be placed on maintaining quality and foundational cooking methodology. Students will also learn how to organize, plan, and operate a banquet/catering kitchen. This course requires students to make themselves available for two catered events within the current semester that may not be scheduled during regular class hours. Students are required to follow Culinary Department dress standards. (formerly FN 173)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 201 CULINARY PRINCIPLES II
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Prerequisite: CUL 101

Practical experience in techniques, preparation, presentation and service of poultry, meats, fish and shellfish. Students prepare menu offerings in the college's restaurant for public dining. Emphasis is on station readiness, implementation of basic cooking methods, quality of presentation in a cook to order format. Purchasing, storage and quality control of products will be taught. Students will be required to follow culinary department dress code standards. (formerly FN 241)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 206 FOOD AND WINE PAIRING
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Prerequisite: CUL 101

This course will examine the role that wine and beverages contribute to the commercial dining experience with an emphasis on the origin and style of wines from various global locations. Students will also learn about beer, sake, and cider as well as basic label terminology, how those terms were created, and how to apply those for success in the restaurant environment. Through theory and hands-on practice of pairing alcoholic beverages with food, professional-level tasting and evaluation, proper beverage service, purchasing, storing, and pricing, students will gain the knowledge and confidence to discuss the primary characteristics of various wines and beverages and the factors that shape their style. Students must follow culinary dress code and must be 21 years of age or older to taste alcohol.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 208 CONTEMPORARY TOPICS IN FOOD SERVICE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Prerequisite: CUL 101

Techniques needed to address special diets while providing culinary inspiration with an emphasis on healthful, appropriate and modern professional cooking skills and ingredients. Nutrition information, healthy ingredients, and substitutions are covered. Exploring a wide range of dietary challenges, chefs should be conscious of, including celiac disease, diabetes, vegan and vegetarian diets, food allergies, and more. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 210 INTRODUCTION TO CULINARY ARTS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Basic principles of culinary arts with focus on terminology, knife skills and professional techniques. Practical experience in techniques, preparation, presentation and service of cold sauces, salads, sandwiches and breakfast items, including cheese selection, will be explored. Purchasing, storage and quality control of pantry products are included. Students will be required to follow Culinary dress code standards. (formerly FN 246)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 220 FRENCH BISTRO CUISINE
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Exploration and preparation of the foods of provincial France. Students will gain practical experience in the planning and preparation of representative Provencal French bistro specialties and menus. Emphasis is on developing professional skills and techniques applicable to the commercial food industry. (formerly FN 220)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 222 CHINESE CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Investigate the many regional cuisines of China, including Szechwan/Hunan, Peking/Mandarin, Cantonese, and Shanghai/Fukien. Practical experience in preparing authentic Chinese dishes is an integral part of the course. (formerly FN 222)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 223 ASIAN CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Cuisines of Korea, the Philippines, Japan, Thailand, India, and Vietnam are studied. Regional, ethnic, religious, and geographic influences on food patterns and customs will be examined. (formerly FN 223)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 226 MEXICAN CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Focus on the art of preparing and presenting the regional cuisines of Mexico. Practical experience in preparing authentic Mexican dishes is an integral part of the course. (formerly FN 226)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 227 MEDITERRANEAN CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

The cuisines and cultures of the Mediterranean countries, including Spain, Morocco, Egypt, Israel, Turkey and Greece. Prepare, taste, serve and evaluate traditional regional dishes of the Mediterranean. Laboratory experiences will emphasize flavor profile and preparation techniques that represent each Mediterranean region. The course cultivates an understanding and appreciation of diverse world cultures and their approach to food. Included will be appetizers, soups, salads, main dishes, meats, sauces, dressings, and desserts appropriate to each region. (formerly FN 227)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 228 ITALIAN CUISINE
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Theory and study of Italian cuisine. Regional and cultural differences are explored as to how they are represented in traditional specialties. Students will gain practical experience in the techniques, preparation, and presentation of Italian cuisine. Emphasis is on developing professional skills and techniques applicable to the commercial food industry. (formerly FN 228)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 230 PLANT BASED CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Focus on the art of preparing and presenting plant-based foods. Practical experience in preparing a variety of plant-based dishes. Includes an exploration of nutritional information including health benefits and recommendations for healthy food planning, and use of specialized ingredients. (formerly FN 230)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 232 TECHNIQUES OF HEALTHY COOKING
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Focus on the art of preparing and presenting healthy cuisine to support life-long eating patterns that promote good health. Practical experience in planning and preparing healthy dishes using innovative methods--a variety of cultural and ethnic dishes included. Emphasizes exploration of nutrition information, modification of less healthy recipes, substituting ingredients to include more healthful item-including health benefits and recommendations for healthy food choices, planning, and use of specialized ingredients. (formerly FN 232)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 235 EUROPEAN REGIONAL FOODS TOUR
2.0 Units 1.00 hour Lecture 3.00 hours Lab

A culinary lecture and lab tour of European regional cuisine. Hands on cooking experience, demonstration and tours of regional artisan factories that produce regional goods. Students will gain practical hands-on experience in the techniques, preparation and presentation of the region. Thematic emphasis and course content will vary depending on location. This class is off-campus and will require travel abroad, on specific dates. (formerly FN 235)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 236 AMERICAN REGIONAL CUISINE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Culinary history and survey of major influences and origins of American foods. Regions covered include the Northeast, Southern, Middle America, Pacific Northwest, Southwest, and California. A unique cuisine has been created from the contributions of Native Americans and many immigrant groups. This diverse culinary heritage will be investigated through hands-on preparation of traditional regional foods. (formerly FN 236)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 244 BAKING FUNDAMENTALS I
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Fundamental principles of baking including professionalism, tools, ingredients, measuring, and converting. Production utilizing basic mixing methods (biscuit, muffin, and creaming) to produce a variety of quick breads, yeast dough (both lean and enriched), cookies, cupcakes, pastry fillings, tarts, pies and pie fillings. Career outlets and nutritional considerations are also covered. Students will be required to follow Culinary dress code. (formerly FN 244)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 245 BAKING FUNDAMENTALS II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: CUL 244

Advanced course in pastry arts production, including puff pastry, foam cakes, classical European tortes, pastry fillings, meringues, cake decorating, chocolate handling, glazes, icings, tarts, and pate a choux. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow culinary department dress standards. (formerly FN 245)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 246 ADVANCED BAKING AND PASTRY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: CUL 101 and CUL 244

Advanced baking skills and methods. Emphasis on specialty and advanced baking skills, techniques, methods and presentation. Hands-on production of pastries, cakes and fillings, puff dough, creams and custards integrated with accompaniments from international cuisines. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow Culinary Department dress standards. (formerly FN 288)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 249 PRINCIPLES OF ARTISAN BAKING
4.0 Units 2.00 hours Lecture 7.00 hours Lab
Prerequisite: CUL 244

Building on previous knowledge, students learn to mix, shape, bake, store, and distribute breads and rolls. Students will build speed and increase their proficiency in meeting production deadlines with quality products. Emphasis is placed on traditional fermentation methods, equipment, and methods that emphasize flavor, texture, and appearance. Course topics include baker's math, ingredient selection and function, how mixing affects fermentation, and ways to extend shelf life. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 250 SUGAR CONFECTIONERY
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Prerequisite: CUL 244

Explore the chemistry of sugar at various stages of cooking. Make confectioneries such as pate de fruit, guimauve, caramels, nougats, sponge candy and other candies. Learn to use pastillage, pulled sugar, blown sugar, and poured sugar to create a variety of edible décor and showpieces. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow Culinary Department dress standards. (formerly FN 286)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 251 CHOCOLATE CONFECTIONERY
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Prerequisite: CUL 244

Study the history of chocolate, its cultivation, and present-day manufacturing. Topics include the fundamentals of chocolate science and tempering, and practice in producing a wide range of chocolate candies. Truffles, hand-dipped candies, molded bonbons, and chocolate décor will be covered. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow Culinary Department dress standards. (formerly FN 287)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 260 CUISINES AND CULTURES OF THE AMERICAS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prerequisite: CUL 101

Prepare, taste, serve, and evaluate traditional, regional dishes of the Americas. Ingredients, flavor profiles, preparations, and techniques will be emphasized. The course develops an expanded understanding and appreciation of why and how people from diverse world cultures with varying backgrounds approach food and beverages differently. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 261 MANAGEMENT, LEADERSHIP & TRAINING
3.0 Units 3.00 hours Lecture

This course provides a comprehensive overview of effective management, leadership, and training practices within the hospitality industry. Emphasizing both theoretical foundations and practical applications, students will explore key concepts in hospitality management, leadership strategies, employee training and development, and customer service excellence. (formerly FN 261)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 263 CUISINES AND CULTURES OF EUROPE
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prerequisite: CUL 101

Prepare, taste, serve, and evaluate traditional, regional dishes of Europe. Emphasis will be placed on ingredients, flavor profiles, preparations, and techniques are emphasized. The course develops an expanded understanding and appreciation of why and how people from diverse world cultures with varying backgrounds approach food and beverages differently. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 265 CUISINES AND CULTURES OF THE MEDITERRANEAN
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prerequisite: CUL 101

Prepare, taste, serve, and evaluate traditional, regional dishes of the Mediterranean. Emphasis will be placed on ingredients, flavor profiles, preparations, and techniques representative of the cuisines from Greece, Turkey, Syria, Lebanon, Israel, Egypt, Algeria, and Morocco. The course develops an expanded understanding and appreciation of why and how people from diverse world cultures with varying backgrounds approach food and beverages differently. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 267 CUISINES AND CULTURES OF ASIA
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prerequisite: CUL 101

Prepare, taste, serve, and evaluate traditional, regional dishes of Asia. Emphasis will be placed on ingredients, flavor profiles, preparations, and techniques representative of the cuisines from various Asian countries. The course develops an expanded understanding and appreciation of why and how people from diverse world cultures with varying backgrounds approach food and beverages differently. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 270 MENU PLANNING AND PURCHASING
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Prerequisite: CUL 101

This course introduces students to the principles of menu development. Emphasis on menu design, and pricing with an overview of purchasing cycles to include selection, procurement, and equipment specification. Includes hands-on practical application. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 275 DINING ROOM SERVICE
4.0 Units 2.00 hours Lecture 6.00 hours Lab

Prerequisite: CUL 101

Course challenges students to use knowledge learned in prior coursework and apply it to day-to-day restaurant operations. Students will gain skills and knowledge needed for all aspects of professional dining room service, including the principles and practices of food and beverage service, use of POS systems, styles of service, table setting, and buffet styles. Students are required to follow Culinary dress code.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

CUL 285 PERSONAL CHEF
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: CUL 101

The professional personal chef is one of the fastest growing careers in food service. Students will study, participate, and engage in critical-thinking topics relevant to operating appropriate food service areas, including prioritization, execution, and work habits in a professional food service format. Students will be required to follow Culinary Department Dress Standards. (formerly FN 285)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Dance [DANC]

DANC 8 DANCE PEDAGOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Course will prepare students for studio and/or classroom teaching of dance technique. Topics will include basic anatomy for dancers, alignment and posture corrections, vocabulary for dance genres, nutrition, audition and performance preparation, music selection, classroom management skills and curriculum design. Students will design and implement lesson plans in various dance genres, learn to work with specialized populations, be able to identify major muscle groups in the body, create sample playlists and classes, and learn how to adapt curriculum and vocabulary to different levels.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 9 CHOREOGRAPHY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Emphasis will be placed on movement design, choreographic structure and production fundamentals of dance. Students will participate in class activities, improvisation, movement studies, discussions and gain a working knowledge of staging, lighting, video editing and preparing choreography for performance both onstage and onscreen. Students are limited to a combined total of four enrollments in DANC 9 and 19.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 10 DANCE PRODUCTION
1.0-2.0 Units 3.00-6.00 hours Lab
Transfers: CSU, UC

Elements of choreography, development of solo and group choreographic compositions, staging of dances, and performance in theatre venue. Students are limited to a combined total of four enrollments in DANC 10, 11, 12, and 14.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 11 DANCE REHEARSAL AND PERFORMANCE
1.0-2.0 Units 3.00-6.00 hours Lab
Transfers: CSU, UC

Entry level course emphasizing rehearsal and performance techniques in a theatre venue. Students are limited to a combined total of four enrollments in DANC 10, 11, 12, and 14.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 12 INTERMEDIATE DANCE PRODUCTION
1.0-2.0 Units 3.00-6.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 10
Emphasizing the development of group and solo composition, staging, lighting and performance in a mastery level experience for a theatre venue. Students are limited to a combined total of four enrollments in DANC 10, 11, 12, and 14.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 14 INTERMEDIATE DANCE REHEARSAL AND PERFORMANCE
1.0-2.0 Units 3.00-6.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 11
An intermediate level course that emphasizes building and developing performance skills in the presentation and staging of dances for professional auditions and theatre venues. Students are limited to a combined total of four enrollments in DANC 10, 11, 12, and 14.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 15 REPERTORY I
1.0-2.0 Units 3.00-6.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition mandatory at beginning of the semester
Students will learn, rehearse and perform set repertory for college and community events. Based on skills gained in class, students will assist with ensemble activities at performing sites. Auditions mandatory at start of semester. Students are limited to a combined total of four enrollments in DANC 15, 16, 17, and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 16 REPERTORY II
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition by dance faculty
Advanced level performing ensemble representing Saddleback College dance department. Students will learn valuable skills through preparing, rehearsing and performing for local high schools and throughout the community while working in a professional environment as a performer. Students are limited to a combined total of four enrollments in DANC 15, 16, 17, and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 17 SITE SPECIFIC PERFORMANCE
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Overview of techniques and approaches for performance and design outside the context of a proscenium theatre. Covers movement, sound, text, image, design, improvisation and composition. Opportunities for rehearsal, choreography, improvisation and performance in multiple styles and settings. Students are limited to a combined total of four enrollments in DANC 15, 16, 17, and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 18 DANCE ENSEMBLE PERFORMANCE
2.0 Units 6.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition adjudicated by dance faculty at the beginning of the semester.
Students will audition, rehearse and perform choreography in an ensemble company in venues throughout the community. Students are limited to a combined total of four enrollments in DANC 15, 16, 17, and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 19 CHOREOGRAPHY II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Prerequisite: DANC 9

Students build upon skills gained in DANC 9, and explore choreography and technical theatre elements in greater depth through individual, small-group and ensemble choreography projects and writing assignments. Advanced topics include working with technology (music/video editing, projections and social media), adding improvisational scores, costume design, non-proscenium work, interdisciplinary studies, and application of theory fundamentals. Students will also create movement studies based on the work and theories of international choreographers. Culminates in an informal studio showing of a full work of choreography, demonstrating the student's understanding of artistic skills and techniques gained over the course of the semester. Students are limited to a combined total of four enrollments in DANC 9 & 19.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 28 YOGA FOR DANCERS
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Designed for the dancer to build and maintain balance, flexibility and strength through postures, exercises and breathing techniques. Sequences will provide a methodical way for the dancer to condition the body and calm the mind in preparation for audition and performance. Students are limited to a combined total of four enrollments in KNES 28, 39, 40, and DANC 28.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 51 INTRODUCTION TO BALLET
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Designed for students with no experience in dance as well as those wishing to perfect basic dance skills. Fundamentals of ballet techniques are presented and practiced in class with presentations of historical and stylistic perspectives of this dance form. Emphasizes class participation providing the student with knowledge and understanding of the physical demands of ballet dance. Students are limited to a combined total of four enrollments in DANC 51, 52, 53, 67, and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 52 BALLET DANCING LEVEL I
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Designed to teach the fundamentals of ballet. Technical work at the ballet barre, center-floor exercises, adagio, and allegro work. Students are limited to a combined total of four enrollments in DANC 51, 52, 53, 67, and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 53 INTERMEDIATE BALLET
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 52
Emphasis on improving ballet technique and continuing to build vocabulary at the ballet barre and in center at the intermediate level. Students are limited to a combined total of four enrollments in DANC 51, 52, 53, 67, and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 54 INTRODUCTION TO MODERN DANCE
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Designed for students with no experience in dance as well as those wishing to perfect basic dance skills. Fundamentals of modern dance techniques are presented and practiced in class, with presentation of historical and stylistic perspectives of this dance form. An emphasis is placed on class participation to provide the student with knowledge and understanding of the physical demands of modern dance. Students are limited to a combined total of four enrollments in DANC 54, 55, 56, and 72.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 55 MODERN DANCE LEVEL I
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 54
Provides students with a progressive modern dance experience to perfect techniques presented and practiced in class. The presentation of historical and stylistic perspectives of this dance form will included. An emphasis is placed on class participation to provide the student with knowledge and understanding of the physical demands of modern dance. Students are limited to a combined total of four enrollments in DANC 54, 55, 56, and 72.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 56 INTERMEDIATE MODERN DANCE
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 55
Provides an opportunity for students to increase their proficiency in modern dance technique with emphasis on improving individual skills. Continued development of the body through stylized movement. Students are limited to a combined total of four enrollments in DANC 54, 55, 56, and 72.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 57 INTRODUCTION TO JAZZ DANCING
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Designed for students with no experience in dance, as well as those wishing to perfect basic dance skills. Fundamentals of jazz dancing technique are presented and practiced in class with presentation of the historical and stylistic perspectives of this dance form. An emphasis is placed on class participation to provide the student with the knowledge and understanding of the physical demands of jazz dancing. Students are limited to a combined total of four enrollments in DANC 57, 58, 59, and 73.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 58 JAZZ DANCING LEVEL I
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Designed for students with no experience in dance, as well as those wishing to perfect basic dance skills. Fundamentals of jazz dancing technique are presented and practiced in class with presentation of the historical and stylistic perspectives of this dance form. An emphasis is placed on class participation to provide students with the knowledge and understanding of the physical demands of jazz dancing. Students are limited to a combined total of four enrollments in DANC 57, 58, 59, and 73.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 59 INTERMEDIATE JAZZ DANCING
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 58
Intermediate jazz dancing techniques are presented and practiced with an emphasis on stylistic qualities. Participation provides students with the knowledge and understanding of the physical demands of jazz dancing. Students are limited to a combined total of four enrollments in DANC 57, 58, 59, and 73.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 60 INTRODUCTION TO TAP DANCING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Designed for students with no experience in dance, as well as those wishing to perfect basic dance skills. Fundamentals of tap-dancing techniques are presented and practiced in class with presentations of the historical and stylistic perspectives of this dance form. An emphasis is placed on class participation to provide the student with knowledge and understanding of the physical demands of tap dancing. Students are limited to a combined total of four enrollments in DANC 60, 61, 62, and 75.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 61 TAP DANCING LEVEL I
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Designed for students with beginning experience in tap dancing as well as those wishing to progress in tap dancing skills. Fundamentals of tap dancing techniques are presented and practiced in class with presentations of the historical and stylistic perspectives of this dance form. An emphasis is placed on class participation to provide the student with knowledge and understanding of the physical demands of tap dancing. Students are limited to a combined total of four enrollments in DANC 60, 61, 62, and 75.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 62 INTERMEDIATE TAP DANCING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 61
Review and continuation of tap dancing skills with emphasis on improving individual technique and knowledge based concepts. Higher level steps and dance combinations will be presented. Students are limited to a combined total of four enrollments in DANC 60, 61, 62, and 75.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 63 EXERCISE FOR DANCERS
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Designed for the dance student to increase fitness, flexibility, endurance, and strength in all types of dance techniques. Includes weight training, nutrition, care and prevention of injuries, and exercise. Students are limited to a combined total of four enrollments in KNES 9, KNES/DANC 38, DANC/TA 63, and KNES/DANC 65.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 64 HISTORY OF DANCE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Follows the historical development of various forms of dance as they exist in the Western world. The course covers the African continent and the diaspora, ballet, modern, musical theatre, tap, and dance media in the United States and Europe. Readings, class discussions, viewings and assignments are all integral parts of the course, and lectures will be supplemented with film excerpts, creative activities, and discussion of both assigned reading and materials viewed in class.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 66 INTRODUCTION TO LATIN DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Explores the international forms of Latin dance such as salsa, tango, mambo, paso doble. Combinations will be presented to gain strength, coordination and agility. Students are limited to a combined total of four enrollments in DANC 66 and 70.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 67 POINTE BALLET
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 53
A more advanced approach in pointe technique emphasizing sequences at the barre. Center-floor work will challenge the student through adagio and allegro combinations for pointe. Observation of an out-of-class performance is required. Students are limited to a combined total of four enrollments in DANC 51, 52, 53, 67, and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 68 INTRODUCTION TO SOCIAL DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Explores the various forms of social dance such as Foxtrot, Waltz, Swing/Jive, and Quick Step. Combinations will be presented to gain coordination, strength, and agility. Students are limited to a combined total of four enrollments in DANC 68 and 69.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 69 INTERMEDIATE SOCIAL DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 68
Review and continuation of social dance with emphasis on improving individual skills. More advanced steps and dance sequences will be presented. Students are limited to a combined total of four enrollments in DANC 68 and 69.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 70 INTERMEDIATE LATIN DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 66
Continued instruction in Latin Dance with emphasis on improving individual skills. More advanced steps and dance sequences will be presented. Students are limited to a combined total of four enrollments in DANC 66 and 70.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 71 ADVANCED BALLET
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 53
Advanced ballet technique with emphasis on performance. Improving individual skills at the ballet barre and center-floor with adagio and allegro combinations. Students are limited to a combined total of four enrollments in DANC 51, 52, 53, 67, and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

DANC 72 ADVANCED MODERN DANCE
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 56
Expand and develop advanced modern dancing techniques with emphasis on improving individual skills. Advanced modern dance concepts and combination will be presented. Students are limited to a combined total of four enrollments in DANC 54, 55, 56, and 72.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

DANC 73 ADVANCED JAZZ DANCE
1.0-1.5 Units 0.50 hour Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 59
A course for the more advanced student emphasizing various and combined styles, complex isolations and heightened tempos found in jazz dancing. Students are limited to a combined total of four enrollments in DANC 57, 58, 59, and 73.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 74 MULTICULTURAL DANCE HISTORY IN THE UNITED STATES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to artistic, historical, and social context of dance forms, cultures, and traditions in the United States. Investigation of the origins, influences and the dissemination of various world dance forms as they have developed in the United States.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 75 ADVANCED TAP DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 62
Advanced skills in multiple tap techniques emphasizing rhythmic complexity, various tempos and improvisation. Students are limited to a combined total of four enrollments in DANC 60, 61, 62, and 75.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 78 HIP HOP
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Emphasizes various styles of hip hop dance such as street, house and freestyle forms. Preparation in auditioning for entertainment, commercial, and competitive events. Students are limited to a combined total of four enrollments in DANC 78, 79, 80, and 81.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 79 HIP HOP LEVEL I
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 78
Emphasizes various styles of hip hop dance. Further study in hip hop techniques such as street, house and freestyle forms. Continued preparation in auditioning for entertainment, commercial, and competitive events. Students are limited to a combined total of four enrollments in DANC 78, 79, 80, and 81.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 80 INTERMEDIATE HIP HOP
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 79
Emphasizes various styles of hip hop dance. A more advanced study in hip hop techniques. Preparation for performing and choreographing entertainment, commercial, and competitive venues. Students are limited to a combined total of four enrollments in DANC 78, 79, 80, and 81.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 81 ADVANCED HIP HOP
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: DANC 80
Students will increase knowledge and technique in hip hop forms such as street, house and freestyle forms as a result of continued instruction. Students will learn, create and analyze hip hop movement preparing for auditions in performance venues. Students are limited to a combined total of four enrollments in DANC 78, 79, 80, and 81.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 82 AFRICAN DANCE I
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduction to the history, technique and performance of various styles of African Dance, with an emphasis on class participation and development of basic movement skills. The course will also emphasize musicality and an introduction to percussive rhythms. Students are limited to a combined total of four enrollments in DANC 82 and 83.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 83 AFRICAN DANCE II
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

History, technique and performance of various styles of African Dance, with an emphasis on class participation and further development of movement skills. The course will also emphasize musicality and study of increasingly complex percussive rhythms. Students are limited to a combined total of four enrollments in DANC 82 and 83.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 84 MIDDLE EASTERN DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Provides an introductory level understanding of stage and social dances from the Middle East. Course work includes styling, veil work, cymbal playing, improvisation, fusion forms, Dabke, vocabulary and cultural background of the dances. An emphasis will be placed on traditional and contemporary forms of Middle Eastern Dance. Formerly DANC 184.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DANC 85 INTRODUCTION TO WORLD DANCE AND CULTURES
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Provides an introductory level understanding of dance styles representative of different nationalities and cultures. Many different dance forms will be explored, taking into consideration historical background, related folklore and how dance differs from culture to culture. Emphasis will be placed on dances from Central and South America, the Caribbean, South Asia and the African continent. (Formerly DANC 185)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Drafting [DR]

DR 23 ENGINEERING GRAPHICS
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU, UC

Principles of communicating product design requirements via multiview projections, auxiliary views, and working drawings, including dimensions and notes using Computer-Aided Drafting (CAD). Planar geometric projections in orthographic relationships are used to define points, lines, planes, intersections and developments, and to describe spatial relationships.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 50 INTRODUCTION TO COMPUTER-AIDED DRAFTING
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: ARCH 124A or DR 100
Introductory course covering the operation and application of computer-aided drafting (CAD) systems used to create, modify, store, and plot technical drawings. Also listed as ARCH 50. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 51 COMPUTER-AIDED DRAFTING
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: DR or ARCH 50
An intermediate to advanced level course in the operation and application of computer aided drafting systems, used to create, edit, save, and plot technical 2D and 3D drawings. Also listed as ARCH 51. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 100 FUNDAMENTALS OF INDUSTRIAL AND MECHANICAL DESIGN
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU

Develops basic design skills including proper use of CAD software, geometric construction, multiview projection, sections, pictorial drawings, auxiliary views, and dimensioning. A current version of a computer-aided design (AutoCAD) system will be used to present design concepts. Processes for design development include considering design constraints (customer requirements, schedule, cost factors, safety, aesthetics) with marketability and product placement targets.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 101 MECHANICAL DESIGN
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Recommended Preparation: DR 100 or one year of high school mechanical drafting
Develops the basic skills required to produce industrial-quality assembly and detailed drawings including sections, first and second auxiliary views, advanced dimensioning, tolerancing, and further development of mechanical drawing skills. A computer-aided drafting (CAD) system will be used.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 102 MECH DESIGN AND MARKETING PORTFOLIO
3.0 Units 1.50 hours Lecture 4.50 hours Lab
Transfers: CSU

Develops basic skills needed for industrial-level mechanical and conceptual design including assembly drawings, detail drawings, fundamentals of mechanical design, and strategies for creative design. A computer aided design (CAD) system will be used. Create and develop a hybrid Electronic-Physical Portfolio of Technical Drawings/Architectural Drawings, which showcase the student work.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 120 ENGINEERING TECHNOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Comprehensive program to introduce and train students in the areas of Engineering Technology to provide skills and competencies to integrate design knowledge with practical job skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 152 ADVANCED COMPUTER-AIDED DESIGN
3.0 Units 2.00 hours Lecture 4.00 hours Lab
Transfers: CSU

Recommended Preparation: DR/ARCH 50 or DR/ARCH 51
Advanced computer-aided design and drafting with emphasis on advanced 3D CAD knowledge and skills in the completion of technical drawings that support 3D modeling. Also listed as ARCH 152. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 200 3D PARAMETRIC MODELING - SOLIDWORKS
3.0 Units 2.00 hours Lecture 4.00 hours Lab

Recommended Preparation: DR/ARCH 50
Operation and application of modern computer-aided design using Solidworks. Includes development of 3D computer models from concept to component parts, drawings, and assemblies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 201 ADVANCED 3D PARAMETRIC MODELING - SOLIDWORKS
3.0 Units 2.00 hours Lecture 4.00 hours Lab

Recommended Preparation: DR 200
Advanced operation and application of modern computer-aided design using Solidworks. Includes development of 3D computer models from concept to component parts, drawings, and assemblies. Creation of parts using surface modeling, the study of parts using Finite Element Analysis, and the application of Motion Analysis in Assemblies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 202 GEOMETRIC DIMENSIONING AND TOLERANCING
3.0 Units 2.00 hours Lecture 4.00 hours Lab

Recommended Preparation: DR/ARCH 50
Review of conventional dimensioning (non geometric dimensioning) and the introduction of geometric dimensioning and tolerancing using Solidworks.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

DR 203 GREEN & SUSTAINABLE MANUFACTURING DESIGN
3.0 Units 1.50 hours Lecture 4.50 hours Lab

Presents the developing and evolving fields for innovative designs of products that minimize the carbon footprint and reduce the impact of product manufacture and life-cycle use upon the environment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Ecological Restoration [ECOL]

ECOL 180WE ECOLOGICAL RESTORATION WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Students select an off-campus assignment at a local ecological restoration site and complete individually determined objectives. Provides hands-on experience in applying specific field and lab techniques. Students analyze specific ecological restoration issues and prepare presentations to public and private groups (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ECOL 201 ECOLOGICAL RESTORATION TECHNIQUES
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Introduces students to specific theory and techniques for ecological restoration in a variety of habitats. Laboratory exercises will include site visits to restoration projects.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ECOL 202 ADVANCED ECOLOGICAL RESTORATION TECHNIQUES
4.0 Units 3.00 hours Lecture 3.00 hours Lab

An advanced course in practical and theoretical ecological restoration techniques. Political, social, and scientific considerations in restoration will be discussed. Laboratory exercises will include field techniques for planting, irrigating, and monitoring restoration sites. Field trips will be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Economics [ECON] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

ECON C2001 PRINCIPLES OF MICROECONOMICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. Credit may be earned for ECON C2001 or ECON C2001H, not both. Formerly offered as ECON 4.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECON 201

ECON C2001H PRINCIPLES OF MICROECONOMICS - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. This is an honors course. Credit may be earned for ECON C2001 or ECON C2001H, not both. Formerly offered as ECON 4H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECON 201

ECON C2002 PRINCIPLES OF MACROECONOMICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite:

Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. Credit may be earned for ECON C2002 or ECON C2002H, not both. Formerly offered as ECON 2.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECON 202

ECON C2002H PRINCIPLES OF MACROECONOMICS - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This is an honors course. Credit may be earned for ECON C2002 or ECON C2002H, not both. Formerly offered as ECON 2H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ECON 202

ECON 11 INTERNATIONAL POLITICAL ECONOMY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Focuses on the relations between the political and economic systems within the global economy. Covers the impact of political decisions on world economies and international organizations. Further emphasis is on a comparison-contrast of various national economies. Geographic areas of concern include Africa, Europe, the Pacific Rim, the Middle East, Latin America, Russia, China, and the United States. Also listed as PS 11. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Electronic Technology [ET]

ET 101 SURVEY OF ELECTRONICS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Basics of electronics for non-majors or those exploring possible interest in the field.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 114 DIGITAL ELECTRONIC CIRCUITS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ET 133
Fundamentals of logic and circuits for digital electronics. Includes binary arithmetic, Boolean algebra, logic gates, digital technologies, memory circuits, Analog-to-Digital (A/D) and Digital-to-Analog (D/A) converters, shift registers, counters, clock and timing circuits, and multiplexers/demultiplexers. Laboratory experiments emphasize testing and troubleshooting of common circuits.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 118 ELECTRONIC COMMUNICATION SYSTEMS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ET 114 and 135
Principles of modern electronic communication systems, including radio, data, digital, and opto-electronic systems. Study of noise analysis, modulation methods, networks, transmission lines, antennas, and other important system components and considerations. Includes analytical principles and equations as well as practical applications and troubleshooting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 133 DC AND AC FUNDAMENTALS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Fundamentals of Direct Current (DC) and Alternating Current (AC) electronic components and circuits. Includes basic DC and AC terms, resistors, capacitors, inductors, Ohm's law, series and parallel circuits, circuit theorems, magnetism, transformers, time constants, reactance, resonance, and passive filters. Laboratory experiments utilize common test equipment such as the digital multimeter, power supply, function generator, and oscilloscope.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 135 SEMICONDUCTOR DEVICES AND CIRCUITS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ET 133
Fundamentals of semiconductor devices and circuits, both discrete and integrated. Includes diodes, transistors, amplifiers, thyristors, operational amplifiers, active filters, oscillators, and voltage regulators. Lab exercises include building and testing devices and circuits studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 180WE ELECTRONIC TECHNOLOGY WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Supervised industry experience in electronic technology. The work assignment and objectives are arranged jointly between Saddleback College, the company, and the student. (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ET 200 DIGITAL SIGNAL PROCESSING AND MICROCONTROLLERS
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Recommended Preparation: ET 114
Fundamentals of digital signal processing, microcontrollers, analog-to-digital (A/D) and digital-to-analog (D/A) interface circuits, and other advanced digital circuits. Includes related hardware, software, testing, and troubleshooting. Lab exercises including building and testing circuits and devices studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 201 ROBOTICS FUNDAMENTALS
2.0 Units 1.50 hours Lecture 1.50 hours Lab

Fundamentals of robotics, including hardware, software, testing, and troubleshooting. Study of the basics of the major hardware and software of a small robot while building and programming it for various activities.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 202 INTERMEDIATE ROBOTICS
2.0 Units 1.50 hours Lecture 1.50 hours Lab

Recommended Preparation: ET 201
Study of intermediate level robotics systems, including mechanical and electronic components and subsystems, microcontrollers, sensors, motors/servos, and software. Each student will purchase a robotic arm and construct, program, test, and troubleshoot it to perform specified tasks.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 250 MOTORS AND CONTROLS AND PROGRAMMABLE LOGIC CONTROLLERS
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Recommended Preparation: ET 133 and ET 114
Electric motors and controls and Programmable Logic Controller (PLC) basics. Includes study of industrial motors and related starters, switches, overload protection, and controllers. Also covers PLC basics, related input and output interfaces, devices, and sensors, and PLC programming. Laboratory exercises emphasize setup, programming, and troubleshooting of common devices and circuits related to motors and PLC's.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ET 255 MECHATRONICS FUNDAMENTALS
4.0 Units 3.00 hours Lecture 3.00 hours Lab

Recommended Preparation: ET 133 is strongly recommended because ET 255 assumes and builds on the concepts and skills covered in this course.
Mechatronics fundamentals for industrial automation. Study of applicable mechanical, electrical, electronic, and fluid-related operational principles, systems and subsystems, devices, and components. Major topics include pneumatics, hydraulics, sensors, transducers, actuators, encoders, control devices, feedback control, and signal conditioning. Includes lab experiments that emphasize setup, testing, and troubleshooting of common hardware used in mechatronics for industrial automation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Emergency Medical Technology [EMT]

EMT 207 EMERGENCY MEDICAL TECHNICIAN PROCEDURES
11.0 Units 10.00 hours Lecture 3.00 hours Lab

Corequisite: EMT 207C
Limitation on Enrollment: American Heart Association Basic Life Support (BLS) Healthcare Provider certification, physical/health exam, and criminal background check required.
Designed to develop students into proficient and compassionate prehospital emergency professionals who conduct themselves with integrity and humility. Covers the cognitive, psychomotor, and affective aspects of Basic Life Support level prehospital care as identified in the National EMS Education Standards, including biochemistry, anatomy, physiology, pathophysiology, assessment and treatment interventions, operations, administration, safety, and well-being. Students must achieve an overall final grade of 80% or above in EMT 207, and successfully complete all requirements for EMT 207C, to be awarded a course completion certificate, which is required to take the National Registry EMT written examination and become certified as an EMT. Also satisfies Orange County EMT accreditation training requirements.
Grading Method: GN - Letter Grade only
NR

EMT 207C EMERGENCY MEDICAL TECHNICIAN CLINICAL OBSERVATION
1.0 Unit 3.00 hours Lab

Corequisite: EMT 207
Limitation on Enrollment: American Heart Association Basic Life Support (BLS) Healthcare Provider certification, physical/health exam, and criminal background check required.
Provides opportunity to practice clinical skills in hospital emergency department, on an ambulance, and/or during in-class or online scenarios. Successful completion of both EMT 207 and EMT 207C is required to be eligible to take the National Registry EMT examination and become certified as an EMT. Corequisite course for EMT 207.
Grading Method: GN - Letter Grade only
NR

EMT 210 EMERGENCY MEDICAL TECHNICIAN REFRESHER COURSE
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Recommended Preparation: Successful completion of any state-approved Emergency Medical Technician training program.
Designed for EMTs who need to renew their certification. Covers select cognitive, psychomotor, and affective aspects of Basic Life Support level prehospital emergency medical care as identified in the National EMS Education Standards. Satisfies California EMT recertification requirements, and Orange County EMS Agency (OCEMS) training requirements for EMT accreditation based on the OCEMS 2015 EMT Scope of Practice Curriculum. Also satisfies 36 hours of the 72 hours required by NREMT for renewal, including topics required and skills evaluated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

EMT 219 PARAMEDIC PREPARATION
4.0 Units 4.00 hours Lecture

Limitation on Enrollment: Current EMT certification
Designed for currently certified EMTs seeking to enter a paramedic education program in the near future. Focuses on select prehospital foundational topics including biochemistry, cellular physiology, acid-base balance, respiratory physiology and disorders of ventilation and oxygenation, cardiovascular physiology and hemodynamic imbalances, neurophysiology, macronutrient metabolism and diabetes mellitus, and pharmacological principles and procedures intended to address alterations in the physiology of core body systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Engineering [ENGR]

ENGR 31 STATICS
3.0 Units 3.00 hours Lecture

Transfers: CSU, UC
Prerequisite: PHYS 4A
Statics is the study of force systems under equilibrium conditions. Force systems are analyzed for trusses, frames, and machines which are subjected to concentrated, distributed, and frictional forces. Graphical and mathematical methods of analysis are used, including virtual-work.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENGR 70 INTRODUCTION TO NETWORK ANALYSIS
3.0 Units 3.00 hours Lecture

Transfers: CSU, UC
Prerequisite: PHYS 4B and MATH C2220
Corequisite: MATH 24 or successful completion of MATH 24
Modeling and analysis of electric networks. Introduction to basic network theorems, sinusoidal steady state and transient analysis of RLC (Resistor, Inductor, Capacitor) networks, impedance concepts, and solving network circuit problems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENGR 70L INTRODUCTION TO NETWORK ANALYSIS LABORATORY

1.0 Unit 3.00 hours Lab

Transfers: CSU, UC

Corequisite: ENGR 70 or successful completion of ENGR 70

Construction and measurement of electric circuits. The laboratory experiments will include basic use of electric test equipment, such as multimeters, oscilloscopes, power supplies, and function generators. In the labs, the students will construct and lay out circuits and predict their behavior mathematically by using circuit simulation software. Students will interpret measured and simulated data based on principles of circuit analysis for DC and transient conditions. The circuit design will also include practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments. Construction and measurements of basic operational amplifier circuits will also be part of the laboratory activities.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

English [ENG/ENGL] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

ENGL C1000 ACADEMIC READING AND WRITING

4.0 Units 4.00 hours Lecture

Transfers: CSU, UC

Prerequisite: Placement as determined by the college's multiple measures assessment process.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. Credit may be earned for ENGL C1000 or ENGL C1000H, but not both. Formerly offered as ENG 1A.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: ENGL 100

ENGL C1000H ACADEMIC READING AND WRITING - HONORS

4.0 Units 4.00 hours Lecture

Transfers: CSU, UC

Prerequisite: Placement as determined by the college's multiple measures assessment process

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course. Credit may be earned for ENGL C1000 or ENGL C1000H, but not both. Formerly offered as ENG 1AH.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: ENGL 100

ENGL C1001 CRITICAL THINKING AND WRITING

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Prerequisite: College-level composition (ENGL C1000/ ENGL C1000H/ ENGL C1000E/C-ID ENGL 100) or equivalent

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. Credit may be earned for ENGL C1001 or ENGL C1001H, but not both. Formerly offered as ENG 1B.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: ENGL 105

ENGL C1001H CRITICAL THINKING AND WRITING - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: College-level composition (ENGL C1000/ENGL C1000H/ENGLC1000E/C-ID ENGL 100) or equivalent.

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. This is an honors course. Credit may be earned for ENGL C1001 or ENGL C1001H, but not both. Formerly offered as ENG 1BH.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 105

ENGL C1002 INTRODUCTION TO LITERATURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. Credit may be earned for ENGL C1002 or ENGL C1002H, not both. Formerly offered as ENG 25.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 120

ENGL C1002H INTRODUCTION TO LITERATURE - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. This is an honors course. Credit may be earned for ENGL C1002 or ENGL C1002H, not both. Formerly offered as ENG 25H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 120

ENG 2 ARGUMENTATIVE WRITING AND CRITICAL THINKING THRU LITERATURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ENGL C1000 or ENGL C1000H

Designed to promote critical thinking and writing about diverse social, historical, and cultural contexts through inquiry into literature. It offers instruction in analytical, critical, and argumentative writing, critical thinking, research strategies, information literacy, and proper documentation through the study of literary works from major genres, while developing students' close reading skills and promoting an appreciation of the aesthetic qualities of literature. As a part of this inquiry, students will also engage with distinctively literary ways of exploring human experience, learning to articulate their own views in a meaningful conversation between themselves and contemporary issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 3 INTRODUCTION TO CREATIVE WRITING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes the writing of prose, poetry, and drama stressing critical judgment of these forms.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 200

ENG 4 FICTION FUNDAMENTALS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Teaches the fundamentals of storytelling or narrative art, including the basic elements and narrative modes of fiction. Students read published short stories, write fictional works, and assess student fiction manuscripts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 6 INTRODUCTION TO CREATIVE NONFICTION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ENG 3
Provides instruction in the craft of creative nonfiction. Designed for both the beginner and experienced writer, the course emphasizes short-form nonfiction narratives, such as the personal essay, the memoir, the profile, and the feature story. Students will explore the craft of nonfiction through the study of diverse works by published writers and through peer review of student writing in a workshop setting. Instruction will include the application of literary techniques to the nonfiction form as students write a series of narratives, culminating in the production of a piece suitable for submission to a publication.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 9 INTRODUCTION TO WRITING POETRY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ENG 3
Workshop-based course in the craft of poetry writing for both the beginning and experienced student. Instruction will focus on the elements and skills of writing poetry, including consideration of various poetic techniques, forms, and traditions. Students read, discuss, and critique the poems they have written in response to weekly assignments, which emphasize effective strategies and techniques for writing poetry with the aim toward publication.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 10 STRATEGIC READING IN A GLOBAL SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduces the history of the major changes in human discourse that have led up to our current information age, and practices the current strategies needed to critically read, analyze and process the various forms of discourse that exemplify the changing world of information. Students read and summarize informational texts, fiction and non-fiction works, write research papers, and assess student projects.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 15A SURVEY OF AMERICAN LITERATURE - 1620-1860
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes major ideas, authors, and forms in American literature during the 17th, 18th, and early 19th centuries.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 130

ENG 15B SURVEY OF AMERICAN LITERATURE - 1860-CONTEMPORARY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes major ideas, authors, and forms from the late 19th century to the present.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 135

ENG 17A SURVEY OF ENGLISH LITERATURE - BEOWULF TO ROMANTIC MOVEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Covers 9th century to 1796: Anglo-Saxon, Medieval, Tudor, Renaissance, 17th century and Neoclassical literature.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 160

ENG 17B SURVEY OF ENGLISH LIT - ROMANTIC MOVEMENT TO THE PRESENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Covers 1796 to present. Romantic, Victorian, Modern, and Post-Modern literature will be discussed in relation to social and political backgrounds.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 165

ENG 18 SHAKESPEARE - THE TRAGEDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An in-depth study of representative plays and criticism, illustrating Shakespeare's mastery of poetic and theatrical techniques and psychological portraiture within the framework of the genre of English Renaissance tragedy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 21A WORLD LITERATURE - ANCIENT TO 17TH CENTURY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of major authors and literary forms from antiquity to 17th century from world cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 140

ENG 21B WORLD LITERATURE - 17TH CENTURY TO MODERN PERIOD
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of major authors and literary forms from the 17th century to the modern period from world cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 145

ENG 22 INTRODUCTION TO SHAKESPEARE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of representative works from Shakespeare, including comedies, tragedies, and histories. Credit may be earned for ENG 22 or ENG 22H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 22H HONORS INTRODUCTION TO SHAKESPEARE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of representative works from Shakespeare, including comedies, tragedies, and histories. Credit may be earned for ENG 22 or ENG 22H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 24 ETHNIC VOICES IN LITERATURE - EXPERIENCES IN THE US
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Analyzes the literary works of African-American, Native-American, Arab-American, Asian-American, and Latino/Hispanic and their reflection of experiences in the United States. Focuses on such themes such as self and family, self and religion, self and culture, self and nature; cultural conflict; war and peace; lived experience; intersectional identity; perceptions of otherness. Compares and contrasts the styles and techniques of the authors. Focuses on social, philosophical, spiritual, and ethical values within the literature. Develops criteria for evaluating literature.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 27A INTRODUCTION TO THE NOVEL
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Surveys American, British, French, and Russian novels emphasizing form, content, philosophical and historical perspectives, and criticism. Credit may be earned for ENG 27A or 27AH, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 27AH HONORS INTRODUCTION TO THE NOVEL
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Surveys American, British, French, and Russian novels emphasizing form, content, philosophical and historical perspectives, and criticism. The honors course is enriched by smaller class size and by scholarly and field research. Credit may be earned for ENG 27A or 27AH, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 42 CHILDREN'S LITERATURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Covers basic information about children's cognitive development, the history of children's literature, types of literature available for children from pre-school to junior high age, major authors and illustrators of children's books. Focuses on the literary heritage of children's books from classic to modern. Literary analysis from a variety of critical perspectives; research into current issues in children's books (formerly ENG 142).
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 180

ENG 44 CLASSICAL MYTHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of Greek and Roman myths and legends. Emphasizes the historical sources and the cultural functions of myth and legend in the ancient societies along with their continuing impact upon modern thought.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 52 THE FILM AS LITERATURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines foreign and domestic film as a literary art form focusing on the analysis of film techniques that convey standard literary conventions to an audience.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 55 SCIENCE FICTION AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course surveys science fiction from its origins to the present day. Students will explore the genre’s common themes, its relationship to popular culture, and its reflections on issues such as race, gender, sexuality, environment, and technology. Emphasis will be placed on its capacity to challenge dominant social attitudes and question humanity’s place in the cosmos.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 70 CRITICAL THINKING, READING, AND WRITING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ENGL C1000 or ENGL C1000H with a grade of "C" or better

For students from all academic disciplines who seek to develop logical thinking, critical reading, and argumentative writing skills. Emphasis is on understanding implied meaning and logic and on developing college-level skills in analytical reading and writing and on information literacy, research strategies, and proper documentation with a minimum of 6,000 words of formal writing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENGL 105

ENG 104 WRITING SHORT STORIES
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: ENG 3
Writing the short story with an emphasis on contemporary publishing standards and an examination of the theories behind this process.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 107 WRITING THE FICTION AND/OR NONFICTION BOOK
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: ENG 3
Designed to assist students in the planning, development, and marketing of book-length fiction and non-fiction.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 160 LITERARY MAGAZINE
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: ENGL C1000, ENGL C1000H, or ENG 3
An introduction and practice in the distinctive elements of literary magazine production, providing firsthand experience in the various phases of editing and publishing a small press literary magazine.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 180 SPEED READING AND COMPREHENSION TRAINING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Designed to improve critical awareness, to double or triple the students' initial reading rate(s) while maintaining comprehension, and to expand college-level vocabulary. Reading flexibility is emphasized with attention to learning how to rapid read, skim, scan, study read, and read critically.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 190 ACADEMIC READING - SUCCESS AND STRATEGIES FOR COLLEGE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Designed to improve students' abilities for college-level work. Introduces various learning strategies to improve textbook reading as applied to all stages of academic reading. Critical thinking, summary writing, note-taking and test taking skills will be stressed, as well as time budgeting and memory techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 201 COLLEGE WRITING SUPPORT AND SKILLS
2.0 Units 2.00 hours Lecture

Corequisite: ENGL C1000

This course is a supplemental writing course taught in conjunction with ENGL C1000. It provides concurrent instruction in the basic conventions of college essay writing to supplement ENGL C1000. It is highly recommended that students also enroll in ENG 343NC, a non-credit reading lab, for additional academic reading support. Successful completion of ENG 201 and ENGL C1000 allows students to enroll in ENGL C1001.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENG 333A READING SKILLS LABORATORY BASIC
0.5 Unit 1.50 hours Learning Center

A basic lab designed as a supplement to any college course requiring proficiency in reading inclusive of but not limited to, the social and behavioral sciences; health sciences; liberal arts; fine arts; business science; and math, science and engineering. Emphasis is on individual instruction and practical application in order to strengthen and reinforce student skills in one or more of the following areas: comprehension, vocabulary, spelling, and study skills. This is an open-entry/open-exit class. This course is offered on a pass/no pass basis.
Grading Method: PN - Pass/No Pass
NR

ENG 333B READING SKILLS LABORATORY INTERMEDIATE
0.5 Unit 1.50 hours Learning Center

An intermediate-level lab designed as a supplement to any college course requiring proficiency in reading inclusive of but not limited to, the social and behavioral sciences; health sciences; liberal arts; fine arts; business science; and math, science and engineering. Emphasis is on individual instruction and practical application in order to strengthen and reinforce student skills in one or more of the following areas: comprehension, vocabulary, spelling, and study skills. This is an open-entry/open-exit class. This course is offered on a pass/no pass basis.
Grading Method: PN - Pass/No Pass
NR

ENG 333C READING SKILLS LABORATORY ADVANCED
0.5 Unit 1.50 hours Learning Center

An advanced-level lab designed as a supplement to any college course requiring proficiency in reading inclusive of but not limited to, the social and behavioral sciences; health sciences; liberal arts; fine arts; business science; and math, science and engineering. Emphasis is on individual instruction and practical application in order to strengthen and reinforce student skills in one or more of the following areas: comprehension, vocabulary, spelling, reading rate, and study skills. This is an open-entry/open-exit class. This course is offered on a pass/no-pass basis.
Grading Method: PN - Pass/No Pass
NR

English as a Second Language [ESL]

ESL 80 ADVANCED ACADEMIC WRITING I
6.0 Units 6.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement by the current assessment process or successful completion of ESL 340 or comparable course with a grade of "C" or better or "P" if taken for no credit
The first in the series of advanced academic writing courses designed for non-native speakers to develop greater proficiency in reading comprehension and written communication necessary for college-level work. Students summarize articles from a variety of academic disciplines and discuss current issues especially in American, western, and other cultures and relate those issues to their own culture and experiences. Students develop fluency and confidence by writing and rewriting thesis-based essays. (formerly ESL 350 & ESL 180)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 90 ADVANCED ACADEMIC WRITING II
6.0 Units 6.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement by the current assessment process or successful completion of ESL 80 with a grade of "C" or better or completion of ESL 380NC with a grade of "P"
This course is designed for non-native English learners advancing their proficiency in academic reading and writing. Students critically analyze a range of college-level texts and literary sources that provide varying perspectives on language and culture and how these perspectives shape one's perception of the world. Students research and synthesize these ideas into well-developed, objective and subjective written responses using a variety of rhetorical strategies and devices. Research strategies, academic vocabulary, appropriate language conventions, and integration of sources are also covered. Successful completion prepares students to enroll in ENGL C1000 or C1000H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 320 BEGINNING MULTISKILLS I
6.0 Units 6.00 hours Lecture

A low-beginning course in English for non-native speakers. Emphasis is on speaking, listening, reading, writing, grammar, and vocabulary. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 321 BEGINNING MULTISKILLS II
6.0 Units 6.00 hours Lecture

Recommended Preparation: ESL 320 or ESL 320NC
A high beginning course in English for non-native speakers. Emphasis is on listening, speaking, reading, writing, grammar, and vocabulary. Continues the familiarization with customs and culture. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 322 BEGINNING CONVERSATION
3.0 Units 3.00 hours Lecture

Initiates the ESL conversation series with emphasis on everyday conversation. Topics encompass basic oral/aural skills students need for survival. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 323 BEGINNING PRONUNCIATION
3.0 Units 3.00 hours Lecture

Designed to enable students to recognize and reproduce the sounds and intonation patterns of American English. Through intensive pronunciation drills, listening activities, free speaking, and reading of selected simplified passages, students develop confidence in speaking situations. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 325 BEGINNING READING AND WRITING
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 320 or ESL 320NC
Designed for the non-native speaker of English focusing on beginning-level reading and writing skills. Emphasis in writing is on beginning-level sentence patterns, basic spelling, basic conventions of standard written English, and basic paragraph forms. Emphasis in reading is on literal comprehension. Expansion of vocabulary is emphasized. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 330 INTERMEDIATE MULTISKILLS I
6.0 Units 6.00 hours Lecture

Recommended Preparation: ESL 321 or ESL 321NC
A low-intermediate course in English for non-native speakers. Emphasis is on further development in listening, speaking, reading, writing, grammar and vocabulary. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 331 INTERMEDIATE MULTISKILLS II
6.0 Units 6.00 hours Lecture

Recommended Preparation: ESL 330 or ESL 330NC
A high-intermediate English course for non-native speakers. Emphasis is on speaking, listening, reading, writing, grammar, and vocabulary. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 332 INTERMEDIATE CONVERSATION
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 321, ESL 321NC, ESL 322, or ESL 322NC
The second in the ESL conversation series emphasis on both formal and informal expression and conversation in American English. Topics and vocabulary are expanded. May be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 333 INTERMEDIATE PRONUNCIATION
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 323 or ESL 323NC
An intermediate-level pronunciation course designed for non-native speakers which enables students to recognize, distinguish, and produce the sounds and intonation patterns of American English. Students continue to develop confidence in speaking and comprehension through extensive practice, imitation, sound discrimination, dialogue, response, and reading. This course may be offered for zero units on an open entry/open exit basis. The unit version of this course is not open entry/open exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 335 INTERMEDIATE WRITING I
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 321, ESL 321NC, ESL 325, or ESL 325NC
Designed for the non-native speaker of English focusing on intermediate-level writing skills. Emphasis is on gaining control of intermediate level sentence patterns, basic conventions of standard written English, and basic paragraph forms. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 336 INTERMEDIATE WRITING II
3.0 Units 3.00 hours Lecture

Designed for the non-native speaker of English focusing on high-intermediate-level writing skills. Emphasis on high-intermediate-level sentence patterns, conventions of standard written English, and paragraph forms. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 340 ADVANCED MULTISKILLS
6.0 Units 6.00 hours Lecture

Recommended Preparation: ESL 331 or ESL 331NC
An advanced English course for non-native speakers, incorporating academic skills. Emphasis is on further development in listening, speaking, reading, writing, grammar, and vocabulary in general and academic contexts. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 342 ADVANCED CONVERSATION
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331, ESL 331NC, ESL 332, or ESL 332NC
Completes the ESL conversation series and aids the ESL student in fluency in both formal and informal conversation in American English within a variety of societal contexts: social, work, and school situations. Topics may be of a controversial nature. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 343 ADVANCED PRONUNCIATION
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 333 or ESL 333NC
Completes the ESL pronunciation sequence. Emphasis on accent reduction, pronunciation accuracy, auditory discrimination, conversation techniques, and selective listening skills. Develops stress distinctions and intonation patterns in order to communicate intent and meaning. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 344 IDIOMS AND EXPRESSIONS IN AMERICAN ENGLISH
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331 or ESL 331NC
An advanced vocabulary course focusing on the idioms and expressions of American English. Designed to help non-native speakers understand and use, in both speech and writing, common and useful English idioms and expressions. Introduces phrasal verbs and collocations. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 345 ADVANCED WRITING I
3.0 Units 3.00 hours Lecture

Corequisite: ESL 802
Designed for the non-native speaker of English focusing on advanced-level writing skills. Emphasis is on gaining control of complex sentence patterns and standard rhetorical patterns. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 346 ADVANCED WRITING FOR WORK
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331 or ESL 331NC
Designed to improve non-native speakers' reading comprehension and written communication skills necessary for advanced-level work using "real world" texts. Students summarize examples of American business and technical communication, design, write, and analyze different communication examples of memoranda, letters, descriptions, instructions, and other reports focusing on impact, accuracy, and clarity in relation to audience and purpose. Students also review sentence structure and grammar as needed. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 347 ADVANCED GRAMMAR REVIEW
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331 or ESL 331NC
Begins the advanced, rapidly-paced grammar sequence for non-native speakers of English. Emphasis is on structures particularly difficult for non-native speakers such as the English verb system in all tenses and aspects, including passive voice, modals, and modal-like expressions. Writing of original sentences, applying correct structure and stresses appropriate punctuations. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 354 VOCABULARY SKILLS FOR COLLEGE
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 340 or ESL 340NC
Designed to help non-native speakers of English expand and acquire a college-level vocabulary and idiomatic expressions necessary for academic and vocational courses. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 355 ESL READING FOR COLLEGE - AMERICAN LITERATURE
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 340, ESL 340NC, ESL 345, or ESL 345NC
Introduces advanced ESL students to techniques for understanding and appreciating excerpts and complete works of fiction, drama, and poetry by American writers. Students write summaries, journal entries, and character analyses and take part in discussions, dramatic activities, and presentations in response to specific works studied. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 357 GRAMMAR REVIEW FOR COLLEGE
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331, ESL 331NC, ESL 347, or ESL 347NC
Completes the advanced, rapidly-paced grammar sequence for non-native speakers of English. Emphasis is on structures particularly difficult for speakers of English as a second language such as gerunds and infinitives in both active and passive voice, and noun, adjective, and adverb clauses, including clauses of condition. Writing of original compound and complex sentences with appropriate transitions and punctuation is stressed. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 359 AMERICAN LANGUAGE AND CULTURE THROUGH FILM
3.0 Units 3.00 hours Lecture

Recommended Preparation: ESL 331 or ESL 331NC
In this content-based course, students are introduced to selected periods of American history and aspects of American culture through film. Discussion and writing assignments are based on background readings which complement these films. Film provides students with visual, kinesthetic and auditory modes of learning which makes it a highly effective method of enhancing second or foreign-language acquisition. It also offers opportunities to learn idiomatic expression, pronunciation and vocabulary as well as improve listening comprehension while gaining insight into American culture. This course may be offered for zero units on an open-entry/open-exit basis. The unit version of this course is not open-entry/open-exit and may not be repeated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ESL 802 ADVANCED WRITING I LAB
0.5 Unit 1.50 hours Learning Center

Corequisite: ESL 345

Requires concurrent enrollment in ESL 345, Advanced Writing I. Enhances and provides practice in skills learned in ESL 345. Focus is on the development of spelling, vocabulary, grammar, punctuation and reading skills leading to improved writing. Students may attend the lab at any time on a first-come, first-served basis. The unit version of this course is not repeatable.
Grading Method: PN - Pass/No Pass
NR

Entertainment and Theatre Technology [ETT]

ETT 24 STAGE MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Students will gain practical experience in the application of production responsibilities and role of a theatre stage manager in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. Includes studies in script breakdown, communication, blocking, rehearsal procedures and performance skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 192

ETT 40 STAGECRAFT
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

An introduction to technical theatre and the creation of scenic elements. Includes basic concepts of design, painting techniques, set construction, set movement, prop construction, backstage organization, career possibilities, stage management, lighting, and sound techniques. Practical experience through lab and crew positions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 171

ETT 41 LIGHTING DESIGN FUNDAMENTALS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Prerequisite: ETT 40

The study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. Requires participation as crew or construction member on Theatre Arts department productions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 173

ETT 42 COSTUME DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. Crew assignments for major productions will provide practice in construction techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 174

ETT 100 APPLIED TECHNICAL THEATRE PRODUCTION
2.0 Units 1.00 hour Lecture 4.00 hours Lab
Transfers: CSU

Focuses on pre-production skills and techniques needed prior to opening a theatrical production. Designed for those interested in a career in technical theatre.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ETT 101 FUNDAMENTALS OF DESIGN AND GRAPHICS FOR THEATRE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: ETT 40

Explores the techniques used to communicate visual ideas in the theatrical and entertainment industry. The use of hand-drawing, drafting, basic perspective, and supporting computer applications are emphasized. Students will be offered a survey of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment and construction techniques through demonstration, and laboratory experience. Information is applicable to all formal theatrical applications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 172

ETT 142 THEATRE PRODUCTION
1.0 Unit 0.50 hour Lecture 2.00 hours Lab
Transfers: CSU

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. Requires participation as crew or construction member on Theatre Arts department productions.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-1
C-ID: THTR 192

ETT 144 THEATRE SCENERY PAINTING
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

A study of the elements of theatrical scenery painting, including historical and present-day methods with practical applications through class efforts of scenery painting, as well as individual scene-painting projects.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ETT 180WE ENTERTAINMENT AND THEATRE TECHNOLOGY WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Prerequisite: ETT 40

Provides hands-on experience in the Entertainment industry. Students explore specific areas of interest in the field. Students identify a specific area of focus and develop learning objectives and expected outcomes with the assistance of faculty and industry experts (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ETT 240 ADVANCED STAGECRAFT
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: ETT 40

Principles and techniques of stagecraft, with emphasis on stage properties, alternative materials, computer usage as it relates to automation and organization at theatrical events, automated lighting, alternate spaces, and special effects. Also explores stagecraft as a profession and as it relates to all entertainment, including film, television, and theme parks. Requires participation as crew and construction member on a Department of Theatre Arts production.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ETT 242 STYLES OF PAINT FOR THE ENTERTAINMENT INDUSTRY
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: ETT 244
Creating themed environments by exploring period style elements through art, architecture, and concepts of set design. Focuses on practical application techniques and studies. Provides an overview of social, cultural, art, architecture, and period styles and décor from antiquity to the modern age of western civilization applicable to theatrical stage design.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ETT 244 ADVANCED SCENERY PAINTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: ETT 144

Examines detailed faux finish techniques, and basic mural layouts. Practical application of more advanced painting methods and tools and the estimating of costs and supplies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Environmental Studies [ENV]

ENV 1 INTRODUCTION TO ENVIRONMENTAL STUDIES

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to environmental studies that includes an overview of human activities within the global ecosystem. Examines population growth, energy use, agricultural techniques, water quantity and quality, biodiversity, air quality, and waste disposal, and searches for solutions while exploring future options. Credit for ENV 1 or ENV 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: ENVS 100

ENV 1H HONORS INTRODUCTION TO ENVIRONMENTAL STUDIES

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to environmental studies that includes an overview of human activities within the global ecosystem. Examines population growth, energy use, agricultural techniques, water quantity and quality, biodiversity, air quality, and waste disposal, and searches for solutions while exploring future options. An Honors course includes a research component. Credit given for ENV 1 or ENV 1H, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 5 BIODIVERSITY CONSERVATION

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Covers the causes and consequences of one of the most prominent forms of change in the modern era: changes in biological diversity. Provides an overview of basic concepts of conservation biology, with a focus on the earth's biological diversity, threats to its biological diversity, how threats influence populations and species, extinction, ecosystem management, restoration, and environmental policies. Field trip required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 6 SCARCITY AND ENVIRONMENT

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: ENV 1 or ENV 1H
Economic methods and tools to analyze basic environmental issues. Combining theoretical analysis with specific applications to environmental challenges as applied to water, air, energy, climate change and human health issues. Looks at market failure as a cause of inefficient resource use, depletion, and environmental pollution. Focuses on microeconomic analysis of environmental regulations, the problem of social cost, policy instrument choice, enforcement of regulations, and estimating benefits of environmental improvements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 16 ENVIRONMENTAL DISASTERS

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Past and current environmental disasters will be examined from a multi-dimensional perspective, considering not only the environmental, public health, and social implications, but also regulatory, scientific and policy issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 18 INTRODUCTION TO ECOLOGY

4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Examines the relationships among organisms (including humans) and their environment, with an emphasis upon understanding the causal mechanisms underlying each phenomenon. Learning activities will include formal laboratory investigations, examination of live animals and plants, field research and field trips to surrounding areas.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 23 ENVIRONMENTAL GEOLOGY

4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Environmental Geology is the study of the nature and dynamics of the interactions between Earth materials, its deep and near-surface processes, its hydrosphere, biosphere and atmosphere as well as how humans interact with it. Topics include climate and climate change, natural hazards (earthquakes, volcanoes, landslides and floods), resource management (mining, surface and groundwater), energy resources (fossil fuels and alternatives), pollution (water quality and air pollution), monitoring, and human influence. Field trips may be required. Also listed as GEOL 23. Credit given for either course, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOL 131

ENV 24 NATURAL HISTORY OF CALIFORNIA

4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Acquaints the student with the basic physical and biological aspects of the coastal, valley, mountain, and desert environments of California. Field trips are required to fulfill the objectives of the course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 25 ENVIRONMENTAL HAZARDS TO HEALTH

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Provides an overview of the relationship between environmental pollutants and human health. Includes the general principles of water, soil, and air pollution, of chemical and radiation poisoning, of hazardous waste management and environmental change and of other hazards that challenge human health and well-being. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 26 ENVIRONMENTAL JUSTICE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Course critically examines environmental justice as a social movement. Students will explore the ways in which environmental racism, inequality, and injustice lead to disproportionate impacts of environmental hazards on Black, Indigenous, and people of color (BIPOC) communities. In this course, students will explore the origins of the uneven distribution of environmental problems across communities, examine ways to measure environmental inequality, and analyze how environmental problems reflect and exacerbate social inequality. The history of the Environmental Justice movement will be examined while connecting the struggle to present-day environmental justice issues. Students will critically analyze environmental justice movements with a focus on solutions from grassroots activism to federal legislation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 30 ALTERNATIVE ENERGY TECHNOLOGIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introductory course presenting alternative energy policies and technologies that include geothermal, solar, hydroelectric, nuclear, biomass, and wind power. Problems of control, costs, pollution, and potential health hazards will be presented from both political and technical perspectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 37 ENVIRONMENTAL ETHICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An overview of basic concepts in the methods of examining current environmental issues and methods for creating judicious environmental policy. Examines the ethical issues raised by environmental challenges and various perspectives on determining our moral obligation to the natural environment. Various arguments/positions from several philosophers will be presented.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 38 WATER QUALITY AND MONITORING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Learn how to monitor public drinking water quality through study of Federal and State regulations, water contaminants, laboratory analyses, basic scientific concepts, sample collection techniques, interpretation of monitoring data and record keeping.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 40 ENVIRONMENTAL LAW AND POLICY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey course of US environmental law, including environmental assessment, clean air, clean water, waste management, and endangered species. Considers questions of how best to regulate, the role of citizens in environmental protection and law, the values, science, and policy that influence environmental law, and new approaches to environmental protection.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 105 ENVIRONMENTAL STUDIES INTERNSHIP
2.0 Units 1.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: ENV 1
Develop detailed knowledge in the preparation for future environmental work experience through goals and resume development, interview preparation, understanding of team work dynamics, and overview of the on the job site requirements. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 106 NATURAL RESOURCE CONSERVATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

A comprehensive overview of natural resources and conservation issues. Topics discussed include the history of conservation, including national parks and wildlife conservation, human history in relation to natural resource utilizations, and contemporary natural resource use. Contemporary conservation solutions will be investigated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 123 WATER AND SOIL CONSERVATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Evaluation of major water and soil conservation programs and practices, principles of water and soil degradation by erosion, ground water overdraft, chemical transport, climate, topography, and land usage. Examination of the effects of water and soil pollution on population growth, food production, the environment, the economy, and policy. Identification of potential solutions to improve water and soil conservation. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 141 WATER RESOURCES AND MANAGEMENT
4.0 Units 4.00 hours Lecture
Transfers: CSU

Introduction to water resources with a concentration on the historical, geographical, legal, and economic aspects for the distribution, management, and allocation of water, stressing California and the arid West. Additional focus on environmental impact of water use, past and current water controversies, and water conservation. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ENV 180WE ENVIRONMENTAL MONITORING AND ASSESSMENT WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Students select an off-campus assignment at an environmental organization or business and complete individually determined objectives. Provided hands-on experience in evaluating and analyzing specific environmental issues and preparing presentations to public and private groups (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Ethnic Studies [ES]

ES 1 INTRODUCTION TO ETHNIC STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines race and ethnicity in the United States from the perspectives and experiences of African American, Asian American and Pacific Islander, Native American, and Chicanx/Latinx communities in the United States. Students will interrogate and examine critical theories and issues in the field of ethnic studies such as patterns of imperialism, settler colonialism, genocide and ethnocide, slavery, racial formation and racialization, Eurocentrism, (im)migration, environmental justice, cultural expression, intersectionality, decolonization, civil rights, and anti-racist struggles. Credit may be earned in either ES 1 or ES 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 1H HONORS INTRODUCTION TO ETHNIC STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines race and ethnicity in the United States from the perspectives and experiences of African American, Asian American and Pacific Islander, Native American, and Chicanx/Latinx communities in the United States. Students will interrogate and examine critical theories and issues in the field of ethnic studies such as patterns of imperialism, settler colonialism, genocide and ethnocide, slavery, racial formation and racialization, Eurocentrism, (im)migration, environmental justice, cultural expression, intersectionality, decolonization, civil rights, and anti-racist struggles. This honors course will be enriched through limited class size, seminar format, and an extensive research project. Credit may be earned in either ES 1 or ES 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 3 INTRODUCTION TO CHICANX AND LATINX STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is an introduction to the historical and contemporary experiences of Chicanx and Latinx peoples in the United States. It explores past and current issues within the historical context of U.S. colonialism and imperialism, such as race and racism, intersectionality, racial capitalism, white supremacy, immigration, settler colonialism, self-determination, racial formation, civil rights, and anti-racist struggles. Credit may be earned in either ES 3 or ES 3H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 3H HONORS INTRODUCTION TO CHICANX AND LATINX STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is an introduction to the historical and contemporary experiences of Chicanx and Latinx peoples in the United States. It explores past and current issues within the historical context of U.S. colonialism and imperialism, such as race and racism, intersectionality, racial capitalism, white supremacy, immigration, settler colonialism, self-determination, racial formation, civil rights, and anti-racist struggles. This honors course will be enriched through limited class size, seminar format, and an extensive research project. Credit may be earned in either ES 3 or ES 3H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 4 INTRODUCTION TO NATIVE AMERICAN STUDIES

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

An introduction to the field of Native American Studies focusing on the histories, cultures, identities, and contemporary concerns of Indigenous peoples in North America, with a particular emphasis on the United States. Topics include colonialism, tribal sovereignty, historiography, popular representation, economic development, environmental justice, urbanization, ethnic identity, racialization, language, belief systems, and cultural diversity. Also listed as ANTH 4. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 6 BORDERS AND BORDERLANDS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course will explore material and metaphorical borders and borderlands. From the U.S.-Mexico border to the borders that delineate our social identities, the study of borders exposes and examines the boundaries that bind and divide us. In this course, the relationship among borders, culture, and identity will be explored with a focus on contemporary social issues concerning U.S. citizenship, immigrant rights, and related racial projects (e.g. colonialism, immigrant detention, racism, etc.). Particular focus will be on the U.S.-Mexico border and its impact on Latinx and Chicanx lived experiences and identities. Topics will be explored through decolonial, intersectional, and social justice frameworks, which will uncover the ways race, class, gender, sexuality, and citizenship influence the creation and continuation of borders.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 7 INTRODUCTION TO AFRICAN AMERICAN STUDIES

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Course examines the African American experience, focusing on the social, cultural, political, and historical contributions of Black people in the United States. Students explore the intersections of race, class, gender, and sexuality, examining how these identities have shaped the lived experiences of African Americans. Central to this course are themes of Blackness, resistance, agency, and social justice, as students critically engage with concepts such as racial formation, the institution of slavery, systemic racism, colonialism, intersectionality, and the cultural expressions of African Americans. By the end of this course, students will be able to analyze contemporary racial issues and recognize their historical roots.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 8 INTRODUCTION TO ASIAN AMERICAN STUDIES

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Introduction to the field of Asian American Studies, this course investigates the histories and experiences of Asian Americans and Pacific Islanders from the 1700s to the contemporary era using the lens of ethnic studies and focusing on several key themes including race and racism, gender, labor, migration, citizenship, war, militarism, colonialism and imperialism, diaspora, cultural representations, self-determination, decolonization, civil rights, and social movements. The course will also focus on how Asian Americans and Pacific Islanders negotiate their intersectionality and the structural forces confronting them. Students learn how to critically analyze events, histories, cultures, experiences, and epistemologies of Asian Americans and Pacific Islanders, as well as identify struggles of racial and social justice.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 9 RACIAL AND ETHNIC GROUPS IN THE UNITED STATES

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course makes use of an interdisciplinary and comparative approach to study the experiences of core racialized groups in the United States: Native Americans, African Americans, Asian Americans, and Chicanx/Latinx peoples. It applies theoretical frameworks and knowledge from core racialized groups to understand current and structural issues of race and racism, race relations, citizenship, immigration, ethnocentrism, white supremacy, discrimination, social justice, and anti-racist struggles. Also listed as SOC 9. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 150

ES 10 RACE, ETHNICITY, AND RESISTANCE IN THE U.S.

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course is a relational history of the experiences of core racialized groups in the United States: African Americans, Native Americans, Asian Americans, and Chicanx/Latinx. It provides a general understanding of U.S history with a focus on the history of racialized communities. Topics include race and racism, racialization, resistance and liberation movements, immigration, discrimination, community building, cultural conflict and solidarity, and cultural expressions. Also listed as HIST 10. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 11 ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the intersections of race, ethnicity, and spatial exclusion in the United States. Focuses on the spatial dimensions of race and racism, the lived spatial experiences of Native American, African American, Asian American, and Latinx/Chicanx American identity groups, and the ways in which these groups have responded to a long history of segregation, inequality, and exclusion. Emphasis will be placed on both the laws, policies, and institutional practices that created this spatial exclusion and the social justice movements that have developed in response. Credit for ES 11 or GEOG 11, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 33 CHICANX - LATINX UNITED STATES HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course analyzes the historical and contemporary experiences of Chicanx/Latinx people in the United States. Emphasis is placed on how Chicanx/Latinx lived experiences have been shaped by U.S. colonialism and imperialism, and the ways that Chicanx/Latinx people have carved a sense of belonging in U.S. society, from the colonial era through the present day. Also listed as HIST 33. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ES 81 AFRICAN AMERICAN UNITED STATES HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the history of peoples of African descent in the United States from colonial times to the present. Emphasis will be placed on struggles over the construction of race and ethnicity, slavery and emancipation, the meanings of freedom and democracy, the Civil Rights and Black Power movements' philosophies and strategies for achieving full citizenship, and the persistence of inequality and social justice in the contemporary period. Also listed as HIST 81. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Family and Consumer Sciences [FCS]

FCS 115 CONSUMER ISSUES
3.0 Units 3.00 hours Lecture
Transfers: CSU

An applied approach to consumer issues and problems, enabling one to become an informed consumer. The following topics are covered: history of the consumer movement, consumer rights and responsibilities, consumer persuasion strategies, frauds and rip-offs, overview of basic insurance coverage, basic budget and credit management strategies, and consumer contracts and alternate dispute resolutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FCS 142 LIFE MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

Application of principles of family resource management to personal and family settings. Decision-making in the management of time, energy, money and other resources to student's work and home situations. Investigation of changing roles and lifestyles. Practical applications include balancing home, family, work and individual responsibilities; household planning; work simplification; budgeting; and management of the household.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Fashion [FASH]

FASH 31 TEXTILES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Fabric selection and care considering fibers, yarns, weaves, knits, finishes, and color. Emphasis is on properties of fibers as related to their end use and consumer understanding of fabric performance.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 44 FASHION TRENDS AND CULTURAL COSTUMES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the history of dress and the forces influencing contemporary fashion trends through the study of clothing, textiles, arts, and cultures of the past. It includes a survey of the evolution of dress from Ancient Egypt to the present day, investigating dress as a document of social record. The course delves into historical, artistic, socioeconomic, geographic, religious, political, psychological, and cultural influences on clothing design, textiles, and fashion across various civilizations worldwide. Formerly FASH 144.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 51 RACE AND ETHNICITY IN FASHION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Course examines fashion and race in the context of social, cultural, and environmental influences in the US. A focus is placed on members of historically racialized groups in the United States, including Native American, African American, Asian American, and/or Latino American communities who are active producers and consumers of apparel. Apparel and textiles will be critically examined with attention to racial formation discourses as they relate to ethnicity, race, nation, class, culture, social movements, environmental-health disparities, and policy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 100 SEWING FOR FASHION DESIGN I
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Fundamentals of sewing for the fashion design industry. Introduction to industrial equipment, home and industry patterns, fabric selection, layout and cut and sew techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 101 INTRODUCTION TO FASHION CAREERS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Explores the fashion industry including the development of fashion and consumer demands, fashion producers, fashion retailers, international fashion centers, marketing concepts, promotion, publishing, and advertising areas. Determine the facts and figures that are essential for a successful career in the global world of today's fashion business. Emphasis placed on current industry and careers and may include local field trips.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 110 CONTEMPORARY CLOTHING CONSTRUCTION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: FASH 100 or basic sewing skills
Clothing construction methods appropriate for beginners or students wishing to refine their skills. Emphasis is placed on new sewing and fitting techniques for contemporary fabrics and fashion designs, individualizing patterns, and coordinating fabric choices to create the desired fashion image. Ideal for students wishing to transfer.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 111 SEWING FOR FASHION DESIGN II
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 100 or equivalent experience is suggested to help students be successful in this course.
Designed for the student who has completed Sewing for Fashion Design I. Students will continue to build their sewing skills using industrial equipment while constructing the following projects: pants, button down collar shirt and a knit project. Industrial and home sewing techniques will be covered. More challenging fabrics will be used.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 112 FASHION SEWING--ADVANCED
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 111 or equivalent experience is suggested to assist the student to be successful in this class.
Application of advanced techniques in construction of garments. Use of designer patterns and adapting patterns for a more personal style. Handling of such special fabrics as velvet, microfibers, sheers, silks, piques, taffetas, and lace. Fine custom details such as lining and underlining.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 113 COUTURE SEWING
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: FASH 111 or equivalent experience is suggested to aid student in successful completion of this course.
Application of custom techniques in construction of haute couture garments. Instruction in fine finishing details such as hand-sewing techniques, trapunto, self-trim applique, and beading.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 120 TAILORING
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 100 or basic sewing skills are suggested to assist student to complete this course successfully.
Emphasizes tailoring techniques as applied to construction of coats and suits. Stresses hand-tailoring processes including working with wool, hand-rolling collars, and supporting fabrics and linings. Also includes tailoring methods using soft, unconstructed fabrics, new shaping techniques and quick methods of construction.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 124 WEARABLE ART
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 100 or basic sewing skills are suggested to assist student to complete this course successfully.
Course work covers elements of surface design used for textiles, garments, costumes, and wearable art pieces. Techniques include: dyeing and staining textiles, discharge and resists, printing and transfer, fiber and fabric manipulation, embroidery, and embellishment. Course work incorporates elements of design, sources of inspiration, historical, and cultural techniques used for textile and wearable art.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 130 FLAT PATTERN DESIGN
4.0 Units 4.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: FASH 100 or basic sewing skills
Creative fashion and costume design achieved through flat pattern techniques. Use of the basic sloper and construction of half-scale garments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 131 CAD PATTERNMAKING WITH TUKATECH
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: FASH 130

Designed to teach computerized pattern making skills of garment design using Tukatech software. Course includes drafting basic pattern blocks (slopers), manipulating or creating new darts, adding fullness, creating pleats and making new seams on computer program. Tukatech adds computerized flat-pattern dimension to traditional flat pattern and provides a better understanding of the processes involved in producing ready-to-wear or custom apparel.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 132 DRAPING FASHION DESIGNS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 100 or basic sewing skills will assist the student to complete this class successfully.
Creative apparel designing using fabric-draping techniques on a dress form with application to the individual.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 136 APPAREL DESIGN
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 130 or equivalent experience is suggested to assist with student success in this class.
Designed to teach the basic skills of garment design: how designers develop a line, sources of inspiration, trend reports, and the elements of a successful apparel line. Course includes garment sketch, line presentation, sourcing, cost sheets, garment specs and taking your line to market.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 140 FASHION IMAGE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Aims to help men and women to look and dress their best, taking into account personal style, lifestyle, goals and budget. Provides tools for evaluating your individual style, accentuating your assets, becoming aware of color, proportion and fit. Professional fashion styling, image management and photo shoots will be included. May include field trip related to current subject matter.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 141 APPAREL SELECTION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Concepts of apparel selection for professional and personal needs based on design, culture, image and lifestyles. Includes the study of sociological, physiological, and psychological aspects of dress. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population. May include field trip related to current subject matter.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 143 FASHION BUYING AND MERCHANDISING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Study the principles and techniques of merchandising pertinent to the fashion industry including buying fashion, methods of merchandising fashion, and merchandise control.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 145 INTERNSHIP
1.0 Unit 1.00 hour Lecture
Transfers: CSU
Corequisite: FASH 180WE

Supervised and educationally-directed internship. Weekly lectures will relate on-the-job experiences with academic program. To be taken in the final year of the program with FASH 180WE.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 147 SPECIAL EVENTS COORDINATION AND PROMOTION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Emphasis is on student-produced fashion events. The course will provide training in fashion promotion, stage creation, retail sales, advertising, modeling, and merchandising.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 148 VISUAL MERCHANDISING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Visual merchandising as both an art form and a selling technique in fashion retailing. The use of color, outfit coordination, store layout, fixtures, lighting, signing, composition, mannequins, and props will be studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 150 FASHION APPAREL AND PROFESSIONAL TECHNIQUES
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Information about fashion designers' ready-to-wear and non-textile merchandise. Includes men's and women's clothing, jewelry, leather, shoes, and accessories. Examination of methods of construction and production, fashion terms, and consumer information. Stresses professional portfolio development and presentation skills for fashion design and merchandising students.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 154 FASHION ILLUSTRATION
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

The study and development of fashion illustration techniques. Included will be the uses and purposes of the four types of fashion drawings: design sketching, production sketching, presentation drawing, and fashion illustration. Emphasis will be placed on the use of croquis and developing freehand sketching skills of the fashion figure in a variety of poses, with attention to the drape, texture and pattern of fabric.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 155 THE DIGITAL FASHION IMAGE
2.0 Units 1.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: FASH 154
Create digital fashion images using Adobe Photoshop and Illustrator. Technical instruction on sketching and image production from pencil to pen tool. Students will create and merchandise a clothing line and be introduced to the computer generated portfolio.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 180WE FASHION WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Corequisite: FASH 145

Provides hands-on experience in the fashion industry. Students explore fashion careers and different types of fashion employers specific to their area of interest. Students refine and practice job skills, further develop fashion portfolios and resumes while building professional experience and contacts (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

FASH 204 UNDERSTANDING APPAREL PRINCIPLES-AIMS CERTIFICATION
1.0 Unit 1.00 hour Lecture 0.50 hour Lab

Students will learn to use the computer for costing, pricing, inventory control as well as vendor analysis. All current concepts in wholesale and retail merchandise planning are presented. The emphasis is on practical knowledge and the use of computers in today's apparel business. The class will cover the principles and procedures involved in the business applications of the fashion industry using Apparel Information Management System (AIMS) software for wholesale and retail buying decisions. Students passing final exam will earn AIMS Certification.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 205 CORSET CONSTRUCTION
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: FASH 100 or 110 or equivalent sewing experience will assist the student to be successful in this class.
Covers types of corsets, both historical and modern. Students will create their own pattern, learn proper fitting techniques, evaluate suitability of fabric and boning and build a corset from start to finish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 206 DESIGNING & CONSTRUCTING KNITWEAR, ACTIVEWEAR, SWIMWEAR
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: FASH 100 or equivalent sewing experience will assist the student to be successful in this course.
Focuses on sewing, constructing, and designing knitwear garments. Specialty techniques, types of knits, industrial machines used with knits, and basic pattern-making will be covered. Students will create garments ranging from tops to bottoms, dresses, activewear, and swimwear.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 207 ECO-FRIENDLY FASHION TOUR
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Learn how professionals in the fashion industry are minimizing their impact on the earth and "going green." Students will visit designers, retailers, textile manufactures and "eco-preneurs" to learn how they have become fashion crusaders with light footprints. Includes site visits and on-site lectures and presentations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 208 PERIOD AND VINTAGE SEWING
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: FASH 100 and 111 or equivalent experience will assist the student to be successful in this course.
Construct garments using vintage and drafted sewing patterns. Great for both fashion and costuming. Reproduce vintage and period clothing from the 18th century through 20th century. Sewing techniques from the past and their modern interpretations will also be examined. The course will include the history and evolution of patterns, sewing machines, sergers, irons, notions and equipment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 211 ADVANCED DRESSMAKING AND CUSTOM SEWING
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: FASH 111 and 130 or equivalent experience is suggested to aid in student success in this course.
Application of advanced techniques in the construction of specialty, custom and couture/designer garments. Use of advanced designer patterns and their manipulation for a custom look and fit. Handling of specialty fabrics such as lace, wools, silks, and napped fabrics as well as sophisticated couture designer finishes and embellishments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 212 CONSTRUCTION LAB
1.0 Unit 3.00 hours Lab

Includes demonstration and practice of basic and intermediate sewing skills necessary for the student at the fundamental level. Course includes exposure and use of industrial sewing machines, industrial dress forms and industrial irons in a professional studio. Offered as open-entry/open-exit as pass/no pass.
Grading Method: PN - Pass/No Pass
NR

FASH 213 DESIGNER'S LAB
1.0 Unit 3.00 hours Lab

Recommended Preparation: FASH 100
Includes demonstration and practice of advanced sewing skills necessary for the established student and designer. Course includes exposure and use of industrial sewing machines, industrial dress forms, tailoring equipment, pattern making equipment and industrial irons in a professional studio. Offered as open-entry/open-exit as pass/no pass.
Grading Method: PN - Pass/No Pass
NR

FASH 214 COUTURE LAB
1.0 Unit 3.00 hours Lab

Recommended Preparation: FASH 100 or equivalent experience is suggested to help with student success in this course.
Includes demonstration and practice of couture and specialty sewing skills necessary for the accomplished student and designer. Course includes exposure and use of industrial sewing machines, industrial dress forms, tailoring equipment, pattern making equipment, specialty equipment and industrial irons in a professional studio. Offered as open-entry/open-exit as pass/no pass.
Grading Method: PN - Pass/No Pass
NR

FASH 216 COSTUMER'S LAB
1.0 Unit 3.00 hours Lab

Includes demonstration and practice of specialty sewing skills necessary for the costuming student and designer. Course includes exposure and use of industrial sewing machines, industrial dress forms, tailoring equipment, pattern making equipment, specialty equipment, and industrial irons in a professional studio. Offered as open-entry/open-exit as pass/no pass.
Grading Method: PN - Pass/No Pass
NR

FASH 217 FOOTWEAR DESIGN AND CONSTRUCTION
2.0 Units 1.50 hours Lecture 2.00 hours Lab

Design and construct footwear/shoes for an accessory line or that complete your clothing line, compliment ensembles, theatrical costumes or stand alone as wearable art. Explores historical and ethnic inspirations as well as current market interests and trends. Covers design methods, construction techniques and sources for materials. Suggested for students interested in Fashion Design and Costuming.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 219 DRESSMAKING LAB
1.0 Unit 3.00 hours Lab

Includes demonstration and practice of intermediate sewing skills necessary for fashion students. Course includes exposure and use of industrial sewing machines, sergers, industrial dress forms and industrial irons in a professional studio. Offered as open-entry/open-exit as pass/no pass.
Grading Method: PN - Pass/No Pass
NR

FASH 220 TAILOR'S LAB
1.0 Unit 3.00 hours Lab

Recommended Preparation: FASH 111
Includes demonstration and practice of Tailoring sewing skills necessary for the accomplished student and designer. Course includes exposure and use of industrial sewing machines, industrial dress forms, tailoring equipment, pattern making equipment specialty equipment and industrial irons in a professional studio. Recommended for advanced fashion students. Offered as open-entry/open-exit and pass/no-pass.
Grading Method: PN - Pass/No Pass
NR

FASH 223 MILLINERY DESIGN
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Learn the historic art of millinery. Design and construct hats as an accessory line, to complete your clothing line, for theatrical costumes, or as wearable art. Covers historical and ethnic inspirations as well as current market interests and trends. Includes design methods, construction techniques and sources for materials. Ideal for students interested in Fashion Design and Costume Design.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 224 ACCESSORY DESIGN
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Design and develop a line of accessories. Course covers process of accessory design from inspiration to sourcing and manufacturing of handbags, small leather goods, footwear, millinery, gloves, belts, and neckwear. Overview of accessory history as well as current market trends and designers. Construction methods and manufacturing processes for accessories will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 225 APPAREL CART - FASHION RETAILING ONLINE WITH EASY CART SHOP
1.0 Unit 1.00 hour Lecture 1.00 hour Lab

Create an online store for your fashion business using Apparel Easy Shop and other retail software. Course covers building your online store with full web administration, credit card processing, secure customer shopping, and many other features specific to apparel. Includes social media integration and online marketing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 230 ALTERATIONS AND FITTING
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Recommended Preparation: FASH 100 or basic sewing skills
Included are basic procedures involved in altering a ready-made garment, industrial sewing-machine operation, identification of specific fitting problems, causes, and remedies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 234 ADVANCED PATTERN AND DESIGN TECHNIQUES
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Prerequisite: FASH 130

Translate complex original designs into garments. Includes instruction in industrial pattern and apparel construction. Students will develop style designs and patterns.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 235 DESIGNING FOR THE FASHION INDUSTRY
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Recommended Preparation: FASH 130
A professional course simulating the procedures used in the design department of a garment manufacturer. The student will design misses and junior dresses, lingerie, men's and women's sportswear, active sportswear, after-five, and children's wear. Students will deal with the problems of working ahead of fashion seasons, production costs, sale-ability, and manufacture-ability of garments. Emphasis also will be placed on improving design techniques. Class will attend industry site visits.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 238 ADVANCED DRAPING AND FASHION DESIGN
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Recommended Preparation: FASH 132
Explores design principles through draping techniques. Student will create half and full scale garments for presentation, professional portfolio, and department fashion show.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 240 DYE PROCESSES ON FABRICS
3.0 Units 2.50 hours Lecture 1.50 hours Lab

Explores a variety of methods used to dye and/or print fabrics suitable for use in clothing, costumes and interiors. Covers traditional procedures, terminology, equipment, and the various new dyes, pigments and technique trends in the current market. Various topics will be covered including shibori, high and low water immersion, ice dyeing, batik, fabric painting, tie-dyeing, dip dyeing and direct application processes. Natural dyes, mordants and eco dyeing will also be explored. Methods will be explored to enable professionals and students to design fabrics to suit their garment designs and costume projects. Excellent for fashion, theater costuming, art and interior design students.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 247 SPECIAL EVENTS PARTICIPATION
1.0 Unit 1.00 hour Lecture 0.50 hour Lab

Includes planning and participating in a student produced fashion event. Students will showcase garments of their own design or will apply staging principles learned in merchandising courses. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 250 FASHION TREND FORECASTING
1.5 Units 1.00 hour Lecture 1.50 hours Lab

Research and identify key trends in the apparel industry. Fashion forecasting research will include looking at fashion silhouette, textiles and colors, then projecting what future fashion trends will be. Covers analysis of trend forecasting companies, street fashion, couture and fashion blogging. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 251 DESIGNING FOR A CAUSE AND SUSTAINABLE FASHION
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: FASH 100, 130 and 154
Designed to teach the basic skills of garment design while promoting a particular cause. Learn how to develop a line, sources of eco-inspiration, trend reports and the elements of a successful apparel line. Explore relationships between philanthropic companies in the textiles, apparel, and retailing and other "green" companies. Drapery and pattern making using the basic block, fitting techniques, and manipulating pattern or drape to create apparel with design details.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FASH 254 FASHION IN SOUTHERN CALIFORNIA
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Introduction to the fashion industry in Southern California. Students will visit California Mart and a selection of industry professionals and environments such as designers, buyers, manufacturers, and production facilities.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Fine Arts [FA]

FA 27 INTRODUCTION TO FINE ARTS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the discipline of fine arts, including visual, performing and digital arts. Explores various topics that unite all fine arts, including terminology, aesthetics, themes, objective and subjective analysis, and exploration of contemporary issues through art mediums. Credit may be earned for either FA 27 or FA 27H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FA 27H HONORS INTRODUCTION TO FINE ARTS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the discipline of fine arts, including visual, performing and digital arts. Explores various topics that unite all fine arts, including terminology, aesthetics, themes, objective and subjective analysis, and exploration of contemporary issues through art mediums. Honors course assignments and methods of evaluation emphasize the development of critical and creative engagement with original research topics, and include a required research project as a component of the course. Reduced class size. Credit may be earned for either FA 27 or FA 27H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

French [FR]

FR 1 ELEMENTARY FRENCH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College level reading ability
Designed to develop the fundamentals of communicative competence in colloquial French. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years of high school French.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FR 2 ELEMENTARY FRENCH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: FR 1 or two years of high school French

Designed to further the fundamentals of communicative competence in daily spoken French. Although the focus remains on listening comprehension and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FR 3 INTERMEDIATE FRENCH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: FR 2 or three years of high school French

Reviews the fundamentals with further study of the French language and culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FR 4 INTERMEDIATE FRENCH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: FR 3 or four years of high school French

Concentrates on the development of fluency in the skills needed to communicate in French. Further study of cultural topics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

FR 21 INTRODUCTION TO FRENCH CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Traces the development of French culture from Roman period to modern times. Conducted in English. No prior study of French language or culture required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Gender and Sexuality Studies [GSS]

GSS 10 INTRODUCTION TO GENDER AND SEXUALITY STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An exploration of the core concepts of gender, sexuality, and women's studies focusing on gender and sexuality as social constructs that impact social institutions, cultural practices and the lives of women, men, and non-binary people. Emphasis is on how differences of race, ethnicity, class, sexuality, ability, nationality, and age have historically defined and continue to define gendered experiences and identities. Credit may be earned in either GSS 10 or 10H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SJS 120

GSS 10H HONORS INTRO TO GENDER AND SEXUALITY STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An exploration of the core concepts of gender, sexuality, and women's studies focusing on gender and sexuality as social constructs that impact social institutions, cultural practices and the lives of women, men, and non-binary people. Emphasis is on how differences of race, ethnicity, class, sexuality, ability, nationality, and age have historically defined and continue to define gendered experiences and identities. The Honors course is enhanced by a seminar format, more challenging reading assignments, more extensive writing assignments, and a smaller class size. Course may be taken for a letter grade only. Credit may be earned for GSS 10 or 10H, but not both.
Grading Method: GN - Letter Grade only
NR
C-ID: SJS 120

GSS 11H HONORS INTRODUCTION TO FEMINIST THEORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A challenge to the popular belief that feminism equals male bashing. Explores various definitions of feminism, the different ways women, men, and non-binary individuals have conceptualized what it means to be a feminist, and how the concept of gender is used to critique society. Focus is on the long history of feminism in the United States, the contributions of feminist thought to understanding relations of power and privilege; analyses of the origins and operation of gender inequality; the intersection of gender with other categories of power and hierarchy such as race, ethnicity, and class; and feminist contributions to social protests and movements for change.
Grading Method: GN - Letter Grade only
NR

GSS 15 INTRODUCTION TO QUEER STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines how and why certain expressions of sexuality and gender identity are viewed as "normal" while others are defined as "deviant." Explores how politics, cultural practices, social institutions, science, and religion have created and maintain queerphobia. Analyzes how race, class, nationality, and ability intersect with gender and sexuality to construct a person's identity and life experiences. Explores queer activism.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SJS 130

GSS 31 GENDER AND POPULAR CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines how forms of popular culture such as film, television, social media, music, and advertising portray men, women, non-binary, and queer people and how those constructions become cultural norms. Explores ideas about masculinity and femininity and how popular culture defines and shapes ideas of race, class and sexuality.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GSS 60 GENDER, RACE, SEXUALITY AND THE LAW
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Investigates how law, public policies, and politics have defined which groups of people are able to claim rights of citizenship and influence the democratic process. Highlights the experiences of women, people of color, and LGBTQ+ people, focusing on how they have mobilized to assert their rights and protect their interests. Consider how law and public policies work together to construct racial, gendered, and sexual identities in the United States. Topics include the fight for marriage equality; affirmative action; reproductive rights; and discrimination based on gender, race, and sexual orientation. Also listed as PS 60. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Geographic Information Systems [GIS]

GIS 110 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Also listed as GEOG 110. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 155

GIS 211 INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS (GIS)
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Prerequisite: GEOG 110 or GIS 110

Intermediate GIS course prepares students for advanced geographic analysis. Students will integrate geographic and spatial concepts into acquisition and creation of Geographic Information Systems (GIS), Global Positioning system (GPS) and varied data types, cartography, programming, and raster data. Laboratory exercises will allow students of various disciplines to explore the use of GIS in their fields. Also applicable to those already in the GIS field seeking additional skills. Also listed as GEOG 211. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Geography [GEOG]

GEOG 1 PHYSICAL GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Focuses on the basic physical elements of geography: Earth-sun relationships, weather, climate, landforms, soils, water and natural vegetation, and their integrated patterns of world distribution. Credit may be earned for GEOG 1 or 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 110

GEOG 1H HONORS PHYSICAL GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Focuses on the basic physical elements of geography: Earth-sun relationships, weather, climate, landforms, soils, water and natural vegetation, and their integrated patterns of world distribution. The honors course is enriched by a smaller class size, allowing mentored individual research, the level of sources used in research, and presentation of research in a public poster session. Credit may be earned for 1 or 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 110

GEOG 1L PHYSICAL GEOGRAPHY LABORATORY
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: Taken concurrently with GEOG 1 or GEOG 1H or within a year after completing GEOG 1 or GEOG 1H

An earth environment laboratory that explains in greater depth the ideas and relationships of physical geography. Stresses the scientific method in interpreting Earth-sun relations; time; earth representation through globes and maps; weather (temperature, moisture, pressure and winds); climate; natural vegetation; soils and landform evolution by tectonic forces, erosion and deposition.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 111

GEOG 2 CULTURAL GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to social and political elements of geography and a survey of major cultural patterns. Credit may be earned for GEOG 2 or GEOG 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 120

GEOG 2H HONORS CULTURAL GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to social and political elements of geography and a survey of major cultural patterns. The Honors course is enriched by a smaller class size, allowing mentored individual research, the level of sources used in research, and presentation of research in a public poster session. Credit may be earned for either GEOG 2 or GEOG 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 120

GEOG 3 WORLD REGIONAL GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the world's geographical regions and major countries with an emphasis on human cultural patterns and their evolution in diverse physical environments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 125

GEOG 11 ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the intersections of race, ethnicity, and spatial exclusion in the United States. Focuses on the spatial dimensions of race and racism, the lived spatial experiences of Native American, African American, Asian American, and Latinx/Chicanx American identity groups, and the ways in which these groups have responded to a long history of segregation, inequality, and exclusion. Emphasis will be placed on both the laws, policies, and institutional practices that created this spatial exclusion and the social justice movements that have developed in response. Credit for GEOG 11 or ES 11, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOG 38 CALIFORNIA GEOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

The natural and cultural environment of California with special emphasis on the effects of the climate, topography, resources and location upon the social, political and economic development of the state.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 140

GEOG 110 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS)
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Credit may be earned for either GIS 110 or GEOG 110, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOG 155

GEOG 211 INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS (GIS)
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Prerequisite: GEOG 110 or GIS 110

Intermediate GIS course prepares students for advanced geographic analysis. Students will integrate geographic and spatial concepts into acquisition and creation of Geographic Information Systems (GIS), Global Positioning System (GPS) and varied data types, cartography, programming, and raster data. Laboratory exercises will allow students of various disciplines to explore the use of GIS in their fields. Also applicable to those already in the GIS field seeking additional skills. Also listed as GIS 211. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Geology [GEOL]

GEOL 1 INTRODUCTION TO PHYSICAL GEOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Integrated study of the principles of geology and the use of geologic clues to determine earth history. Emphasis will be placed on the composition of earth's crust and interior, plate tectonics, volcanism, earthquakes, mountain building, surface processes and natural resources such as minerals, fossil fuels, and water. Includes laboratory exercises in identifying common minerals and rocks, reading and interpreting aerial photos, topographic, and geologic maps. Field trips will supplement laboratory work.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOL 101

GEOL 2 HISTORICAL GEOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: GEOL 1 or GEOL 20
A study of the geological and biological evolution of the Earth. Includes an introduction to geologic time; relative and absolute dating methods; stratigraphic principles; the origin of the universe, solar system, atmosphere, oceans and life; plate tectonics; and the evolution of Earth's surface and development of organisms through geologic time. Required lab allows application of lecture content. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOL 111

GEOL 3 GEOLOGY OF CALIFORNIA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is designed to familiarize students with the varied geological, topographical and geographical aspects of California. This will include a general study of the diverse geologic provinces of California, including major rock types and occurrences, the major earthquake faults and their frequency of activity, volcanoes and volcanic activity, and the geologic history and evolution of the state. Mineral and petroleum resources of the state will be discussed. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 4 NATURAL DISASTERS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines how human evolution, society, culture, and even where we choose to work and live, are dictated by natural hazards. The entire time scale from formation of the universe to the present earth system will be considered. The physical processes causing earthquakes, volcanic eruptions, tsunamis, floods, windstorms, and asteroid impacts will be described, along with the role played by these random, rapid processes in the geological and biological evolution of the planet.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 7 WEATHER AND CLIMATE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey course in meteorology, introducing students to Earth's atmosphere, weather processes, global climate patterns, and drivers of climate change in the past and the present. Includes tools and techniques used by meteorologists to observe, interpret, and predict weather. Includes tools and techniques used by paleoclimatologists to determine climate conditions in the Earth's past. Analysis of how human activities affect weather and climate processes and the patterns of global climate impacts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 20 INTRODUCTION TO EARTH SCIENCE
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

An introduction to the Earth sciences, including geology, oceanography, meteorology, and astronomy. Study of the universe, solar system, solid earth (rocks, minerals, plate tectonics, mountain-building, and earthquakes), oceans, coastlines, the atmosphere, and life, past and present. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOL 121

GEOL 21 THE SOLAR SYSTEM
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of the origin and evolution of our solar system, from the beginning to the present, as deduced from sampling, remote sensing, exploration, imagery, and theory. We will discuss and compare composition; tectonics; volcanism; surface processes; and atmospheric and thermal evolution of earth, the moon, terrestrial, and Jovian planets and their satellites. Additional topics will include meteorite and comet impacts and the possible existence of life elsewhere in the solar system. Field trips may be required to fulfill the objectives of this course. Also listed as ASTR 21. Credit given for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 23 ENVIRONMENTAL GEOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Environmental Geology is the study of the nature and dynamics of the interactions between Earth materials, its deep and near-surface processes, its hydrosphere, biosphere and atmosphere as well as how humans interact with it. Topics include climate and climate change, natural hazards (earthquakes, volcanoes, landslides and floods), resource management (mining, surface and groundwater), energy resources (fossil fuels and alternatives), pollution (water quality and air pollution), monitoring, and human influence. Field trips may be required. Also listed as ENV 23. Credit given for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: GEOL 131

GEOL 170 GEOLOGY OF THE NATIONAL PARKS
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

A grand geologic tour of some of the most scenic areas in the western states. Itineraries vary, but major parks like Zion, Bryce, Arches, Yellowstone, the Grand Tetons and the Grand Canyon are examples of locales visited. Thematic emphasis will vary depending on parks visited. Students in geology and earth sciences are encouraged to enroll.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 172 GEOLOGY OF THE MOJAVE DESERT
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Studies the origin, evolution, and geology of the Mojave Desert and adjacent areas. Students in geology and earth sciences are encouraged to enroll.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 173 GEOLOGY OF DEATH VALLEY
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Studies the origin, evolution, and geology of Death Valley National Park and adjacent areas. Thematic emphasis and course content will vary.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 174 GEOLOGY OF THE EASTERN SIERRA NEVADA
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Studies the origin, evolution, and geology of Eastern Sierra region and adjacent areas. Thematic emphasis and course content will vary.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 182 GEOLOGY MORRO BAY & THE CENTRAL COAST
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Studies the origin, evolution, and geology of the Coast Range, Morro Bay, and adjacent areas. Thematic emphasis and content will vary.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 185 GEOLOGY OF YOSEMITE NATIONAL PARK
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Application of geologic principles to study the rocks, tectonic settings, and active geologic processes of Yosemite National Park and the surrounding Sierra Nevada mountains. Trip will involve group camping and hiking. Previous geology course recommended but not required. Course may require ability to work and study under rigorous conditions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 186 GEOLOGY OF THE SOUTHERN COLORADO PLATEAU
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Application of geologic principles to study rock sequences, tectonic settings, and active geologic processes of the southern Colorado Plateau and the Sonoran Desert. Thematic emphasis will vary depending on parks visited. Trip will involve group camping and hiking. Previous geology course recommended but not required. Course may require ability to work and study under rigorous conditions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GEOL 191 GEOLOGY OF THE NORTHERN COLORADO PLATEAU
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Application of geologic principles to study rock sequences, tectonic settings, and active geologic processes of the northern Colorado Plateau, the basin and range, and the southern Rocky Mountains. Thematic emphasis will vary depending on parks visited. Trip will involve group camping and hiking. Previous geology course recommended but not required. Course may require ability to work and study under rigorous conditions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

German [GER]

GER 1 ELEMENTARY GERMAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College level reading ability
Designed to develop the fundamentals of communicative competence in colloquial German. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced as well as fundamental aspects of culture. Equivalent to two years high school German.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GER 2 ELEMENTARY GERMAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: GER 1 or two years of high school German

Designed to further the fundamentals of communicative competence in daily spoken German. Although the focus remains on listening comprehension and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GER 3 INTERMEDIATE GERMAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: GER 2 or three years of high school German
Reviews the fundamentals with further study of the German language and culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GER 4 INTERMEDIATE GERMAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: GER 3 or four years of high school German
Concentrates on the development of fluency in the skills needed to communicate in German. Further study of cultural topics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GER 21 INTRODUCTION TO GERMAN CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Introduces students of German to various aspects of German culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and Germany's influence on and contribution to the civilization of America and the world. The course does not require previous study of the German language or culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Global Studies [GLST]

GLST 1 INTRODUCTION TO GLOBAL STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: ENGL C1000 or ENGL C1000H
Introduction to the interdisciplinary field of Global Studies, including the history of globalization, and economic, political, social, cultural and ecological developments related to the process of globalization.
Grading Method: GN - Letter Grade only
NR
C-ID: GLST 101

GLST 2 GLOBAL ISSUES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: ENGL C1000 OR ENGL C1000H
Introduction to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities.
Grading Method: GN - Letter Grade only
NR
C-ID: GLST 102

Graphic Communication [GC]

GC 63 INTRODUCTION TO SCREEN PRINTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Principles, basic methods and techniques of preparing handcut and photographic stencils, printing techniques, simple color separation, and equipment and material handling. Care, use, and safety precautions in operating and cleaning the silkscreen unit. Also listed as ART 63. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 101 INTRODUCTION TO GRAPHIC COMMUNICATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Designed to introduce the graphics major as well as the non-major to the broad field of graphic communications. Includes experience in design, press operations, and bindery, as well as hands-on-experience in each of the major printing processes, including offset lithography, letterpress, and screen printing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 106 ADVANCED SCREEN PRINTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: GC 63 or ART 63
Recommended Preparation: GD 20 or ART 20, GD 147, GD 149, GD 154
Advanced theory, methods and techniques of the screen printing process including both spot and process color separations, multiple color registration, screen construction and prep, alternative media and specialized ink systems. Emphasis placed on improving a student's basic printing technique to an advanced skill level.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 195 GRAPHICS STUDIO
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Recommended Preparation: GC/ART 63 and GC 101
Hands-on experience for the advanced student who requires production experience or additional training in one or more of the following areas: design, letterpress, screenprinting, digital layout, press operation and bindery.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 208 SURFACE DESIGN I
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: GD 149
Covers the creative and technical aspects of surface design as it relates to creating repeat patterns and designs for products including textiles, home furnishings, wall coverings, floor coverings, decorative papers, greeting cards, and other surfaces. The course covers the process from initial research, design awareness, theme development and realization, to the various ways of printing and applying those designs to a variety of surfaces and materials. Creative, technical, and practical processes and procedures will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 215 INTRODUCTION TO VEHICLE WRAP DESIGN AND APPLICATION
1.0 Unit 0.50 hour Lecture 2.00 hours Lab
The fundamental principles of designing, printing, and applying large format vinyl film for vehicle wrapping. Includes design fundamentals, materials and equipment, printing procedures, and essential skills required to apply vehicle wraps.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GC 218 SURFACE DESIGN II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: GC 208
Covers the technical aspects of surface design as it relates to printing repeat patterns and designs on a variety of substrates and surfaces for products including textiles, home furnishings, wall coverings, floor coverings, decorative papers, greeting cards, and other surfaces. Students will produce printed work using a variety of printing technologies, including screen printing, dye sublimation, vinyl printing, and direct to fabric printing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Graphic Design [GD]

GD 1 HISTORY OF ANIMATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Critical and historical survey of animation as a form of communication and cultural expression, from prehistoric origins to present digital formats. Animation studied in relation to the culture and society in which they were created including U.S., Europe, and Japan. Students analyze and evaluate a large cross-section of animated works.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 2 HISTORY OF GRAPHIC DESIGN
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
A critical and historical survey of the development of graphic design, from the beginning of writing to contemporary design and designers. The influence of political, social, technological, commercial, and popular culture will be discussed and analyzed, with an emphasis on the impact and interpretation of images, symbols, and typography used in informative and persuasive media in relation to the culture in which they were created. Students will analyze and evaluate a large cross section of graphic design and designers.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 20 BEGINNING GRAPHIC DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Fundamentals of design concepts that explore organization of visual elements for graphic communication. Studio work will include traditional and computer-generated assignments in layout and typography. Designed to convey current concepts in the graphic design field. Also listed as ART 20. Credit given in either area, not both. Formerly GD 140.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 44 TYPOGRAPHY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Basic principles of typography explored. Students learn the practical, formal, and communicative aspects of typography as applied to graphic design through problem solving and technical training. Emphasis on developing the creativity and analytical skills required for effective type design. (formerly GD 144)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 51 HISTORY OF GAMES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Critical and historical survey of games as a form of communication and cultural expression, from prehistoric origins to present digital formats. Games studied in relation to the culture and society in which they were created including U.S., Europe, and Japan. Students analyze and evaluate a large cross-section of works.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 53 INTRODUCTION TO GAME DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Explores the fundamentals of game design and how games shape experiences and express ideas through the design and play of simple analog game systems. Students explore the principles and usage of game design elements through hands-on projects emphasizing iteration and playtesting while working in teams. Students develop novel games, interpret games, and survey related topics. No programming experience is required; this is not a programming course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 55 CHARACTER DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

The principles, tools, and techniques of character design for static and playable media. Explores the ways in which aesthetic designs in art and media influence, make, and convey meaning, and presents methods for designing, authoring and implementing aesthetic components into games, animations, and interactive artworks. Focuses on the various areas of design practice for creating an original character.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 56 ENVIRONMENT DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

The principles, tools, and techniques of environment design for static and playable media. Explores the ways in which environments contextualize art and characters to make and convey meaning, and presents methods for designing, authoring and implementing environmental components into games, animations, and interactive artworks. Focuses on the various areas of design practices for creating an original environment, including stage and scenic design, and technologies for interactive media and game design, like virtual world platforms, and game engines.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 58 INTERACTIVE STORYTELLING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

The history, theory, and practice of interactive storytelling for games and other interactive media. An introduction to the styles, formats and creative approaches used in writing for visual media with a particular focus on writing for interactive entertainment. Includes basic scriptwriting and storyboarding while showcasing alternative approaches unique to interactive entertainment. Concepts are explored through play, analysis, and design culminating in an original interactive story that combines practices of visual storytelling and writing for character-driven stories.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 59 3D MODELING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Introduces the tools and practices of 3D computer graphics. This course explores the basic concepts, principles, practices, tools and techniques of digital modeling, and production pipeline used primarily in CGI, games, and simulations. Students develop proficiency in 3D modeling via lectures and assignments focused on the use of a 3D modeling tool. Students produce digital models that demonstrate such proficiencies, principles, workflow, and techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 61 3D ANIMATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Introduces the tools and practices of 3D computer graphics with a focus on character creation and animation. This course explores the basic principles of animation while designing along the production pipeline used primarily in CGI, games, and simulations. Students develop proficiency in 3D modeling and character design via lectures and assignments focused on the use of a 3D modeling for designing a character. Students produce digital animations that demonstrate such proficiencies, principles, workflow, and techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 63 EXPERIENCE DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Introduces students to Human Computer Interaction and user experience design from the perspective of technical artists. A project-based introduction to tools and approaches for creating and sharing digital media content within internet-mediated social environments, with a particular emphasis on art-making and personal expression. Using methodologies or user-centered design, observational research, rapid prototyping, collaboration and system, this course explores creative problem solving.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 66 GAME ART PRODUCTION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: ART 40, ART 41, GD 51, GD 53, GD 55, GD 56, GD 59 and for Animation Track , GD 61, GD 150 and GD 210 or for Design Track , GD 104, GD 58 and GD 63

This is a culminating course meant to be taken at the completion of all other coursework for the degree. Students work in teams to design and implement a unique game or interactive experience. Emphasis on art and level design, as well as game aesthetics and world building. Particular attention should be paid to the development of character both as an art object and as a narrative element. Each project presents opportunities to address milestones in the art production development pipeline, and demonstrates corresponding entry-level technical and conceptual skills and strategies. Students will also be expected to address and practice the various team-based soft skills required in the industry. Students are expected to carry additional workload requirements outside of class.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 104 PLAY STUDIES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Introduces students to play as an expressive form that extends across many mediums of cultural expression and communication. Students study, experience, and design playful performance and interactive experiments. Explores play as a force for creativity and as a changing concept in historical and contemporary terms from the perspectives of producers, consumers, and institutions. Exposes students to the study of play across multiple disciplines, including leisure studies, game studies, performance studies, psychology, sociology, etc.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 141 GRAPHIC RENDERING TECHNIQUES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Exploration of two-dimensional media for producing graphics and illustrations. Projects encourage development of illustration skills for a variety of design applications. Recognition and choice of techniques for translating concepts into accurate and compelling renderings. Also listed as ART 141, credit may be earned for either course, not both. Field trips may be required as part of class requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 142 PACKAGE DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Traditional and computer-generated design and construction of three-dimensional packaging, including labels, overwraps, printed cartons, and point-of-purchase displays. Also listed as ART 142, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 145 GRAPHIC ILLUSTRATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Develop illustrations for advertising, informational, graphic, and editorial use. Design and apply illustrations with consideration for reproduction requirements. Illustrations will be done in line art, black and white, and limited and full color in select mediums. Also listed as ART 145, credit may be earned for either course, not both. Field trips may be required as part of class requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 147 INTRODUCTION TO COMPUTER GRAPHICS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Computer graphics course which covers many aspects of digital art and design. The student will use Adobe Creative Suite to create art and graphics with software such as Photoshop, Illustrator, and InDesign.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 149 DIGITAL ILLUSTRATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Exploration of computer-based vector illustration on the computer. Students will learn and use Adobe Illustrator software to produce finished art.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 150 DIGITAL ANIMATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: GD/ART 141, GD 147, 149
Essentials of 2D digital animation production. Modern 2D animation software creates stylish and cost effective presentations that animators, illustrators, and graphic designers use to create dynamic graphic content for animated shorts and TV shows, marketing, and web animation. Includes production process from concept development to final animation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 151 DIGITAL LAYOUT AND DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

A foundation course covering layout design for print and web publishing. Course covers typography, layout theory, pre-press production methods and project management. Emphasizes practical development techniques to produce digital visual images efficiently. Software instruction uses industry standard design software.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 154 DIGITAL PRE-PRESS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: GD 147 and 151
Digital pre-press production techniques using Macintosh computers to prepare graphic design files for professional printing. Focus on the essential pre-press production skills all graphic designers need to know such as file prep and conversion, trapping, color management, imposition, and color separation. Basic knowledge of graphic design software recommended. Field trips are required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 160 PROFESSIONAL PRACTICES FOR GRAPHIC DESIGNERS
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: GD/ART 20
Professional requirements and procedures to launch and maintain successful graphic design practice. Course focuses on the essentials of working as a freelance designer including portfolio development, presentation techniques, client relationships, marketing, implementing an accounting system, and establishing a legal entity.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 180WE GRAPHICS WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Provides students hands-on internship experience working with art directors, graphic designers, production artists, illustrators, computer graphic designers, package designers, and related professionals. One unit may be applied towards major requirements for certificate (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

GD 199 DIGITAL ILLUSTRATION II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: GD 149

Recommended Preparation: GD 200
Students will explore more advanced illustration techniques with a greater emphasis on multiple design components and more sophisticated visual concepts. Techniques and processes include digital drawing and painting projects that incorporate the use of vector and raster software programs. Professional applications of digital-based illustration will also be investigated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 200 PHOTOSHOP SKILLS FOR GRAPHIC DESIGNERS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Essentials of Adobe Photoshop as a design and production tool for graphic designers. Focuses on professional studio techniques to master this essential design tool for the creation of sophisticated graphics. Emphasizes efficient workflow, technical proficiency and aesthetic judgment. Students produce portfolio-ready projects using a broad range of imaging skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 210 MOTION GRAPHICS
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Essential principles and tools of creating motion graphics. Motion graphics is the dynamic new language of graphic design, combining moving images and typography, special effects, and sound. This course focuses on the fundamentals of Adobe After Effects, and producing impressive and effective motion graphics for advertising and informational uses. Planning, production, and the aesthetic issues of 2-D animation are covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 240 INTERMEDIATE GRAPHIC DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: GD 20 or ART 20
Further study of design concepts used in graphic design as well as portfolio preparation. Studio work will include conceptualization techniques and layout and production of designed formats. Also listed as ART 240. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

GD 249 BIOMEDICAL ILLUSTRATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: GD 149 and 200
Explore and create conceptualized illustrations and diagrammatic illustrations created to foster communication between scientist and author, teacher and student, or physician and patient. Create work that transforms complex information and data into images that explain, inform, and record scientific research and discoveries. Emphasizes the use of vector and raster illustration tools in the creation of instructive biomedical media.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Health [HLTH]

HLTH 1 CONTEMPORARY HEALTH ISSUES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An exploration into traditional and holistic health topics as they affect the individual, family, community and society. General topics include mental health and stress reduction techniques, emotional wellness, and communication skills. Specific topics include; sexuality and intimate relationships, nutrition, weight management, fitness, aging, dying, narcotics, alcohol, tobacco, reproductive choices, infectious diseases, cardiovascular health, cancer, sleep, and alternative medicine.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HLTH 2 FIRST AID, CPR, AND AUTOMATED EXTERNAL DEFIBRILLATOR
1.5 Units 1.50 hours Lecture
Transfers: CSU, UC

Accident and injury prevention, CPR, AED and first aid for common injuries/illness. Successful completion qualifies a student for American Heart Association - Heartsaver - CPR, AED and First Aid certificate.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HLTH 3 WOMEN'S HEALTH ISSUES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course analyzes the biological, psychological and sociocultural aspects of women's health, and explores health services, health education, and healthcare delivery systems. Social determinants of health and health inequities are examined as well as contemporary issues relating to LGBTQ+ rights, racism, ageism, gender stereotypes and gender roles, politics and the role of women in the family, workforce, community and society. Strategies for social and political change are developed.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Health Science [HSC]

HSC 104 MEDICAL TERMINOLOGY
3.0 Units 3.00 hours Lecture

Introduces medical terms, through the analysis of word roots, prefixes, suffixes and combining forms to create medical terms. Students demonstrate and practice accurate term pronunciation and spelling to create a medical vocabulary for use in medical and healthcare settings. Includes terms related to major diseases, diagnostics, physical examination and specialty procedures and common treatments that are used to communicate in the medical field.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 108 DISEASE PROCESSES FOR THE HEALTH SCIENCES
3.0 Units 3.00 hours Lecture
Prerequisite: HSC 104 or BIO 13

A conceptual approach to the study of disease processes including common assessment strategies and treatments with an emphasis on the body's response to the disease process. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HSC 151 INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Designed to provide information and practical experience to students pursuing a career in physical therapy, occupational therapy, recreation therapy, adapted physical education, speech pathology or other health care fields that work with special populations. Also offered as KNEA 151. Credit given for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 217 CARDIAC DYSRHYTHMIAS
2.0 Units 2.00 hours Lecture

Emphasizes cardiac function, normal and abnormal heart rhythms, causes of dysrhythmias, and interpretation of monitoring equipment printouts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 226 ADVANCED CARDIAC LIFE SUPPORT
2.0 Units 2.00 hours Lecture

Recommended Preparation: Current American Heart BLS Healthcare Provider status is required. (Proof of requirement via eCard.)
Provides healthcare students with critical assessment and management skills to treat adults with pre-arrest, cardiac arrest, and stroke. Provides information on team dynamics and communication, systems of care and immediate post-cardiac-arrest care. Also covers airway management and related pharmacology. Skills are taught in large and small group sessions and testing stations where case-based scenarios are presented.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 227 PEDIATRIC ADVANCED LIFE SUPPORT
2.0 Units 2.00 hours Lecture

Limitation on Enrollment: Current AHA BLS Provider Course Completion Card
Recommended Preparation: Previous experience or course work in health care field (EMT, paramedic, nursing etc).
American Heart Association/American Academy of Pediatrics Pediatric Advanced Life Support (PALS) course for healthcare providers to develop proficiency in the knowledge and skill of advanced pediatric resuscitation and emergency care. Satisfactory completion of the course will provide an American Heart Association Pediatric Advanced Life Support Provider course completion card.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 228 CALCULATIONS FOR MEDICATION ADMINISTRATION
1.0 Unit 1.00 hour Lecture

Explores basic concepts for safely administering medications and solutions in clinical settings. Explores the use of dimensional analysis. Develops problem-solving techniques using equivalencies and unit conversions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HSC 291 MANAGEMENT OF AGGRESSIVE BEHAVIOR IN HEALTHCARE SETTINGS
0.5 Unit 0.50 hour Lecture

Provides a general base for recognition and appropriate management of verbal and physical aggression in health care settings. Basics strategies for verbal deescalation of the aggressive person and kinetic techniques to enhance client, personal and environmental safety will be emphasized.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Hebrew [HEBR]

HEBR 1 ELEMENTARY HEBREW
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College level reading ability
Designed to develop the fundamentals of communicative competence in colloquial Hebrew. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Hebrew.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HEBR 2 ELEMENTARY HEBREW
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: HEBR 1 or two years of high school Hebrew
Designed to further the fundamentals of communicative competence in daily spoken Hebrew. Although the focus remains on listening, comprehension and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

History [HIST] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

HIST C1001 UNITED STATES HISTORY TO 1877
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. Formerly offered as HIST 16.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 130

HIST C1002 UNITED STATES HISTORY SINCE 1865
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. Formerly offered as HIST 17.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 140

HIST 4 WORLD HISTORY TO 1500
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of major themes and events in world history from the earliest civilizations to 1500. Emphasis will be placed on the rise of ancient Egypt, Greece, and Rome; the early Indian, Chinese, Latin American, and African empires, and European expansionism and global encounters.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 150

HIST 5 WORLD HISTORY SINCE 1500
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of major themes and events in world history from 1500 to the present. Emphasis will be placed on European expansionism, the Atlantic slave trade and slavery in the Americas, late 18th and early 19th century political revolutions, the Industrial Revolution, imperialism and colonialism, 20th Century nationalist movements and revolutions, and 21st century challenges.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 160

HIST 10 RACE, ETHNICITY, AND RESISTANCE IN THE U.S.
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is a relational history of the experiences of core racialized groups in the United States: African Americans, Native Americans, Asian Americans, and Chicanx/Latinx. It provides a general understanding of U.S history with a focus on the history of racialized communities. Topics include race and racism, racialization, resistance and liberation movements, immigration, discrimination, community building, cultural conflict and solidarity, and cultural expressions. Also listed as ES 10. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 11 PERSPECTIVES OF PEACE STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A comprehensive study of nonviolent philosophies and movements from the ancient world to the present, with particular emphasis on Mohandas Gandhi, Martin Luther King, Jr., and the movements they led.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 12 REVOLUTIONS AND REVOLTS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examine from a comparative perspective the origins, phases and results of selected revolutions throughout modern world history. Analyze how issues of gender, race, and class shaped these revolutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 15 THE VIETNAM WAR
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of the Vietnam War, including an examination of how the United States became involved, how this war was waged, and reactions to the policy in the United States and within the international community. An analysis of the legacies of the Vietnam conflict will be covered as America confronts world problems today.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 19 UNITED STATES SINCE 1945
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of the United States and its world relationships following the close of World War II. Special emphasis will be given to the Cold War, American social ferment, the development of the Civil Rights Movement, and American foreign policy through the Persian Gulf War.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 21 WOMEN IN UNITED STATES HISTORY - A MULTICULTURAL PERSPECTIVE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of U.S. women's history from the 18th century to the present. Focus will be placed on uncovering the similarities and differences in the historical experiences of women based on their class, racial, and ethnic identity. Concentration is on the changing roles of women in the family, community, labor force, and political system, and exploration of the evolution of gender roles and identities.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 22 SURVEY OF UNITED STATES HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of cultural, economic, political, and social aspects of the history of the United States from the colonial period to the present.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 27 LATIN AMERICA - PRE-EUROPEAN TO INDEPENDENT NATIONHOOD
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the heritage of Latin America from a cradle of civilization in the pre-European era to the beginning of nationhood. The emphasis will be on the political, economic, cultural, and social history of this period. The student will be introduced to pre-European America, the Iberian background, European conquest and dominance, the movements to end European dominance, and the creation of Latin America.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 28 LATIN AMERICA - 1800 TO THE PRESENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the political, economic, cultural, and social history of Latin America. Review the development of Latin American nations since independence from European conquest and occupation. Examines the relationship of Latin American nations with the rest of the world, with special emphasis on relations with nations of the Western Hemisphere.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 30 HISTORY OF MEXICO
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An exploration of the major historical processes and events in Mexican history from the pre-colonial era to the present. Emphasis will be placed on the economic, political, social, and cultural currents that have shaped the lives of the people of Mexico.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 32 CALIFORNIA HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of California history from the Pre-European era to the present, focusing on the economic, political and social factors that influenced the historical development of the state. Topics include early indigenous societies, the founding of the missions, the Mexican-American war, the Gold Rush, the Great Depression and World War II, and the Chicano Rights Movement.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 33 CHICANX - LATINX UNITED STATES HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course analyzes the historical and contemporary experiences of Chicanx/Latinx people in the United States. Emphasis is placed on how Chicanx/Latinx lived experiences have been shaped by U.S. colonialism and imperialism, and the ways that Chicanx/Latinx people have carved a sense of belonging in U.S. society, from the colonial era through the present day. Also listed as ES 33. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 62 EUROPEAN HISTORY TO 1650
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of the historical developments of Europe from the Ancient Mediterranean to 1650. Includes an overview of the economic, political, social, cultural, and scientific developments from the emergence of the Greek Empire to the Thirty Years War.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 170

HIST 63 EUROPEAN HISTORY SINCE 1650
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of the historical developments of Europe from the Age of Absolutism to the present. Includes an overview of political, social, cultural, and scientific developments from the era of 17th Century nation building to the present.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HIST 180

HIST 70 HISTORY OF ASIA TO 1800
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of major social, religious, political, economic, and cultural traditions of Asia to 1800. Emphasis is placed upon the historical development of China, Japan, and Korea.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 71 HISTORY OF ASIA SINCE 1800
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A continuation of History of Asia to 1800, with an emphasis on issues of modernization, adaptation, and cultural change since 1800.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 72 HISTORY OF CHINA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of Chinese history from the foundations of Chinese culture to the present, focusing on the rise of rice-based agriculture, religion, philosophy, the dynastic system, contact with the West, industrialization, the establishment of the Communist state, and the transition to a capitalist economy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 74 HISTORY OF THE MIDDLE EAST TO 1800
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the cultural, economic, and political history of the Middle East from Ancient Era to 1800 C.E. with an emphasis on the rise, spread, and development of Islam. Explores how Islam developed out of earlier Middle Eastern societies and built upon those continuities, and examines the expansion and development of Islam and its interaction with pre-Islamic Middle Eastern societies and the West until 1800 C.E.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 75 HISTORY OF THE MODERN MIDDLE EAST
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the history of the Middle East from 1800 to the present, with emphasis on the problems of developing Middle Eastern nations, the Arab-Israeli conflicts, and the political and economic implications of Middle Eastern oil. Includes a brief introduction to Islamic religious institutions, focusing on the importance of these institutions to contemporary global politics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 78 HISTORY OF JAPAN
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Survey of Japanese history from the earliest times to the present. Topics include anime/manga, the rise of the samurai, agriculture, warfare, sports, women's and men's roles in society, art, music and popular culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 80 INTRODUCTION TO CONTEMPORARY AFRICA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course challenges stereotypes and misperceptions about Africa and its history. It focuses on the political achievements of African kingdoms and empires, economic innovation and adaptation, resilience in the face of European incursions in the forms of the slave trade and colonial rule, the relationship between Africa and the rest of the world, responses to contemporary challenges, and the ways in which Africans created for themselves vibrant modern cultures, states and societies. Also listed as PS 80, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 81 AFRICAN AMERICAN UNITED STATES HISTORY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the history of peoples of African descent in the United States from colonial times to the present. Emphasis will be placed on struggles over the construction of race and ethnicity, slavery and emancipation, the meanings of freedom and democracy, the Civil Rights and Black Power movements' philosophies and strategies for achieving full citizenship, and the persistence of inequality and social justice in the contemporary period. Also listed as ES 81. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HIST 99 ENGAGING WITH HISTORY AND HISTORICAL METHODS
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC

Course introduces students to approaches and methods in historical study and research, with an emphasis on substantial historical aspects of the Humanities. Students will develop their understanding of core concepts, approaches, and methods in the field of History through an examination of specific time periods and historical processes, such as World War II, the modern Olympics, protest movements, and/or commodity chains in world trade from 1500 to the present. Students will apply that understanding to guided individual research on a topic selected in conjunction with the instructor.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Honors [HON]

HON 11H HONORS CULTURE, SCIENCE, SOCIETY - RENAISSANCE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ENGL C1000 or ENGL C1000H

Cross-disciplinary seminar. Explores the continuity of cultural traditions through a study of major works of history, literature, philosophy, social thought, fine arts, and the sciences. Compares and contrasts modes of inquiry characteristic of those disciplines. Organized around the theme of renaissance.
Grading Method: GN - Letter Grade only
NR

HON 12H HONORS CULTURE, SCIENCE, SOCIETY - THE POSTMODERN WORLD
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ENGL C1000 or ENGL C1000H

Cross-disciplinary seminar. Explores the continuity of cultural traditions through a study of major works of history, literature, philosophy, social thought, fine arts, and the sciences. Compares and contrasts modes of inquiry characteristic of those disciplines. Organized around the theme of the postmodern world.
Grading Method: GN - Letter Grade only
NR

HON 13H HONORS CULTURE, SCIENCE, SOCIETY - POWER, RESISTANCE, EMPIRE

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Prerequisite: ENGL C1000 or ENGL C1000H

Cross-disciplinary Honors seminar designed to focus on European colonialism and indigenous resistance to empire-building through a study of major works of history, literature, philosophy, social thought, fine arts or the sciences, and to compare and contrast the modes of inquiry characteristic of those disciplines.

Grading Method: GN - Letter Grade only

NR

HON 14H HONORS CULTURE, SCIENCE, SOCIETY - TRANSFORMATION OF EMPIRE

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Prerequisite: ENGL C1000 or ENGL C1000H

Cross-disciplinary Honors seminar designed to focus on the transformation of European empire into the post-colonial world through a study of major works of history, literature, philosophy, social thought, fine arts or the sciences, and to compare and contrast the modes of inquiry characteristic of those disciplines.

Grading Method: GN - Letter Grade only

NR

Horticulture [HORT]

HORT 7 INTRODUCTION TO LANDSCAPE DESIGN

3.0 Units 2.50 hours Lecture 1.50 hours Lab

Transfers: CSU, UC

The fundamentals of landscape design as applied to various scales of landscape projects. Focus is directed at principles of sustainable design, and appropriate use of hardscape and plant materials. Field trips may be required to fulfill the objectives of this course.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

HORT 10 PLANT MATERIALS-ORNAMENTAL

3.0 Units 2.50 hours Lecture 1.50 hours Lab

Transfers: CSU, UC

Landscape plants and identification. Includes trees, shrubs, plants used as ground covers, bedding plants, and vines. Plants identification, physical aspects of plant parts, such as, shapes, textures and colors of leaves and flowers, will be studied.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

HORT 11 PLANT MATERIALS-EDIBLES

3.0 Units 2.50 hours Lecture 1.50 hours Lab

Transfers: CSU, UC

Vegetables, fruits, and herbs that are regionally appropriate are identified and studied for the optimum growing conditions. Growth characteristics and cultural requirements are presented.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

HORT 15 HISTORY OF LANDSCAPE DESIGN

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

History tends to repeat as time moves forward, and, learning from the past is an important tool for landscape design for the current challenging environment. This class is a study of design implementations for various situations in the world, from ancient time to the 20th Century, including Italian, French, English, Dutch, Persian, Chinese, Japanese as well as American gardens, parks and other open spaces. This course will also review the cultural, social and environmental aspects, besides aesthetics, that have influenced landscape design solutions as well as the positive environmental impacts. Formerly HORT 115.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

HORT 20 INTRODUCTION TO HORTICULTURAL SCIENCE

4.0 Units 3.00 hours Lecture 3.00 hours Lab

Transfers: CSU, UC

Ornamental horticulture, with scientific emphasis and assessment through lab tasks, including plant structure, growth and development, pest management, soils, fertilization, propagation, pruning, diseases, planting methods, greenhouse management, and landscape design principles will be studied. Includes extensive hands-on lab tasks. Field trips and observations may be required to fulfill the objectives of this course. Credit may be given for HORT 20 or HORT 20H, but not both.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: AG-PS 104

HORT 20H HONORS INTRODUCTION TO HORTICULTURAL SCIENCE
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Ornamental horticulture, with scientific emphasis and assessment through lab tasks, including plant structure, growth and development, pest management, soils, fertilization, propagation, pruning, diseases, planting methods, greenhouse management, and landscape design principles will be studied. Includes extensive hands-on lab tasks. Field trips and observations may be required to fulfill the objectives of this course. The Honors version includes a research component and a greater focus on student engagement. Credit may be given for HORT 20 or HORT 20H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 106 LANDSCAPE CAD-FUNDAMENTALS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Use of computer-aided drafting (CAD) applications in landscape design and implementation. Covers software applications in computer aided drafting for landscape design plans, including hardscape and planting, and details, according to industry standards.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 109 INTRODUCTION TO PLANTING DESIGN
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Elements and principles of planting design are explored. Emphasis is given to organizing and applying plant material to design problems using accepted ecological, functional, and aesthetic standards, focusing on the sustainability. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 110 INTRODUCTION TO URBAN FARMING
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

An introduction to the principles and practices of Urban Farming. Emphasis is given to current trends for designing and growing urban landscapes, farms, and urban gardens. Considerations for various needs and exposures such as a roof top garden, or for a garden watered with grey water will be addressed. Discussions focus on ecological, functional, and aesthetic standards that are unique in an urban setting. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 111 INTRODUCTION TO PERMACULTURE
2.0 Units 2.00 hours Lecture
Transfers: CSU

Explores methods of permaculture design that are informed by the concept of working with nature. Different from sustainable landscape design which preserves habitat and ecology, Permaculture design is restorative to habitat and ecology. Students will explore ecological design, ecological engineering, environmental design, construction and integrated water resources management that develops sustainable architecture, regenerative and self-maintained habitat and agricultural systems modeled from natural ecosystems. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 112 PLANT PROPAGATION
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Theory and practices of plant propagation, including seeds, cuttings, division, tissue culture, layering, budding, and grafting. Study will include propagation structures, plant growth regulators and environmental factors regulating plant growth and development. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AG-EH 116 L

HORT 113 SOILS AND FERTILIZERS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Soil is a living ecosystem critical to the establishment of healthy plants. Soil texture, aeration, structure, cation exchange and other physical and chemical properties will be studied. Characteristics, uses, and methods of application of fertilizers and soil amendments in practical applications are presented.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AG-PS 128 128 L

HORT 116 IRRIGATION DESIGN FUNDAMENTALS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

An irrigation-systems course covering landscape system design, installation, maintenance and repair. Emphasizes water conservation principles and practices. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 120 INTEGRATED PEST MANAGEMENT
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Pest recognition and the methods of environmentally acceptable control with the sustainability in the landscape, nursery, and home will be studied. Insects, spider mites, weeds, fungi, bacteria, viruses, nematodes, and vertebrates are included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 130 HARDSCAPE AND CONSTRUCTION MATERIALS FUNDAMENTALS
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Materials used in the development of ornamental hardscapes in landscape design include soils, stone, concrete, wood, brick, steel, and plastics. Design considerations in the use of these materials and the laws and regulations that apply are also covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 138 THE SUSTAINABLE LANDSCAPE
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Fundamentals of sustainable landscape design, including water conservation, reduced use of chemicals, sustainable landscape maintenance practices, informed pruning and plant care, propagation, pest control, and fertilization.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 139 CONTEMPORARY LANDSCAPE DESIGN TRENDS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Students explore current and design trends and directions with ever-changing technologies and globalization. Understand current landscape design trends through case study of successful landscape design projects and design professionals in the 21st century.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 140 BUSINESS ASPECTS IN HORTICULTURE AND LANDSCAPE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Introduces concepts critical to landscape construction. Students learn how to build a landscape design with practical implementation. Duties of the supervisor and foreman in landscape construction are discussed throughout.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 142 INTRODUCTION TO DESIGN TECHNOLOGY
1.0 Unit 1.00 hour Lecture
Transfers: CSU

Provides an overview of multiple computer applications for landscape design. Projects are explored for the most efficient design workflow. Integrates multiple computer applications for landscape design tasks.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 145A LANDSCAPE DESIGN-NATIVE GARDEN
2.0 Units 1.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Addresses the importance of sustainable planting design, especially for water conservation, primarily focusing on native plants. Create landscape designs with aesthetics, function, and minimal impact on the surrounding ecosystem.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 145B LANDSCAPE DESIGN-EDIBLE GARDEN
2.0 Units 1.50 hours Lecture 1.50 hours Lab
Transfers: CSU

The goal of edible garden design is to incorporate edibles in a functioning, aesthetic garden that contributes to health of ecosystem. This course explores methods of incorporating edible plants into the overall landscape design. Students will create designs based on the textures, colors, shapes and growth characteristics of edible plants. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 145C LANDSCAPE DESIGN-WELLNESS GARDEN
2.0 Units 1.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Explores methods of incorporating the principles of design into the creation of wellness gardens for well being. Wellness gardens are of proven benefit for vocational, social, and practical functions pursuing healthy body and mind. Students will create universal access designs for various health related beneficial purposes. Field trips may be recommended to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 146 LANDSCAPE DESIGN PORTFOLIO DEVELOPMENT
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Focuses on the development of a portfolio style tailored to the student's individual landscape design experience. Principles of effective graphic layout are discussed and utilized. Effective wording and creative layout are critiqued and modified. Students create a professional quality portfolio for a competitive advantage in the workplace.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 166 NATIVE PLANTS IN THE URBAN LANDSCAPE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Studies California native plants suitable for landscape use. Emphasizes the identification of plants, cultural requirements for their use in the landscape, and the ecology of the plants in nature. Special attention will be placed on solving landscape problems using native and other drought-tolerant plants. Field trips may be required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 180WE HORTICULTURE AND LANDSCAPE DESIGN WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Provides hands-on experience for students in sustainable horticulture and landscape design, including urban farming and wellness gardening, The care and production of native plants commonly used in landscape design, care for edibles organically, designing and maintaining gardens for well-being, are focused. Students will learn from "real world" experience as the confirmation of knowledge acquired from learning, and, will be able to confirm learning objectives and expected outcomes with the assistance of faculty and industry experts (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

HORT 238 INTRODUCTION TO WELLNESS GARDENING
3.0 Units 2.50 hours Lecture 1.50 hours Lab

An overview of the history and purpose of Wellness Gardening. Explores the evolution of horticulture therapy from its start with medical illnesses, behavioral illnesses, and physical injury, to current day trends in holistic well-being. Emphasis is given to current trends for the implementation of wellness gardens. Ecological, functional, and aesthetic standards that are unique in a therapy garden will be discussed. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HORT 239 FENG SHUI AND WELL BEING
2.0 Units 2.00 hours Lecture

Explores methods of designing with the principles of Feng Shui, an ancient Chinese method of designing a harmonious and beneficial surrounding. The goal of Feng Shui as practiced today is to situate the human-built environment in a favorable position to maximize wellbeing. Students will explore designs based on the balance, placement, and understanding of shapes and elements. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Hospitality & Restaurant Management [HRM]

HRM 150 INTRODUCTION TO HOSPITALITY MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

Overview of structure and financial performances of hospitality industry; food and lodging, resorts, tourism enterprises, attractions and related operations. Focuses on orientation to customer service, cultural/economic trends and career opportunities. (formerly FN 150)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 100

HRM 152 SPECIAL EVENTS MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

This course provides an in-depth exploration of the principles and practices involved in planning, organizing, and managing special events. Students will gain practical experience through the directed practice of coordinating two distinct events during the semester. Emphasis is placed on the comprehensive development of event concepts, strategic planning, logistical coordination, budgeting, marketing, and execution. (formerly FN 152)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HRM 154 HOSPITALITY COST CONTROL
3.0 Units 3.00 hours Lecture
Transfers: CSU

Analyzing and managing: Food, beverage, labor and other costs within a hospitality operation. Emphasis on problem solving, applying cost control techniques to maximize profits while managing expenses. Topics include: establishing standards, cost-volume-profit-analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention and labor control. (formerly FN 154)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 120

HRM 157 HOSPITALITY LAW
3.0 Units 3.00 hours Lecture
Transfers: CSU

The study of business-related torts, common law, contracts, and real and personal property, with an emphasis on assessing legal risks and rights as they pertain to hotels, restaurants, resorts and associated businesses. The course includes: an overview of the U.S. judicial system, the Constitution, the duties of innkeepers, and food and beverage liability including state and federal regulations, court decisions, and legislative requirements impacting hospitality operations. (formerly FN 157)
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: HOSP 150

Human Services [HS]

HS 19 INTRODUCTION TO CRIMINAL JUSTICE SYSTEM
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A broad overview of the American criminal justice system. Deals with the examination of criminals, victims, and the society in which they live. Emphasis is given to the criminal justice process, law enforcement, adjudication, post-conviction strategies, and juvenile justice. Also examines the entire spectrum of criminal justice and its components, from crime causation and police involvement to the trial process and corrections. Also listed as SOC 19. Credit may be earned for either course, not both. Formerly HS 119.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AJ 110

HS 37 INTRODUCTION TO CRIMINOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An analysis of criminal liability in the U.S., crimes against persons and property, and public welfare. Emphasis on elements of crime, common and statutory law, and the nature of acceptable evidence. Utilizes case law and case studies and an analysis of the historical, social, cultural, psychological, economic, structural, and political causative factors related to crime. Includes discussion of prosecution and defense decision-making, criminal culpability, and defenses to crimes, and the role of the law to prevent future criminal behaviors, the criminal justice system, crimes within our society, theoretical explanations of deviance and criminal behavior, the causes and effects of crime on society, social inequality, and social justice. Also listed as SOC 37. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 100 INTRODUCTION TO HUMAN SERVICES
3.0 Units 3.00 hours Lecture
Transfers: CSU

An introduction to the Human Services profession. Explores historical and contemporary perspectives of problems in living and the Human Services field. Examines models of helping and related values, skills, and roles of the Human Services professional. Studies the broad definition of the profession of Human Services. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 101 ADDICTION STUDIES COUNSELING SKILLS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: HS 100
This is a theoretical and experiential course that will introduce students to foundational and requisite addiction assessment, intervention, and treatment counseling skills. Students will be introduced to historical and etiological models of substance use disorders and process addictions. Self-exploration and professional issues in addiction counseling will be examined. Students will be introduced to various clinical documentation formats and evidence-based interventions. This course will introduce students to counseling skills needed to work with special and diverse populations as well as various treatment modalities. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 105 ETHICAL ISSUES AND CLIENTS' RIGHTS
3.0 Units 3.00 hours Lecture
Transfers: CSU

An introductory course focusing on the ethical and legal standards and requirements of the human services (HS) profession, as well as the ethical standards for Addiction Treatment Counselors. It emphasizes the relationship of values in the role of the HS professional and includes areas such as practice, training, supervision, and consultation. The course examines various professional ethical standards and codes of conduct and identifies confidentiality laws and ethical standards, including the Code of Federal Regulation (CFR) 42 Part 2, as they relate to the provision of treatment for substance use and addictive disorders. Disclaimer: Letter Grade Only
Grading Method: GN - Letter Grade only
NR

HS 110 FIELD INSTRUCTION AND SEMINAR I
3.5 Units 1.50 hours Lecture 6.00 hours Lab
Transfers: CSU
Prerequisite: HS 120 and HS 140 and HS 100 and HS 170 and HS 105 with a "C" or better

Provides supervised field-instruction experience in approved community agencies that serve clients in the field of Human Services. Focus is on beginning development and use of helping skills, professional and ethical practices, client record documentation and service coordination. Self-awareness and beginning professional growth are also emphasized. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

HS 112 CONFLICT RESOLUTION AND MEDIATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Examines and introduces principles of non-violent, non-litigious conflict management skills with an emphasis on theory and the practice of conflict resolution, mediation, and third-party interventions. Designed to train individuals to be effective in resolving conflicts and engage mediation techniques in a broad context, from interpersonal relationships to working with individuals, groups, and staff in the workplace to dealing with interpersonal conflicts in alcohol and drug treatment settings, mental health settings, community-based correctional settings, educational and workplace settings and other human services milieus. Skills applicable for interpersonal development.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 120 HUMAN DEVELOPMENT IN THE SOCIAL ENVIRONMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

An overview of human development including the environmental influences that shape biopsychosocial development throughout the lifespan. Theories, research, and psychological perspectives of physical, cognitive, personality, and social development are examined including developmental problems and the role of human services in optimizing human development.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 128 COMMUNITY-BASED CORRECTIONS
3.0 Units 3.00 hours Lecture
Transfers: CSU

A highly interactive exploration of the front-line work in community-based corrections, halfway houses, parole and probation supervision, diversion, youth advocacy, and community programs. Includes both a state and local perspective on functions, successes and limitations in community-based corrections.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AJ 200

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES
3.0 Units 3.00 hours Lecture
Transfers: CSU

Focuses on the major cultural, historical, and societal themes in the US and highlights the competencies needed to address and work effectively with people from various ethnic, racial, and religious groups. Examines the knowledge, skills, and attitudes needed for the treatment provider to understand the full context of a client's sociocultural environment and examines those that have been disadvantaged or excluded from mainstream US society. Includes individuals with co-occurring disorders. Students actively seek understanding across differences, and focus on psycho education in subject areas that serve the goals of treatment and rehabilitation. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

HS 140 GROUP LEADERSHIP AND GROUP PROCESS
3.0 Units 3.00 hours Lecture
Transfers: CSU

An introduction to group dynamics and group leadership skills within the context of the helping professions. Focuses on group development, interpersonal processes, and group facilitation skills. Concepts related to professional and ethical standards of group leadership are integrated. Application of course concepts occurs through experiential learning opportunities. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 150 FIELD INSTRUCTION AND SEMINAR II
3.5 Units 1.50 hours Lecture 6.00 hours Lab
Transfers: CSU
Prerequisite: HS 110

Provides continued supervised field-instruction experience in approved human services community agencies. Students increase development of helping skills, client record documentation and service coordination. Emphasizes increased integration of theoretical human services course concepts and industry-related, evidence-based competencies. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 170 ALCOHOL AND OTHER DRUGS IN OUR SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU

Historical and sociological perspective on the use, abuse and social control of psychoactive drugs. Includes overviews of the biopsychosical nature of addiction; the impact of addiction on families and society; contemporary treatment and prevention approaches; and the addiction counseling profession. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR
C-ID: ADS 110 X

HS 171 SUBSTANCE ABUSE - INTERVENTION, TREATMENT AND RECOVERY
3.0 Units 3.00 hours Lecture
Transfers: CSU

The assessment, intervention and treatment of Substance Use Disorders (SUD) are explored from an interdisciplinary perspective. Students learn to tailor helping strategies and treatment modalities to the client's Motivational Stage of Change, development, and recovery. Challenges students to examine their existing ideas about treatment and recovery from SUD. Provider approved by the California Board of Registered Nursing, Provider Number CEP60. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

HS 172 PHYSIOLOGICAL EFFECTS AND PHARMACOLOGY OF ALCOHOL AND DRUGS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: PSYC 37
Examines the physiological, psychological, and behavioral effects of drug and alcohol addiction. Pharmacologic management, metabolic, neurological processes, and drug use during the perinatal period are included. Analyzes the effects on human development, the syndromes of withdrawal, abstinence, synergistic effects, risk factors and integrates multidisciplinary treatment considerations. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

HS 174 CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL
3.0 Units 3.00 hours Lecture
Transfers: CSU

Introduces basic case administration and crisis intervention skills. Includes crisis intervention, treatment planning, and securing resources for client referral, record documentation, screening, data collection, and aftercare. Emphasizes care of clients with substance use disorders and other mental health conditions. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

HS 176 CO-OCCURRING DISORDERS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: HS 172
An introduction to the identification of symptoms and the assessment process for the presence of co-occurring disorders (diagnoses of mental health conditions and substance use disorders). Explores the relationship of these conditions including an introduction to the Diagnostic and Statistical Manual of Mental Disorders; emphasizes the development of concurrent integrated treatment strategies, including the Recovery Model and the development of entry-level skills required of professionals who interact with individuals with co-occurring disorders. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 177 FAMILY DYNAMICS OF ADDICTION AND ABUSE
3.0 Units 3.00 hours Lecture
Transfers: CSU

A multifaceted study of substance use disorders (SUD) within the family and social systems including generational abusive acts of violence within the family system. Examines various theoretical models of addiction and the family systems theory in the context of understanding familial and generational patterns of SUD and the cycles of violence. Assessment, intervention, and treatment strategies are explored in the context of family systems. Letter grade only.
Grading Method: GN - Letter Grade only
NR

HS 181 INTRODUCTION TO EATING DISORDERS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Introduces students to the history, symptomatology, treatment and resources for anorexia nervosa, bulimia nervosa, binge eating disorder, and other eating disorders. Includes gender, sexual identity and abuse, obesity, cultural differences, societal attitudes, and the addiction cycle. The biological, psychoanalytic, cognitive-behavioral, feminist, family systems, and other theoretical perspectives will be examined.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 184 MEDICAL ASPECTS OF EATING DISORDERS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: HS 181
Identifies classification, epidemiology, etiology, and physiology of obesity, anorexia, bulimia and binge eating disorder. The contemporary methods of assessment, treatment, and complications of obesity, anorexia, bulimia and binge eating disorder are to be examined.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 185 THE BACKGROUND AND TREATMENT OF EATING DISORDERS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: HS 181
Addresses the assessment and treatment of eating disorders in various treatment settings (inpatient, day treatment, outpatient), and the use of community support systems. The student will develop a philosophy regarding the etiology and treatment for eating disorder clients. Students will be introduced to the complexities and varieties of eating disorders treatment approaches.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HS 187 JUVENILE VIOLENCE, GANGS, AND VICTIMIZATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

Reviews the history of juvenile violence in the United States to its present day escalation. Theories of causative factors related to genetics, sociocultural transmission, psychology, behavior, parricide and substance abuse will be presented and assessed. The role of the juvenile justice system, gang cultures, and victimization will be examined. Addresses pragmatic solutions for lowering juvenile violence.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AJ 220

HS 220 BENEFITS AND ENTITLEMENT
3.0 Units 3.00 hours Lecture

Comprehensive approach to methods of obtaining and maintaining federal, state and regional public income and healthcare coverage for the disabled, elderly and low to moderate income individuals and families. Benefits and Entitlement programs include California State Disability Insurance, Supplemental Security Income (SSI), Social Security Disability Insurance (SSDI), and Medicare/Medi-Cal Insurance programs. This course covers work incentives and employment supportive services with an emphasis on asset building and financial literacy for low to moderate income individuals and families.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Humanities [HUM]

HUM 1 INTRODUCTION TO HUMANITIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduces students to the practices and subject matter of the central disciplines of the humanities including philosophy, literary theory, art history, and music theory. Students learn how to use a variety of forms of human expression to analyze and assess aspects of human nature and culture. The course focuses on questions about our knowledge, values, identities, and natures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HUM 2 ORIGINS OF WESTERN CULTURE IN LITERATURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Investigates early Western thought and culture in Ancient Greece and Rome and ties them to our contemporary society. Science, religion, art, human relationships, what we can know: all are potential topics of discussion. Requires no background in classical culture and the readings are in English.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HUM 21 THE SEARCH FOR MEANING - IDEAS OF SELF ACROSS CULTURES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Explores philosophical notions of self and the changing faces of human nature as they shape and are shaped by prevailing social systems and cultural patterns across the world. Compares a variety of fictional and historical figures ranging from the Homeric hero to the Confucian aristocrat, from Joan of Arc to Sojourner Truth, in an attempt to understand theories of who we are, and how we can think critically concerning this, in the contemporary scene. Draws upon the perspectives of disciplines such as history, science, psychology, philosophy, literature, and the arts.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

HUM 25 PLANET EARTH - CONTEMPORARY ISSUES AND CONTROVERSIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An examination of issues confronting humanity on a global scale at present and into the foreseeable future. Social, educational, biological, economic, political and other contemporary perspectives will be treated. Topics include population growth, food supplies, energy and resources, terrorism and world order, racism and sexism, international affairs; and individual issues such as sex roles, power and powerlessness, individual life cycles, and psychology and metaphysics.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Intercollegiate Athletics [IA]

IA 1 MEN'S FOOTBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Recommended Preparation: Previously competed at the high school, community college, or 4-year college in interscholastic or intercollegiate football.
Student athletes will train and prepare to compete in Intercollegiate Football.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 2 MEN'S BASKETBALL
1.5-3.0 Units 5.00-10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Men's Basketball. The 1.5 unit/5 hours lab will be scheduled spring semester only and the 3 unit/10 hours lab will be scheduled fall semester only.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 3 MEN'S BASEBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Baseball.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 4 MEN'S TRACK AND FIELD
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to prepare for competitive participation in Intercollegiate Men's Track and Field.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 5 MEN'S CROSS COUNTRY
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Men's Cross Country.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 6 MEN'S GOLF
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Men's Golf.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 7 MEN'S WATER POLO
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Men's Water Polo.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 8 MEN'S SWIMMING AND DIVING
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Men's Swimming and Diving.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 9 MEN'S TENNIS
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Recommended Preparation: Previously competed at high school, community college, 4-year college, or adult advanced tennis level.
Student athletes will train and prepare for Intercollegiate Men's Tennis competition.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 10 WOMEN'S VOLLEYBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC
Limitation on Enrollment:

Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Volleyball.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 11 WOMEN'S SOFTBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Softball.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 12 WOMEN'S BASKETBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Women's Basketball.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 13 WOMEN'S TENNIS
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment:

Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Tennis.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 14 WOMEN'S SWIMMING AND DIVING
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment:

Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Swimming and Diving.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 16 WOMEN'S TRACK AND FIELD
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment:

Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Track and Field.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 17 WOMEN'S CROSS COUNTRY
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Women's Cross Country.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 18 WOMEN'S WATER POLO
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment:

Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Water Polo.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 19 WOMEN'S GOLF
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)
Provides an opportunity for students to train and participate in Intercollegiate Women's Golf.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 20 WOMEN'S SPORTS OFF SEASON TRAINING
0.5-3.0 Units 2.50-10.00 hours Lab
Transfers: CSU, UC

Off season training designed for women's intercollegiate athletics with an emphasis on aerobic and anaerobic conditioning, sports specific strength development, skills training, play strategies, and nutrition for optimal performance.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 21 WOMEN'S SOCCER
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD)

Provides an opportunity for students to train and participate in Intercollegiate Women's Soccer.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 22 WOMEN'S SAND VOLLEYBALL
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Pre-participation physical examination and be declared fit for athletics by a medical doctor (MD).
Provides an opportunity for students to train and participate in Intercollegiate Women's Sand Volleyball.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 23 INTERCOLLEGIATE MEN'S SOCCER
3.0 Units 10.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Students must meet the COA eligibility requirements and pass a pre-participation screening (PPE) examination and be declared fit for athletics by a medical doctor (MD).
Provides an opportunity for students to train and participate in Intercollegiate Men's Soccer.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 30 MEN'S SPORTS OFF SEASON TRAINING
0.5-3.0 Units 2.50-10.00 hours Lab
Transfers: CSU, UC

Off season training designed for men's intercollegiate athletics with an emphasis on aerobic and anaerobic conditioning, sports specific strength development, skills training, play strategies, and nutrition for optimal performance.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

IA 100 INTERCOLLEGIATE ELECTRONIC SPORTS
1.5-3.0 Units 5.00-10.00 hours Lab
Transfers: CSU

Designed to introduce students to the world of competitive eSports. Students will join an intercollegiate athletics team to compete against other colleges and universities across the country. Students will use Playstation, Xbox, Nintendo, and PCs while competing in such eSports games as Fortnite, League of Legends, Overwatch, Super Smash Bros., and Rocket League.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

Interdisciplinary [INTS]

INTS 180WE GENERAL WORK EXPERIENCE
2.0-3.0 Units 6.00-9.00 hours Learning Center
Transfers: CSU

Course provides general hands-on work experience within a professional work environment to assist students in acquiring desirable work habits, attitudes and career awareness. Students identify a specific area of focus and develop learning objectives and expected outcomes with the support of the instructor (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Interior Design [ID]

ID 22 HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS I
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Historical relationship between the decorative arts, period furniture, and interior architecture is illustrated in this overview of design heritage from antiquity through the 18th century in Europe. Emphasis is placed on style development as it relates to social, economic, and political influences. Formerly ID 122.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 25 HISTORY OF INTERIOR ARCHITECTURE AND FURNISHINGS II
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Historical relationship between the decorative arts, period furniture and interior architecture is illustrated in this overview of design heritage. Covers the 19th and 20th centuries in Europe and 17th through 20th centuries in America and analyzes the influences as well as changes in design to the present. Emphasis is placed on style development as it relates to social, economic, and political forces. Formerly ID 125.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 110 FUNDAMENTALS OF INTERIOR DESIGN

3.0 Units 3.00 hours Lecture

Transfers: CSU

An introduction to the field of interior design focusing on the impact of built environments on the social, physical, psychological, and aesthetic needs of people. Exploration of design and color theories, space planning, building systems, lighting, furniture, finishes, and accessories, as well as considerations for sustainability, accessibility, and wellness. Integration of design process, creative expression, and consumer information related to living environments and public spaces. This course is designed for interior design majors and all students interested in the field.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 111 INTERIOR DESIGN STUDIO I

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Prerequisite: ID 112

Recommended Preparation: ID 110, ID 133, and completion or concurrent enrollment in ID 115
Designed to apply concepts and theories presented in the lecture course, ID 110 Fundamentals of Interior Design. Emphasis is placed on the design process in developing solutions for design projects.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 112 DRAFTING FOR INTERIORS

2.0 Units 1.00 hour Lecture 4.00 hours Lab

Transfers: CSU

Covers vocabulary, tools, standards, and graphic techniques of architectural drafting. Emphasis is on conveying interior design intent through a set of working drawings including floor plans, elevations, sections, and details.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 114 APPLIED COLOR AND DESIGN THEORY FOR INTERIOR DESIGN

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Basic color and design theory and application. Utilization of tools, materials, and equipment to develop technical skills applicable to interior, architectural, and other related fields of design. Exploration of cultural heritage and psychological implication of design.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 115 CAD FOR INTERIOR DESIGN

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Recommended Preparation: Completion of ID 112
Basic skills, techniques, and uses for computer-aided design and drafting for interior design applications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 116 INTERIOR MATERIALS AND PRODUCTS

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Recommended Preparation: Completion of ID 110, ID 112, and either ID 22 or ID 25
Analysis, application, and evaluation of products and materials used in interior design. Includes interior textiles, furnishings, and finish materials and products.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 118 DIGITAL PRESENTATION FOR INTERIOR DESIGN

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Recommended Preparation: Strongly recommend ID 112, ID 115, and ID 133
Introduction to digital tools and methods for creating interior design presentations through the integration of a variety of visual media to effectively communicate design concepts and solutions. Exploration of digital image manipulation, illustration, rendering, basic three-dimensional modeling, and digital composition techniques using industry-standard software. Students will acquire foundation skills with Adobe Creative Cloud apps as they relate to the preparation of visual content for Interior Design presentations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 121 SPACE PLANNING

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Recommended Preparation: Completion of ID 111, 115, and 118
This studio course focuses on space planning concepts and techniques for residential and commercial projects. Programming methods, human factors, user experience, furniture and finish standards, applicable codes, and barrier-free design will be explored. Emphasis is on creative and functional spatial problem solving, graphic communication and presentation of design solutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 123 INTERIOR DESIGN ILLUSTRATION

3.0 Units 2.00 hours Lecture 3.00 hours Lab

Transfers: CSU

Application of the methods, techniques, and tools used for illustrating interior spaces and products.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 126 INTERIOR DESIGN STUDIO II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: ID 111

Recommended Preparation: Completion of ID 121 and ID 131. Completion or concurrent enrollment in ID 132.
Develop, analyze, and apply design concepts to non-residential interior environments. Universal design, environmentally conscious design, space planning, lighting systems, interior components, architectural elements, and specifications writing will be integrated into research projects emphasizing a problem-solving approach.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 127 FUNDAMENTALS OF LIGHTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ID 110, 112 and 121
A study of lighting theory, light sources, lighting techniques, codes and energy-efficiency issues for interior environments. Emphasis is placed on developing and communicating lighting design solutions for interior applications, including lighting concepts, specifications, schedules, and working drawings for residential and commercial environments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 128 BUSINESS AND PROFESSIONAL PRACTICE FOR INTERIOR DESIGN
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: ID 111
Business and professional management of an Interior Design practice including legal issues, project management, and business practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 129 INTERIOR DESIGN PORTFOLIO
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: Strongly recommend ID 126, ID 118, ID 131, or equivalent coursework
This course assists and mentors advanced interior design students in developing and presenting a professional portfolio package for employment applications. Emphasis is placed on creating a comprehensive portfolio, writing a resume, and practicing interview techniques to prepare for an internship within the Interior Design field.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 131 DIGITAL VISUALIZATION FOR INTERIOR DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: Completion of ID 115 and ID 118 is strongly recommended.
Methods, techniques, and tools for creating digital 3D models, interior architectural drawings, rendered illustrations, and visual presentations by utilizing a variety of software programs and technologies to effectively communicate design concepts and solutions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 132 INTERIOR BUILDING SYSTEMS AND CODES
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: Completion of ID 110 and ID 112
Explores components of interior construction and building systems and examines building codes and standards that impact the planning of residential and commercial interior environments. Special attention given to requirements concerning life safety issues, barrier-free access, sustainable principles, and WELL building standards in interior design applications. Emphasis on understanding the role of building systems and codes in the design process.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 133 SKETCHING AND RENDERING FOR INTERIOR DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Methods, techniques, and tools used in illustrating interior spaces with an emphasis on quick freehand sketches in various media. Students learn to communicate design ideas using sketching, rapid visualization, composition, and simplified methods of one- and two-point perspective drawings. Color rendering techniques are introduced.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 134 ADVANCED CAD FOR INTERIOR DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: ID 115 or Consent of the instructor

Develops proficiency and skills in advanced 2D computer-aided design and drafting, manipulation of 3D models, and production of working sets of construction documents for Interior Design applications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 136 REVIT FOR INTERIOR DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: ID 112 or Consent of the instructor
Recommended Preparation: ID 115 or ID 131
Introduction to 3D modeling and visualization for interior design projects using the concepts and tools of Revit, the Building Information Modeling (BIM) software. Emphasis is placed on the creation of drawing sets, renderings, and schedules to industry standards. This course is intended for interior design majors and for practicing professionals.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 180WE INTERIOR DESIGN WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Prerequisite: ID 129
Provides supervised on-the-job experience at an interior design-related worksite that complements and reinforces classroom-based learning. Typically taken in the final year of the program. The worksite must be approved by the instructor prior to enrollment. (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

ID 210 HOSPITALITY DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: Completion of ID 115, 121 and 131
Analysis and application of the design process to planning hospitality spaces, including research, programming, concept development, spatial layout, furnishings, materials specification, lighting, application of codes, sustainable and WELL standards, and project documentation and presentation. Design solutions to hospitality will be developed in the studio.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 214 BATH DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: Completion of ID 115, 121 and 131
Analysis and application of the design process to space planning, material and finish selection, code compliance, and specification of cabinetry, fixtures, and specialized equipment unique to bath spaces. Design solutions for residential baths following National Kitchen and Bath Association (NKBA) standards will be developed in the studio. Field trips may be required to meet course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ID 215 KITCHEN DESIGN
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: Completion of ID 115, 121 and 131
Analysis and application of the design process to space planning, material and finish selection, code compliance, and specification of cabinetry, fixtures, and specialized equipment unique to kitchen spaces. Design solutions for residential kitchens following National Kitchen and Bath Association (NKBA) standards will be developed in the studio. Field trips may be required to meet course objectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Italian [ITA]

ITA 1 ELEMENTARY ITALIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: College level reading ability
Designed to develop the fundamentals of communicative competence in colloquial Italian. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Italian.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ITA 2 ELEMENTARY ITALIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: ITA 1 or two years of high school Italian
Designed to further the fundamentals of communicative competence in daily spoken Italian. Although the focus remains on listening comprehension and speaking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

ITA 21 INTRODUCTION TO ITALIAN CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to provide a brief overview in English of the Italian culture. Areas of study include history, music, literature, philosophy, political ideas, customs and Italy's influence on and contribution to the civilization of the United States and the world. No prior study of the Italian language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Japanese [JA]

JA 1 ELEMENTARY JAPANESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College level reading ability
Designed to develop the fundamentals of communicative competence in daily spoken Japanese. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Japanese.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JA 2 ELEMENTARY JAPANESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: JA 1or two years of high school Japanese

Designed to further the fundamentals of communicative competence in daily spoken Japanese. Although the focus remains on oral skills and aural comprehension, reading and writing skills will be expanded with introduction of 100 Kanji (Chinese Characters) in addition to Kana, which was already mastered by the students in previous course(s). Cultural topics will also be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JA 3 INTERMEDIATE JAPANESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: JA 2 or three years of high school Japanese

Intermediate level course focuses on fluency in reading, writing, speaking, and listening. Continues the study of Japanese cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JA 4 INTERMEDIATE JAPANESE
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: JA 3 or four years of high school Japanese

Emphasizes fluency in speaking, reading, writing, and comprehension of Japanese. Includes selected reading and discussions from the basic four genres in Japanese and Japanese-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JA 21 INTRODUCTION TO JAPANESE CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to provide a brief overview in English of the Japanese culture. Areas of study include geography, history, literature, art, philosophy, religion, and customs of the Japanese people. No prior study of the Japanese language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Journalism [JRN]

JRN 1 MASS MEDIA AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of mass media and media technology as they apply to society. Includes a study of media functions, responsibilities, practices, and influences, as well as a study of media law, ethics, history, development, and potential for the future. The course is designed to increase student awareness of the impact of mass media in shaping society. Also listed as CTVR 1, JRN 1H, and CTVR 1H. Credit may be earned for only one course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 100

JRN 1H HONORS MASS MEDIA AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of mass media and media technology as they apply to society. Includes a study of media functions, responsibilities, practices, and influences, as well as a study of media law, ethics, history, development, and potential for the future. The course is designed to increase student awareness of the impact of mass media in shaping society. Also listed as JRN 1, CTVR 1, and CTVR 1H. Credit may be earned for only one course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JRN 2 NEWS WRITING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizes news writing and reporting, methods of news gathering, organization and writing of articles. Includes the interpretation of significant news events and studies techniques of in-depth reporting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 110

JRN 106 NEWS AND FEATURE VIDEO PRODUCTION
3.0 Units 2.50 hours Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: JRN 2 and CTVR 101
This course emphasizes video and broadcast skills, with a focus on video production, writing, and interviewing for a news magazine show. Students gain hands-on experience in shooting, editing, and producing digital content for news, sports, entertainment, and community events while mastering visual storytelling techniques. The course includes work in a professional, on-campus TV studio, where students can host on air, operate in a control room, or serve in production management roles to create a student-run show that airs on Cox cable. Students will enhance their online research and reporting skills, while exploring ethical aspects of multimedia production to prepare for success in the digital media industry. Also listed as CTVR 106. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 120

JRN 111 NEWS MEDIA PRODUCTION
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ENGL C1000, ENGL C1000H, or JRN 2
Those enrolled in this course participate in the student newspaper and website, the Lariat, as staff members. The course provides practical instruction in interviewing, reporting and editing for print and online publications as required to produce the campus news publications, including print and digital publications as well as emerging platforms. Aspects of interviewing, computer assisted reporting, copy editing, headline writing, photo editing and Associated Press (AP) Style are explored.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 130

JRN 112 DIGITAL REPORTING
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ENGL C1000, ENGL C1000H, or JRN 2
Those enrolled in this course participate in the student newspaper and website, the Lariat, as staff members. The course provides practical instruction on news media production, digital reporting, and social media. Students will produce stories for online platforms and utilize popular and emerging social media tools as part of the student online campus publications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: JOUR 130

JRN 125 MAGAZINE PRODUCTION
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: ENGL C1000 or ENGL C1000H or JRN 105 or ENG 3
In this course, students will create and manage a student-run magazine, producing original articles, photography, and page layouts. Acting as the staff for Orange Appeal, students will oversee each issue from concept to distribution around campus. Through hands-on experience, they will engage in key magazine practices, including feature writing, narrative storytelling, photo shoots, and full-color print design.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

JRN 180WE JOURNALISM WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Provides supervised work experience extending classroom-based occupational learning at an on-the-job learning station relating to the student's occupational goal; employment related to journalism and the media industry. Student, instructor, and employer will cooperatively develop a minimum of three learning objectives (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Kinesiology [KNES]

KNES 1 CARDIOVASCULAR CONDITIONING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

A multifaceted approach to cardiovascular fitness using aerobic and anaerobic conditioning as a way of developing and maintaining health. Access to treadmills, recumbant bikes, elliptical. Students are limited to a combined total of four enrollments in KNES 1, 3, 7, 50, and DANC 77.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 2 STRENGTH TRAINING
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Focuses on improving strength through individualized training programs. Suited for men and women interested in improving strength, power, and athletic performance. Includes physiology of strength training; equipment and safety considerations; sport specific training; program design for power, strength, and techniques of lifting; and nutrition for optimal performance. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 3 CIRCUIT WEIGHT TRAINING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Calisthenics and resistance training by rotation of exercises to optimize aerobic and anaerobic conditioning. Students are limited to a combined total of four enrollments in KNES 1, 3, 7, 50, and DANC 77.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 4 BEGINNING WEIGHT LIFTING
1.0-2.0 Units 0.50-1.00 hours Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Basic skills and methods used in weight lifting. Free weights and machines will be used to develop lean muscle and decrease body fat. Individual workout program on resistance exercise equipment. Students are limited to a combined total of four enrollments in KNES 4, 5, and 6.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 5 INTERMEDIATE WEIGHT LIFTING
1.0-2.0 Units 0.50-1.00 hours Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 4
Training principles and theories in weight lifting for students interested in sports activities and competition. Emphasis on resistance machines, free weights, and additional equipment such as medicine balls and kettle bells. Students are limited to a combined total of four enrollments in KNES 4, 5, and 6.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 6 ADVANCED WEIGHT LIFTING
1.0-2.0 Units 0.50-1.00 hours Lecture 1.50-3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 5
Advanced instruction and sport specific practice in the techniques of developing muscle strength and endurance for maximizing performance. Power lifting, resistance machines, free weights, and additional equipment will be utilized. Advanced training, principles, and theories. Students are limited to a combined total of four enrollments in KNES 4, 5, and 6.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 7 STEP TRAINING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Aerobic development through coordinated stepping movements. Suitable for beginning through conditioned athletes. Students are limited to a combined total of four enrollments in KNES 1, 3, 7, 50, and DANC 77.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 8 BEGINNING CARDIO KICKBOXING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Introduces the student to basic knowledge and skills in cardio kickboxing. Provides students with a safe and effective cardiovascular workout that utilizes basic skills from sports, kickboxing, and self-defense, combined with constant aerobic movement. Emphasis is placed on beginning level combinations. Students are limited to a combined total of four enrollments in KNES 8 and 16.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 10 CROSS TRAINING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Develops aerobic fitness by concurrently training in two or more dynamic endurance activities such as (walking, jogging, hiking, stationary biking or stepping) combined with anaerobic exercise (strength training and short exertion, high intensity movement). Multi-use aerobic activities plus anaerobic exercises to produce a cross training effect. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 11 BEGINNING FLAG FOOTBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduces students to the foundational skills and knowledge associated with flag football. Students will learn the rules of the sport and basic strategies of the game. Students are limited to a combined total of four enrollments in KNES 11, 12, 13, and 80.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 12 INTERMEDIATE FLAG FOOTBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 11
Students will progress in their flag football knowledge and skills. Emphasis will be on improving upon foundational skills and applying intermediate-level strategies during a game. Students will also be taught how to use sport-specific training modalities to improve their technique and performance. Students are limited to a combined total of four enrollments in KNES 11, 12, 13, and 80.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 13 ADVANCED FLAG FOOTBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 12
Introduces students to advanced techniques and concepts of Flag Football. Emphasis will be on progressing to an advanced-level of skill competency and applying advanced-level strategies during a game. Students will execute sport-specific training modalities for optimal skill progression and fitness performance. Students are limited to a combined total of four enrollments in KNES 11, 12, 13, and 80.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 15 INTERMEDIATE CYCLING AND SPINNING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 19
Designed to increase the student's knowledge and skills in cycling/spinning. Emphasis on intermediate level cycling techniques including standing climbs, jumps, and sprints, used to improve muscular endurance and cardiovascular fitness. Students are limited to a combined total of four enrollments in KNES 15 and 19.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 16 INTERMEDIATE CARDIO KICKBOXING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 8
Designed to increase the student's knowledge and skills in cardio kickboxing. Provides students with a safe and effective cardiovascular and muscular endurance workout that utilizes skills from sports, kickboxing, and self-defense, combined with constant aerobic movement. Emphasis is placed on intermediate level combinations and muscular endurance training exercises. Students are limited to a combined total of four enrollments in KNES 8 and 16.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 17 BEGINNING BOWLING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduction of bowling rules, strategy, etiquette and skills. Basic stance, approach, release and delivery. Participation in a league bowling situation. Students are limited to a combined total of four enrollments in KNES 17 and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 18 INTERMEDIATE BOWLING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 17
Intermediate techniques, skills, and strategies of bowling. Participate in bowling league situations. Educational experience by supervised repetition and practice to develop skills. Students are limited to a combined total of four enrollments in KNES 17 and 18.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 19 BEGINNING CYCLING AND SPINNING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduces the student to basic knowledge and skills in cycling/spinning. Develops an appreciation of cycling/spinning as a lifetime sport and means of developing and maintaining muscular endurance and cardiovascular fitness. Students are limited to a combined total of four enrollments in KNES 15 and 19.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 20 BEGINNING GOLF I
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Beginning fundamentals of golf skills including rules, etiquette, and terminology. Students are limited to a combined total of four enrollments in KNES 20, 21, 22, and 23.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 21 BEGINNING GOLF II
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 20
Progression of beginning skills, strategy, and individual stroke analysis. Refinement of beginning game. Students are limited to a combined total of four enrollments in KNES 20, 21, 22, and 23.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 22 INTERMEDIATE GOLF
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 21
Techniques of various strategic golf shots to increase overall success in the game. Students provide golf clubs. Students are limited to a combined total of four enrollments in KNES 20, 21, 22, and 23.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 23 ADVANCED GOLF
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 22
Fundamental errors in golf analyzed and match play arranged by ability or handicaps. Students provide golf clubs and furnish their own transportation to the golf course. Students are limited to a combined total of four enrollments in KNES 20, 21, 22, and 23.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 24 BEGINNING TENNIS I
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Learn basic strokes for playing singles and doubles games. Students provide racquet and can of tennis balls. Students are limited to a combined total of four enrollments in KNES 24, 25, 26, and 27.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 25 BEGINNING TENNIS II
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 24
Instruction refining tennis skills and game strategy. Students provide racquet and can of tennis balls. Students are limited to a combined total of four enrollments in KNES 24, 25, 26, and 27.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 26 INTERMEDIATE TENNIS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 25
Tennis stroke analysis, singles and doubles play, strategy and match play. Students provide racquet and can of tennis balls. Students are limited to a combined total of four enrollments in KNES 24, 25, 26, and 27.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 27 ADVANCED TENNIS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 26
Advanced tennis techniques, playing strategy, and match play, singles, doubles and mixed doubles. Students must provide own racquet and can of tennis balls. Students are limited to a combined total of four enrollments in KNES 24, 25, 26, and 27.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 28 BEGINNING YOGA
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Gentle yoga exercises focus on postural alignment, balance, joint flexibility, and muscle toning. Includes breathing techniques for stress reduction, calmness, and clarity. Students are limited to a combined total of four enrollments in KNES 28, 39, 40, and DANC 28.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 31 MUSCLE TONING FOR WOMEN
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Introduction to the principles of muscle toning and resistance training. Development of individual programs for muscle endurance and strength using free weights and machines. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 32 SPORTS AND FILM
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Designed to explore the dynamic relationship between sports and film through an artistic lens, examining how historical, political, cultural, psychological and other dimensions of sport and movement are portrayed in featured films. Students will explore film theory, critisism, elements, cinematic techniques, and aesthetics to engage in critical analysis of selected sports films from various genres and time periods. Students will make connections between the arts and social and cultural issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 33 BEGINNING SURFING I
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Must pass swim test
Introduces students to the history and globalization of surfing, fundamental principles of surfboard design, and equipment options. Students will learn basic knowledge related to ocean safety, surf conditions, and surfing etiquette. An emphasis will be placed on beginning-level surfing skills and techniques. Students are limited to a combined total of four enrollments in KNES 33, 34, 35, and 36.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 34 BEGINNING SURFING II - SHORTBOARDING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Must pass swim test
Recommended Preparation: KNES 33
Secondary level surf class for experienced surfers with the knowledge and skills to become confident and competent in their surfing ability on a shorter surfboard in faster, steeper, waves. Basic ocean safety and first aid, surfing etiquette, negotiating big sets, paddling and dropping in to faster, steeper waves, and learning to maneuver a shortboard. Students must provide their own equipment. Students are limited to a combined total of four enrollments in KNES 33, 34, 35, and 36.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 35 INTERMEDIATE SURFING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Must pass swim test
Recommended Preparation: KNES 34
For the surfer who can negotiate waves and do basic turns on a consistent basis. Ocean knowledge such as currents, wave development, wind pattern, and ocean floor terrain. Short and longboard maneuvers as: Duck dive, cutback, "off the lip," roundhouse, sideslip, crossover, and walk to nose. Students provide own equipment. Students are limited to a combined total of four enrollments in KNES 33, 34, 35, and 36.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 36 ADVANCED SURFING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Must pass swim test
Recommended Preparation: KNES 35
For the advanced surfer interested in extreme maneuvers and competing at the collegiate level. Students provide own equipment. Students are limited to a combined total of four enrollments in KNES 33, 34, 35, and 36.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 38 INTERMEDIATE MAT PILATES
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 65
Intermediate progression of mat exercises emphasizing the principles of Joseph Pilates. Improvement of back strength, flexibility, and postural alignment by integration of physical and mental aspects of movement. Proper breathing techniques are emphasized. Students are limited to a combined total of four enrollments in KNES 9, KNES/DANC 38, DANC 63, and KNES/DANC 65.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 39 INTERMEDIATE YOGA
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 28
Intermediate level course exploring and integrating the principles and practice of yoga. Emphasis is on postural work and vinyasa (flow) for improved body alignment, flexibility, balance, physical endurance, and muscle tone. Breathing techniques are integrated to enhance the mind-body connection, increase oxygen intake, and reduce stress. Students are limited to a combined total of four enrollments in KNES 28, 39, 40, and DANC 28.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 40 ADVANCED YOGA
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 28
Blending the principles and practices of advanced yoga techniques for total body fitness. Practice will include yoga for flexibility and body balance, focusing on strength and cardiovascular training, and Pilates techniques to increase concentration and core stabilization. Students are limited to a combined total of four enrollments in KNES 28, 39, 40, and DANC 28.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 41 SWIMMING FOR NONSWIMMERS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

A beginning course in the instruction and practice of the fundamental elements of swimming, diving, and safety skills. Students are limited to a combined total of four enrollments in KNES 41, 42, 43, 44, and 49.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 42 INTERMEDIATE SWIMMING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 41
Intermediate stroke techniques between beginner and advanced swimmer. Instruction in crawl stroke, breaststroke, side stroke, back crawl and elementary backstroke, treading, and safety skills. Students are limited to a combined total of four enrollments in KNES 41, 42, 43, 44, and 49.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 43 ADVANCED SWIMMING AND DIVING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 42
Techniques for advanced swimming and diving skills. Safety in regard to lifesaving and elementary forms of rescue. Field trips may be required. Students are limited to a combined total of four enrollments in KNES 41, 42, 43, 44, and 49.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 44 AQUATIC CONDITIONING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: Basic swimming ability
Swimming and water exercises to develop and maintain physical fitness. Emphasis will be placed on endurance training for improved cardiovascular fitness. Students are limited to a combined total of four enrollments in KNES 41, 42, 43, 44, and 49.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 46 SPORTS AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Examines the role of sport in historical and modern societies. This course investigates the social, political, and economic influences of sport as well as the impact of various gender, ethnic, and cultural groups on sport. While this course places an emphasis on the effects in US society, students will explore how sport influences and shapes attitudes among various societies worldwide.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 49 AQUA AEROBICS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Instruction and practice in water aerobics exercise. Water resistance exercises for toning, trimming and firming skeletal muscles. Students are limited to a combined total of four enrollments in KNES 41, 42, 43, 44, and 49.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 50 AEROBIC DANCE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Fitness course utilizing aerobic dance combinations and exercises performed to a variety of musical genres. Students are limited to a combined total of four enrollments in KNES 1, 3, 7, 50, and DANC 77.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 51 INTRODUCTION TO KINESIOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introductory course to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: KIN 100

KNES 52 FUNDAMENTALS OF HUMAN MOVEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Basic scientific principles of human movement related to various forms of sport and exercise. Fundamentals of anatomy, exercise physiology, biomechanics, and motor control. Analyses of movements involved in various activities will be performed.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 53 INTRODUCTION TO ATHLETIC TRAINING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the field of athletic training. Emphasis on prevention and care of injuries, evaluation of injuries, first aid and emergency care, and rehabilitation and reconditioning.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 54 PRINCIPLES AND FUNDAMENTALS OF COACHING

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: KNES 53
A comprehensive introduction to the coaching profession. Emphasis is placed on coaching at the high school, elite club level, and includes youth, recreational, and intercollegiate sport programs. The primary goal is to develop and enhance student's knowledge and understanding of concepts and techniques of coaching.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 56 PRACTICUM IN ATHLETIC TRAINING - FALL SPORTS

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 53
Exposure to sports injuries unique to Fall intercollegiate athletics. Emphasis on recognition, rehabilitation and taping techniques to enable athletes to return to competition. Students will receive hands on experience and will be able to apply various techniques in the treatment of athletic injuries. Students are limited to a combined total of four enrollments in KNES 56 and 59.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 57 PEP SQUAD I

1.5 Units 4.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Competitive audition required
Recommended Preparation: Previously competed on high school, community college, or 4-year college cheer or song team
Instruction, practice, and performing at college athletic events. Song and cheer technique development for routines in competition and at games. Choreography and formation development. Includes performing at special events. Students are limited to a combined total of four enrollments in KNES 57 and 58.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 58 PEP SQUAD II

1.5 Units 4.50 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Competitive audition required
Recommended Preparation: KNES 57
Advanced instruction, practice, and performing at college athletic events. Song and cheer technique development for routines in camp competition and at games. Choreography and formation development. Includes performing at special events. Students are limited to a combined total of four enrollments in KNES 57 and 58.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 59 PRACTICUM IN ATHLETIC TRAINING -SPRING SPORTS

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 56
Exposure to sports injuries unique to Spring intercollegiate athletics. Emphasis on recognition, rehabilitation, and taping techniques to enable athletes to return to competition. Students will receive hands on experience and be able to apply various techniques in the care and prevention of athletic injuries. Students are limited to a combined total of four enrollments in KNES 56 and 59.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 60 ANATOMY AND FUNDAMENTALS OF YOGA

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: KNES 28
An introduction to the core principles of Hatha Yoga, study of anatomical structures of body movements, and teaching techniques. Includes experiential application of the asanas.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 61 TEACHING OF YOGA

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: KNES 28
Teaching techniques of yoga. Emphasis on variations, adjustments and modifications of basic yoga poses for teaching different levels in various settings. Focus on developing skills for instructing yoga, including verbal cueing, anatomically supportive sequences, and stress management techniques for healthier lifestyles.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 62 PHILOSOPHY OF YOGA

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the philosophy of yoga through history, development of the asanas, and traditional texts. Major lineages of yoga and related practices will be covered, with a focus on the integration of these ideas in contemporary teaching.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 63 BEGINNING ROCK CLIMBING

1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Fundamentals of rock climbing with emphasis on the technical principles of climbing, proper equipment, rope use and knot-tying. Course will also cover environmental concerns with a strong emphasis placed on safety. Students are limited to a combined total of four enrollments in KNES 63, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 65 INTRODUCTION TO MAT PILATES
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Fundamentals of mat exercise emphasizing the principles of Joseph Pilates. Exercises to improve abdominal and back strength, flexibility, and postural alignment. Pilates involves integrating the physical and mental aspects of movement to correct imbalances in the body. Enhancement in any movement-based program, such as dance, sports, or exercise programs. Proper breathing techniques are emphasized. Students are limited to a combined total of four enrollments in KNES 9, KNES/DANC 38, DANC 63, and KNES/DANC 65.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 66 CORE TRAINING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Training for core strength, coordination, balance, quickness, and agility. Resistance tubes, fitness balls, and medicine balls used to maximize training for muscle enhancement to maximize performance. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 68 WALKING FOR FITNESS
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: Students should be able to complete a 1.0 mile walk within 20 minutes.
Basic concepts and techniques of walking for fitness, with a progressive training program for students of all ages and skill levels. Course may include off campus walks. Students are limited to a combined total of four enrollments in KNES 68, 69, and 86.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 69 TRAIL HIKING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: Students should be able to complete a 1.0 mile walk within 20 minutes.
Introduction to hiking on trails, safety concerns, etiquette, and hiking essentials to achieve lifelong fitness outdoors. Exploration of scenic trails including the coast, canyons, parks, hills, and open space areas. Trails are off-campus and students must provide their own transportation. Students are limited to a combined total of four enrollments in KNES 68, 69, and 86.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 70 BASKETBALL
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Instruction and practice in basic basketball fundamentals. Development of various methods of individual and team play. Students are limited to a combined total of four enrollments in KNES 70 and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 71 ADVANCED BASKETBALL
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 70
Advanced basketball instruction for those who have competed on an intercollegiate team or its equivalent. Offensive and defensive skills as well as advanced strategies will be stressed. Recommended for kinesiology majors and those interested in intercollegiate competition. Students are limited to a combined total of four enrollments in KNES 70 and 71.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 72 BEGINNING SOCCER
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Basic fundamentals of individual play such as dribbling, heading, shooting, trapping, passing, defensive tactics, and knowledge of rules. Students are limited to a combined total of four enrollments in KNES 72, 73, and 175.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 73 ADVANCED SOCCER
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 72
Advanced fundamentals of individual play such as dribbling, heading, shooting, trapping, passing, receiving, and defensive tactics, and knowledge of rules. Students are limited to a combined total of four enrollments in KNES 72, 73, and 175.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 76 BEGINNING VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduction to the basic skills of volleyball. Rules, strategy, skill practice, and class competition are included. Course is orientated to the beginning volleyball student. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 77 INTERMEDIATE VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 76
Intermediate skills and strategies of volleyball. Rules and skill practice in passing, setting, hitting, serving, blocking are included. Intermediate offense and defense systems of play. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 78 ADVANCED VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 77
Advanced skills course for playing competitive volleyball. Volleyball techniques, fast offense, court positioning, rolls, dives, and team strategy, both offensive and defensive. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 79 ADVANCED BASEBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: Participation on interscholastic team
Advanced baseball skills, techniques, and training for those who have competed on an interscholastic team or equivalent. Advanced strategies of offense and defense. Recommended for kinesiology majors and those interested in intercollegiate competition. Students are limited to a combined total of four enrollments in KNES 79 and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 81 BEGINNING BEACH VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Introduction to beach volleyball. Rules, strategy, skill practice, and class competition are included. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 84 INTERMEDIATE BEACH VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 81
Intermediate level course with progressive skill development in beach volleyball. Competitive games played using offensive and defensive strategies, tactics, and techniques. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 85 ADVANCED BEACH VOLLEYBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 81
Advanced beach volleyball techniques and strategies with class competition. A progressive skill building class with emphasis on offensive and defensive strategies. Students arrange their own transportation to beach volleyball sites. Students are limited to a combined total of four enrollments in KNES 76, 77, 78, 81, 84, and 85.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 86 BACKPACKING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Principles and methods for safe and responsible skills in backpacking. Includes how to prepare a pack efficiently, trail etiquette, and risks associated with outdoor terrain and weather. Day backpacking at a local county park, an overnite backpacking trip, and an extended weekend experience in one of the National Parks or wilderness areas. Students are limited to a combined total of four enrollments in KNES 68, 69, and 86.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 88 INTERMEDIATE ROCK CLIMBING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 63
Intermediate skills of rock climbing with emphasis on the technical principles of bouldering, lead climbing, and top ropes. Students are limited to a combined total of four enrollments in KNES 63, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 89 ADVANCED ROCK CLIMBING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 88
Rock climbing with emphasis on the advanced principles and techniques for climbing any grade and different routes. Students are limited to a combined total of four enrollments in KNES 63, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 90 BEGINNING SELF-DEFENSE
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Techniques of basic self-defense recommended for both men and women. Students are limited to a combined total of four enrollments in KNES 90, 91, 93, 97, and 199.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 91 INTERMEDIATE SELF DEFENSE

1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU, UC

Recommended Preparation: KNES 90
Provides intermediate instruction on how to effectively protect oneself by applying various self defense principles while emphasizing physical conditioning and personal confidence. Students are limited to a combined total of four enrollments in KNES 90, 91, 93, 97, and 199.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 104 YOGA TRAINING STRESS MANAGEMENT AND MEDITATION

1.0 Unit 1.00 hour Lecture
Transfers: CSU

Explores multiple techniques for guided meditation, with a focus on stress reduction. Techniques will be oriented towards working with both general and specialized populations, and will include basic psychology and physiology. Emphasis will be on integrating theories and principles into the practice and teaching of yoga. Hours can be applied toward Yoga Alliance continuing education requirements for yoga instructors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 105 MENTAL SKILLS FOR SPORTS PERFORMANCE

3.0 Units 3.00 hours Lecture
Transfers: CSU

Psychological theories and research related to sport and exercise behavior. Introduces the field of sport and exercise psychology by providing a broad overview of the major topics in the area. An applied course with an emphasis on improving performance for athletes and individuals that pursue physical activity.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 107 FITNESS ASSESSMENT AND SURVEY

1.0 Unit 1.00 hour Lecture
Transfers: CSU

Testing and assessment of fitness components, skill-related fitness, and aquatic ability. Information on nutrition, stress, weight management, and development of a personal program for lifetime fitness.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 110 THEORY AND TECHNIQUES OF PERSONAL TRAINING

3.0 Units 3.00 hours Lecture
Transfers: CSU

A comprehensive course introducing students to the theories, concepts, and techniques involved in various fitness, health, and wellness training programs. This course emphasizes integrative training techniques specifically focused on cardiovascular fitness, resistance training, and functional programming. Additional topics include psychological and social behaviors, connection between the mind and body, nutrition, disease prevention, and injury care. Students will be required to design a personal fitness, health, and wellness program. Course prepares students to further their certification with the American Council of Exercise (ACE). Recommended to be taken concurrently with KNES 112. (formerly KNES 210)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 112 THE PROFESSION OF PERSONAL TRAINING

2.0 Units 2.00 hours Lecture
Transfers: CSU

This course introduces students to the profession of personal training. It covers such topics as, scope of practice, business fundamentals, professional responsibilities, and legal guidelines. Students will learn how to build rapport and communicate with clients. Off-campus trips may be required. Course prepares students to further their certification with the American Council of Exercise (ACE) exam. Recommended to be taken concurrently with KNES 110. (formerly KNES 212)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 121 COMPLEMENTARY AND ALTERNATIVE HEALTH PRACTICES

3.0 Units 3.00 hours Lecture
Transfers: CSU

Explores a variety of complementary and alternative health practices originating from various cultures around the world. Students will be introduced to the historical backgrounds and philosophies, examine the associated research, benefits, precautions, and practical techniques, as well as investigate potential occupational opportunities. Students will also analyze how individuals and professionals in the fitness and wellness fields may benefit from such knowledge, techniques, and practices.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 130 BEGINNING TRIATHLON TRAINING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: Competency in basic freestyle swimming
Designed for students looking to start or improve their foundational training for triathlons. This course will provide triathlon-based fitness programming for swimming, biking, running, and strength training. Focus is on short to middle distance triathlons and students will work closely with the instructor to individualize their programming dependent on fitness levels and goals. The course is open to all fitness levels, although basic freestyle swimming ability is highly recommended. Race nutrition will also be covered in this course. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 131 INTERMEDIATE TRIATHLON TRAINING
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: KNES 130 or competency in basic freestyle swimming
Designed for students looking to advance in their training for triathlons. This course will provide intermediate-level triathlon-based fitness programming for swimming, biking, running, and strength training. Focus is on short to middle distance triathlons and students will work closely with the instructor to individualize their programming dependent on current fitness levels and goals. Students should have an established level of technique in swim, bike, run, and strength training. Race nutrition will also be covered in this course. Students are limited to a combined total of four enrollments in KNES 2, 10, 31, 66, 130, and 131.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 148 INTRODUCTION TO SPORTS ADMINISTRATION
3.0 Units 3.00 hours Lecture
Transfers: CSU

This course introduces students to the essential components of sports administration, emphasizing the knowledge and skills required to manage sports organizations, teams, personnel, and events at various levels. Students will examine key areas including management and leadership strategies, event and facility operations, sports marketing, financial planning, legal and ethical issues, as well as the role of media and public relations in sports. The course also addresses socio-cultural influences, current trends, and challenges in the sports industry.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 175 FUTSAL-INDOOR SOCCER
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Futsal/Indoor Soccer is a fast paced soccer game played 5v5 on hard court, grass and indoor surfaces. Designed for students with beginning Indoor Soccer/Futsal ability. Students will improve skills through the application of rules, theory, and study. Students will improve flexibility and endurance by participating in beginning Futsal/Indoor Soccer scrimmages and games. Students are limited to a combined total of four enrollments in KNES 72, 73, and 175.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 177 SPORTS OFFICIATING
2.0 Units 2.00 hours Lecture
Transfers: CSU

Introduction to contest rules and the mechanics of officiating selected sports. Sport culture, rules, sportsmanship, and officiating guidelines.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 187 BEGINNING PICKLEBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Pickleball is a court game that combines skills from tennis, ping pong, and badminton. This is a popular, fast-paced game played with a plastic "pickleball" and a composite paddle. Students are limited to a combined total of four enrollments in KNES 187, 188, and 190.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 188 INTERMEDIATE PICKLEBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: KNES 187
Designed to refine fundamental pickleball skills while advancing in additional shots and strategies. Students will improve upon their serves, placement and use of intermediate-level shots, communication in doubles, and reduce number of unforced errors. Students are limited to a combined total of four enrollments in KNES 187, 188, and 190.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 190 ADVANCED PICKLEBALL
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Recommended Preparation: KNES 188
Designed for students to progress to an advanced level of pickleball skills and strategies. Students will master serves, learn to use advanced shots, enhance competitive play by consistently varying shots, and minimize unforced errors. This course provides students with the opportunity to improve footwork, quickness of hands, and ability to move well with a partner in doubles. Students are limited to a combined total of four enrollments in KNES 187, 188, and 190.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 199 STREET MARTIAL ARTS
1.0 Unit 0.50 hour Lecture 1.50 hours Lab
Transfers: CSU

Practical application of martial arts techniques used to protect oneself in realistic physical confrontations and situations. Students are limited to a combined total of four enrollments in KNES 90, 91, 93, 97, and 199.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 207 TRAINING AND THEORY OF THE YOGIC ENERGY SYSTEM
1.0 Unit 1.00 hour Lecture

Introduces students to the body's subtle energy system and further explores the 7 basic chakras (energy centers) within the body. This course will analyze ancient and modern techniques to awaken and balance this yogic energy system for life long health. Emphasis will be on integrating theories and techniques into the practice, and teaching, of yoga. Hours can be applied toward Yoga Alliance continuing education requirements for yoga instructors (formerly KNES 404; formerly KNES 204).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 220 HOLISTIC HEALTH - UNDERLYING MECHANISMS
3.0 Units 3.00 hours Lecture

Designed to introduce students to foundational anatomical structures, basic principles of physiology, and behavioral connections through a holistic perspective. Emphasis will be placed on analyzing the systems of the body and use of holistic techniques for achieving and maintaining optimal health. Students will explore an integrative approach to the underlying mechanisms of performance and well being while promoting positive lifestyle changes. This course does not satisfy any Biology or Nursing program prerequisites.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 222 INTRODUCTION TO AYURVEDA
3.0 Units 3.00 hours Lecture

Deemed the “Sister Science of Yoga,” and translated as the “Science of Living,” Ayurveda is a holistic healthcare system that has been practiced for over 5000 years. This course provides an overview of Ayurveda's historical roots, globalization, and modernization while introducing students to the foundational principles and key practices. Emphasis will be on the use of an ayurvedic approach to examine how nutrition, exercise, and lifestyle choices, as well as behavior, social, and environmental interactions, play a role in one's overall health, performance, and well-being. This course will also investigate how ayurveda can be integrated into various fitness and wellness professions.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 402 MYTHOLOGY OF YOGA
1.0 Unit 1.00 hour Lecture

Explores Hindu and Buddhist mythology as it relates to traditional and contemporary yoga practices, with a focus on the role of deities in ritual, asana and meditation practice. Emphasis will be on integrating stories, theories and principles into the practice and teaching of yoga (including mantras and mudras). Hours can be applied toward Yoga Alliance continuing education requirements for yoga instructors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 403 TRAINING AND THEORY FOR RESTORATIVE YOGA
1.0 Unit 1.00 hour Lecture

Restorative yoga blends the use of postural alignment, props, and relaxation techniques to promote optimal health and wellness. Students will explore the effects and benefits on various systems of the body. Emphasis will be on integrating theories and principles into the practice and teaching of restorative yoga. Hours can be applied toward Yoga Alliance continuing education requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNES 405 EXPLORING THE YOGA SUTRAS
1.0 Unit 1.00 hour Lecture

Examination of the Yoga Sutras of Patanjali. The Sutras provide essential underpinning for modern practices of yoga, and explores key philosophical concepts. In this course, students will develop their understanding of the Sutras through self-reflective assignments and translations of key terms, focusing on both historical and contemporary applications. Eligible for Yoga Alliance continuing education credit.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Kinesiology - Adapted [KNEA]

KNEA 1 ADAPTED STRENGTH TRAINING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Fitness class stressing strength, resistance training, and endurance exercises individualized to meet goals, precautions, and contraindications related to student's ability. Designed for students that have participated in physical therapy, have chronic pain or permanent disability.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 3 ADAPTED CARDIOVASCULAR CONDITIONING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Fitness class stressing aerobic conditioning and cardiovascular fitness activities individualized to meet goals, precautions, and contraindications related to student's ability. Designed for students that have participated in physical therapy, have a chronic medical diagnosis, or permanent disability.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 4 ADAPTED STRETCHING AND CORE TRAINING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Fitness class stressing flexibility and core strengthening exercises individualized to meet goals, precautions and contraindications related to student's ability. Designed for students that have participated in physical therapy, have chronic pain or permanent disability.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 5 ADAPTED SWIMMING
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Consists of swimming and modified swim techniques to improve strength, flexibility and cardiovascular condition. Designed for those that have participated in therapy, rehabilitation, have chronic medical diagnosis, or any cognitive, behavioral, and/or physical disabilities. Adaptive equipment may include flotation devices such as AquaJoggers, pull buoys, and velcro straps. Teaching methods are adapted to meet individualized needs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 6 ADAPTED SPORTS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Introduction to sports including basketball, soccer, floor hockey, softball, bocce ball, and dodgeball. Designed for individuals with any cognitive, behavioral, and/or physical disabilities who need assistance and equipment adaptations in activities and sports. Teaching methods and rules of the game are adapted to meet individualized needs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 7 ADAPTED WATER EXERCISE AND AEROBICS
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

Consists of water exercise and aerobics to improve strength, flexibility and cardiovascular condition. Designed for those that have participated in therapy, rehabilitation, have chronic medical diagnosis, or any cognitive, behavioral, and/or physical disabilities. Adaptive equipment may include flotation devices for the trunk and extremities, ankle weights, aquatic dumbells, and noodles. Teaching methods are adapted to meet individualized needs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 8 ADAPTED OUTDOOR EDUCATION AND RECREATION
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab

Transfers: CSU, UC

An introduction to outdoor education and recreation modified and designed for students that have participated in therapy, rehabilitation, have chronic medical diagnosis or any cognitive, behavioral, and/or physical disabilities. The class focuses on safety, outdoor fitness conditioning, and the basic skills needed to interact with the outdoor environment while participating in one or more outdoor activities, including but not limited to; stand up paddling, kayaking, sailing, surfing, hiking, rock climbing, and archery.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 9 ADAPTED YOGA
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Yoga class with poses that are individualized to meet goals, precautions, and contraindications related to student's ability. For example, the focus of some of the postures will include: postural alignment, flexibility, strength, endurance, and mobility. The use of props such as: bolsters, pillows, wedges, blankets, blocks, and straps are incorporated into the class to modify yoga poses according to the individual's needs. Furthermore, poses can be modified, i.e. using a chair or wheelchair (WC), if a student needs postural or balance support to participate in class. Includes breathing techniques for attention, focus, and relaxation. Designed for students with chronic pain, or any cognitive, behavioral or physical disabilities or whom have participated in physical therapy or rehabilitation.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 10 ADAPTED DANCE
1.0-1.5 Units 0.50-1.00 hours Lecture 1.50-2.00 hours Lab
Transfers: CSU, UC

Fitness class that introduces elements of dance such as rhythm, coordination, body and spatial awareness, movement vocabulary, and creative expression. Designed for individuals with any cognitive, behavioral, and/or physical disabilities. Methods of instruction are modified to accommodate varied levels of abilities. Students will participate in several types of dance including but not limited to modern, swing, country, salsa, ballet, jazz, tap, and ballroom.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 151 INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Designed to provide information and practical experience to students pursuing a career in physical therapy, occupational therapy, recreation therapy, adapted physical education, speech pathology or other health care fields that work with special populations. Also offered as HSC 151. Credit given for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KNEA 180WE PRE-THERAPY WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Limitation on Enrollment: Physician clearance, immunizations, liability insurance, and background check.
Recommended Preparation: BIO 11 and HSC 151/KNEA 151
Students exploring careers in allied health professions (i.e. physical/occupational/speech therapy) will be assigned to an affiliated health care facility for a non-salaried, supervised experience. Health care facility may include acute care hospital, outpatient clinic, home health or skilled nursing facility (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

Korean [KOR]

KOR 1 ELEMENTARY KOREAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in daily spoken Korean. Emphasis is on reading and writing skills, as well as fundamental aspects of culture. Equivalent to two years high school Korean.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KOR 2 ELEMENTARY KOREAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: KOR 1or two years of high school Korean
Designed to further the fundamentals of communicative competence in daily spoken Korean. Although the focus remains on listening comprehension and speaking; reading and writing skills will be expanded and customs and cultural achievements will be included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KOR 3 INTERMEDIATE KOREAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: KOR 2 or three years of high school Korean
Intermediate level course focuses on fluency in reading, writing, speaking, and listening. Continues the study of Korean cultures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KOR 4 INTERMEDIATE KOREAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: KOR 3 or four years of high school Korean
Emphasizes fluency in speaking, reading, writing, and comprehension of Korean. Includes selected readings and discussions from the basic four genres in Korean and Korean-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

KOR 21 INTRODUCTION TO KOREAN CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: College-level reading ability
Designed to provide a brief overview in English of the Korean culture. Areas of study include geography, history, literature, philosophy, religion, and customs of the Korean people. No prior study of the Korean language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Library [LIB]

LIB 2H HONORS ADVANCED INFORMATION COMPETENCY, ONLINE SEARCHING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Recommended Preparation: LIB 100
Advanced online research skills with special attention to the efficient and ethical use of information, particularly scholarly, statistical, and primary sources relevant to honors research projects. Exploration of the changing information technology used in the digital environment and its social and cultural impact on users. Emphasis on the construction of annotated bibliographies and literature reviews and effective search strategies for library catalogs, periodical databases, and collections of peer-reviewed journals. Evaluation of online information sources such as news sources, social media, and open access publications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

LIB 100 BASIC INFORMATION COMPETENCY SKILLS, LIBRARY RESEARCH
1.0 Unit 1.00 hour Lecture
Transfers: CSU
Designed to provide the student with an understanding of print and electronic reference sources available in an academic library, as well as research skills that can be used to find information for papers, presentations, and other class assignments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Manufacturing Technology [MFG]

MFG 200 INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Recommended Preparation: ARCH/DR 50 and MFG 204
A comprehensive study of rapid prototyping (RP) and Additive Manufacturing (AM). Primary topics will include prototype fundamentals, terminology, machine technology, advantages vs. disadvantages of various technologies, materials and finishing for industry. Features applied laboratory activities in Additive Manufacturing and post-production finishing or processes on several different rapid prototyping machines.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 201 ADVANCED CAD MODEL MAKING AND TOOLING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: MFG 200
Recommended Preparation: ARCH/DR 50 and MFG 204
A comprehensive study of rapid prototyping (RP), additive manufacturing tooling, and secondary processes. Includes stereo lithography (SLA), fused deposition modeling (FDM), three dimensional printing (3DP), and multi-jet modeling (MJM) machine operations. Students apply advanced materials secondary processes and finishing for RP models, resin casting, vacuum forming, silicone mold making and composites. Activities include finishing on several rapid prototyping machines and secondary processing equipment. Magics RP will be used for tool creation and repair of STL files.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 202 INDUSTRIAL MATERIALS
2.0 Units 2.00 hours Lecture

Study of metals and non-metals common to industry; mining, physical and chemical properties and uses, lattice structure, alloy systems, mechanical tests and characteristics of strength, elasticity, ductility, malleability, heat treatment and surface coatings.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 203 INTRODUCTION TO MANUFACTURING PROCESSES
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Study of modern manufacturing techniques. The use of machine tools, testing devices, and inspection methods and the relation of design to production and assembly.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 204 3D COMPUTER AIDED DESIGN - SOLIDWORKS
3.0 Units 2.00 hours Lecture 4.00 hours Lab

Recommended Preparation: DR/ARCH 50
Operation and application of modern computer-aided design using Solidworks. Includes development of 3D computer models from concept to rapid prototyping, component parts, drawings, and assemblies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 205 SILICONE AND URETHANE MOLD MAKING
3.0 Units 2.00 hours Lecture 3.00 hours Lab

A comprehensive study of silicones and urethanes, their similarities and differences and how they are applied during the mold-making process. Topics will include types of silicones, types of urethanes and common molding practices. This hands-on class will require students to create silicone and urethane molds of various types. Includes vents, sprue, parting lines, and keys. Students will create several types of silicone and urethane molds including open face, two-piece, glove, shell, and reinforced mother molds. Industries that use this type of technology include theater, art, rapid manufacturing, jewelry making, part design, and engineering.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 206 RESIN AND FOAM CASTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: MFG 205
A comprehensive study of resins and foams commonly used in the casting industry, their applications, similarities and differences. Students will learn how to assess the mechanical properties of the casting resins to achieve the best possible casting for a specific project. Students will cast a variety of objects utilizing different materials. Students will use the molds created in the silicone and urethane mold-making class.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 207 CNC COMPUTER NUMERICAL CONTROL PROGRAMMING I
3.0 Units 2.00 hours Lecture 4.00 hours Lab

A basic course in numerical control programming using G and M codes, Computer Numerical Control (CNC). Emphasis will be on verification for numerical control machine tools. Students write, debug, edit and create programs required for successful execution on a CNC Mill.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MFG 208 CNC COMPUTER NUMERICAL CONTROL PROGRAMMING II
3.0 Units 2.00 hours Lecture 4.00 hours Lab

Recommended Preparation: MFG 207
Concentrates on practical applications of numerical control programming. Special emphasis will be placed on HSMworks and Mastercam. Students will write, debug, edit and execute programs on Computer Numerical Control (CNC) machines.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Marine Science [MS]

MS 4 SOUTHERN CALIFORNIA COASTAL ECOLOGY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

A study of biological systems and processes associated with coastal environments in Southern California. Emphasizes coastal, estuarine, intertidal, and subtidal environments as well as human impacts on the marine ecosystem. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MS 20 INTRODUCTION TO OCEANOGRAPHY
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Study of the physical and chemical properties of oceans, with a brief study of the geological and biological operations of the oceanographer. The current thinking of the oceans as economic and natural resources will be stressed including the current techniques for measurement of the physical and chemical properties of the saltwater environment. The laboratory will focus on the basic instrumentation of the oceanographer, beginning with the simplest form. Field trips may be required to fulfill the objectives of this course.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Mathematics [MATH/STAT] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

STAT C1000 INTRODUCTION TO STATISTICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Credit may be earned for STAT C1000 or STAT C1000H, but not both. Formerly offered as MATH 10.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 110

STAT C1000H INTRODUCTION TO STATISTICS - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course. The honors course is enriched by limited class size and the presentation of an original research project. Credit may be earned for STAT C1000 or STAT C1000H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 110

MATH C2210 CALCULUS I: EARLY TRANSCENDENTALS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process.

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Credit may be earned in MATH C2210 or MATH C2210H, but not both. Formerly offered as MATH 3A.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 210

MATH C2210H CALCULUS I: EARLY TRANSCENDENTALS - HONORS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Prerequisite: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process.

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. This is an honors course. Credit may be earned in MATH C2210 or MATH C2210H, but not both. Formerly offered as MATH 3AH.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 210

MATH C2220 CALCULUS II: EARLY TRANSCENDENTALS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Calculus I: Early Transcendentals (MATH C2210), or equivalent, or placement as determined by the college's multiple measures assessment process.

A second course in differential and integral calculus of a single variable. Topics include applications of integration, techniques of integration, infinite sequences and series, and the calculus of parametric and polar equations. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Formerly offered as MATH 3B.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 220

MATH 2 PRE-CALCULUS MATHEMATICS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Clearance from the current placement process or completion of Trigonometry or equivalent course with a "C" grade or better

Topics covered include polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates. Per AB 1705, this course is optional for STEM majors and does not improve your chances of completing subsequent coursework.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MATH 3C ANALYTIC GEOMETRY AND CALCULUS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: MATH C2220

Vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, divergence theorem.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 230

MATH 8 COLLEGE ALGEBRA FOR BRIEF CALCULUS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite:

Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

College-level course in algebra that also provides sufficient preparation for success in a brief calculus course. Covers polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations and inequalities; theory of polynomial equations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MATH 11 A BRIEF COURSE IN CALCULUS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 140

MATH 14 MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite:

Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Focuses on the development of quantitative reasoning skills through in-depth, activity-based explorations of topics in mathematics, including real numbers systems, subsystems, geometric concepts in two- and three-dimensional space, and descriptive statistics. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 120

MATH 24 ELEMENTARY DIFFERENTIAL EQUATIONS
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: MATH C2220

An introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including, series solutions, and singular points, Laplace transforms and linear systems.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 240

MATH 26 INTRODUCTION TO LINEAR ALGEBRA
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: MATH C2220

Develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 250

MATH 30A COMPUTER DISCRETE MATHEMATICS I
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CS 1A and clearance from the current placement process or completion of Pre-calculus or equivalent course with a "C" grade or better.

This course is designed primarily for computer science majors. Areas of study include logic, proofs, basic structures, algorithms, integers, matrices, induction, recursion, counting principles, discrete probability, inclusion-exclusion, and graphs and trees. This course is also listed as CS 30A; credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: COMP 152

MATH 30B COMPUTER DISCRETE MATHEMATICS II
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: CS 30A or MATH 30A

This course is designed primarily for computer science majors. Major topics include propositional logic, proofs, recursion, combinatorics, probability, number theory, relations, graphs, trees, Boolean algebra, and modeling computation. This course is also listed as CS 30B; credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MATH 103 MATHEMATICAL IDEAS
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite:

Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Develop an appreciation for the power and art of mathematics through an exploration of historical number systems, financial literacy, probability, statistics, and a variety of real-world applications.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MATH 124 TRIGONOMETRY
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite:

Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Trigonometric functions with emphasis on both the unit circle and the right triangle methodologies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MATH 203S SUPPORT FOR MATH C2210
2.0 Units 2.00 hours Lecture
Prerequisite: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process.
Corequisite: MATH C2210

A supplemental math course taught in conjunction with MATH C2210. Designed to help students succeed in MATH C2210 by providing instructional support for fundamental skills. Pass/No Pass only. Passing MATH 203S is contingent on passing MATH C2210 with a C or better.
Grading Method: PN - Pass/No Pass
NR

MATH 204S SUPPORT FOR MATH C2220
2.0 Units 2.00 hours Lecture
Prerequisite: Calculus I: Early Transcendentals (MATH C2210), or equivalent, or placement as determined by the college's multiple measures assessment process.
Corequisite: MATH C2220

A supplemental math course taught in conjunction with MATH C2220. Designed to help students succeed in MATH C2220 by providing instructional support for fundamental skills. Pass/No Pass only. Passing Math 204S is contingent on passing MATH C2220 with a C or better.
Grading Method: PN - Pass/No Pass
NR

MATH 208S SUPPORT FOR MATH 8
2.0 Units 2.00 hours Lecture
Prerequisite: Placement by the current assessment process
Corequisite: MATH 8

A supplemental math course taught in conjunction with Math 8. Designed to help students succeed in Math 8 by providing instructional support and just-in-time remediation of core prerequisite skills. Pass/No Pass only. Passing Math 208S is contingent on passing Math 8 with a C or better.
Grading Method: PN - Pass/No Pass
NR

MATH 210S SUPPORT FOR STAT C1000
2.0 Units 2.00 hours Lecture
Prerequisite: Placement as determined by the college's multiple measures assessment process
Corequisite: STAT C1000

A supplemental math course taught in conjunction with STAT C1000. Designed to help students succeed in STAT C1000 by providing instructional support and just-in-time remediation of core prerequisite skills. Pass/No Pass only. Passing Math 210S is contingent on passing STAT C1000 with a C or better.
Grading Method: PN - Pass/No Pass
NR

MATH 224S SUPPORT FOR MATH 124
2.0 Units 2.00 hours Lecture
Prerequisite: Placement by the current assessment process.
Corequisite: MATH 124

A supplemental math course taught in conjunction with Math 124. Designed to help students succeed in Math 124 by providing instructional support and just-in-time remediation of core prerequisite skills. Pass/No Pass only. Passing Math 224S is contingent on passing Math 124 with a C or better.
Grading Method: PN - Pass/No Pass
NR

Medical Assisting [MA]

MA 206 INTRODUCTION TO MEDICAL ASSISTING
3.0 Units 3.00 hours Lecture

This course covers basic concepts in medical assisting including the role of the medical assistant, career pathways, job duties, professionalism and the essential skills required to work in a physician's office or medical clinic. The course identifies members of the healthcare team, medical specialties and current topics impacting the delivery of quality patient care. Important ethical and legal considerations impacting patient care including cultural diversity, safety, injury and infection prevention. Students learn about the healthcare continuum, nutrition and emergency preparedness. Students are recommended to take this course during the first semester, prior to entering the medical assistant pathways. Letter Grade Only.
Grading Method: GN - Letter Grade only
NR

MA 211B PHYSICAL-EXAMINATION PROCEDURES
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Teaches concepts and skills required for work in the medical back office including data collection, documentation, recording the chief complaint, identification of applicable codes, performance of clinical skills including manual blood pressure, vital signs, patient measurements for infants, pediatrics, adult and geriatric patients, considerations for working with culturally diverse and, special circumstances, legal and ethical considerations, patient education. Set up for patient exams including: physical exam, preemployment, vision, hearing, male and female health, age related considerations. Patient education, diagnostic imaging, physical therapy procedures, safety and the role of the medical assistant in the physicians' office or clinic. Letter grade only.
Grading Method: GN - Letter Grade only
NR

MA 212B MEDICAL OFFICE LABORATORY PROCEDURES
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Students develop competency related to clinical laboratory procedures performed in the medical office including accurate specimen collection, patient preparation, performance of Point of Care Testing, equipment calibration, regulatory compliance including OSHA, CLIA and CDC guidelines. Students identify method of specimen collection, amount, lab testing and normal versus abnormal values. Students perform and demonstrate competency related to safe specimen collection including venipuncture and capillary puncture, performance of urine procedures, and collection and handling of body fluids for testing and culture in compliance with regulatory and industry standards.
Grading Method: GN - Letter Grade only
NR

MA 213B MEDICAL ASEPSIS AND SURGICAL PROCEDURES
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: HSC 104 and MA 211B
Students learn medical-office clinical skills, infection prevention, regulatory safety standards and skills for work in a physician's office or ambulatory clinic using medical and surgical aseptic techniques, performance of bandaging, wound care, surgical tray set up, disinfection and sterilization of equipment. Students identify instruments for used for surgical a variety of minor office surgical procedures. Scheduling recommendations: students should take MA 206, MA 280 and HSC 104 before enrolling in this course.
Grading Method: GN - Letter Grade only
NR

MA 214B MEDICATION ADMINISTRATION PROCEDURES
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Instruction on pharmacology, math calculations, anatomy, physiology, equipment, aseptic and sterile technique, patient care and education, emergency procedures, injections,skin testing and medication by inhalation. Meets state requirements for medical assisting injection training and skills.
Grading Method: GN - Letter Grade only
NR

MA 217A MEDICAL ASSISTING CLINICAL EXPERIENCE--ADMINISTRATIVE
3.0 Units 10.00 hours Lab

Limitation on Enrollment: Enrollment requires: 1) completion of all administrative medical assistant program requirements 2) health screening physical examination and immunizations 3) Basic Cardiac Life Support Certificate (BLS) 4) Proof of Medical Liability Insurance 5) Background clearance and drug screening
Recommended Preparation: Completion of all required didactic courses for the Administrative Medical Assistant Certificate.
Students complete 160 hours of supervised directed practice in a physician's office demonstrating administrative medical assistant skills essential for employment, including computer skills, EHR, reception techniques,insurance, billing and financial procedures. C grade or higher in requisite courses. Requires purchase of a uniform. Background and health clearance, and medical malpractice insurance purchased through an approved vendor only, CPR-BLS with AED certification; Proof of immunization, vaccinations may be required. Requires APC for registration. Students earn the Administrative Medical Assistant Certificate of Achievement after completing this capstone course.
Grading Method: GN - Letter Grade only
NR

MA 217B MEDICAL ASSISTING CLINICAL EXPERIENCE CLINICAL
3.0 Units 10.00 hours Lab

Limitation on Enrollment: Enrollment requires: 1) completion of all clinical medical assistant program requirements 2) health screening physical examination and immunizations 3) Basic Cardiac Life Support Certificate (BLS) 4) Proof of Medical Liability Insurance Coverage**Limitation on Enrollment:** Completion of all onboarding requirements including background clearance and drug screening
Recommended Preparation: Completion of all required didactic courses for the Clinical Medical Assistant Certificate. Students complete 166 hours of supervised, directed practice demonstrating clinical medical assisting skills in a medical office or clinic. Emphasis on safety, infection prevention, regulatory compliance, professionalism, communication, cultural awareness, prioritization, office workflow, patient preparation and equipment set up to assist the physician with examinations, minor office surgery, data collection, measurements, vital signs, diagnostic testing, ECG's, PFT's, medication administration and patient rights, injections, venipuncture, capillary puncture, specimen collection, handling, bloodborne pathogens. Meets CCBMA,CA Med Board requirements for capillary puncture, injections and venipuncture skills training hours.
Grading Method: GN - Letter Grade only
NR

MA 217C MEDICAL-ASSISTING CLINICAL EXPERIENCE COMPREHENSIVE
3.0 Units 10.00 hours Lab

Limitation on Enrollment: Completion of: 1) all didactic courses in the comprehensive medical assistant program, 2) Health screening physical examination and immunizations, 3) Basic Cardiac Life Support Certificate (BLS), 4) Proof of Medical Liability Insurance, and 5) Background clearance and drug screening
Recommended Preparation: Completion of all didactic courses in the comprehensive medical assistant program. Students complete 160 supervised training to demonstrating administrative and clinical medical assisting skills. Reception, billing, coding, insurance, venipuncture, capillary puncture, injections, ECG, examination procedures. Requires a "C" grade in all program courses, APC is required for enrollment. Meets Medical Board CA, training hours for capillary puncture, injections, venipuncture.
Grading Method: GN - Letter Grade only
NR

MA 218B ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Course designed to provide instruction and skills related to diagnostic testing of the cardiopulmonary system. Emphasis on the cardiopulmonary system, anatomy, physiology and the relationship to pathophysiology. Students learn how to prepare the patient and perform skills essential to diagnostic testing in the physician's office. Course is lecture lab with emphasis on skills demonstration.
Grading Method: GN - Letter Grade only
NR

MA 224A BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT
3.0 Units 3.00 hours Lecture

Introduces students to the basics of medical insurance and billing. Covers physician fees, insurance plans, methods of payment, credit and collections and banking procedures used in the medical office and ambulatory healthcare settings. Covers terminology related to banking, billing, collections, claims, insurance and reimbursement.
Grading Method: GN - Letter Grade only
NR

MA 230 CERTIFIED PROFESSIONAL CODER(CPC) EXAM PREPARATION
3.0 Units 3.00 hours Lecture

Prepares students for the national Certified Professional Coder certification examination, through the application of critical thinking. Course involves reviewing case studies, data abstraction, use of annually published medical coding manuals to correctly determine accurate code sequencing to comply with regulatory requirements (formerly HSC 230).
Grading Method: GN - Letter Grade only
NR

MA 280 HEALTHCARE ORGANIZATION PRACTICES
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Provides training and instruction on essential skills required to work in the medical office or healthcare setting using computers to simulate data entry, ergonomics, communication skills, patient registration, appointment scheduling, creation of the patient account, electronic health record, written correspondence and essentials of the patient record, students learn effective communication techniques, telephone skills and soft skills, students are introduced to the structure of the medical office, workflow and methods of healthcare delivery and information.
Grading Method: GN - Letter Grade only
NR

MA 282 FUNDAMENTALS OF MEDICAL PRACTICE CODING
3.0 Units 3.00 hours Lecture 1.00 hour Lab

Provides instruction and practice on financial procedures, insurance, billing, collections and coding practices used in medical offices, outpatient, ambulatory and hospital settings. Introduces Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases (ICD) procedural principles. Covers relationship between coding, reimbursement, collections, insurance, administrative procedures and billing.
Grading Method: GN - Letter Grade only
NR

Medical Laboratory Technology [MLT]

MLT 210 INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION
1.0 Unit 1.00 hour Lecture

Introduces the student to the functions and duties of a Medical Laboratory Technician (MLT) and compares and contrasts these duties to the Clinical Laboratory Scientist (CLS). Topics such as clinical laboratory safety, regulatory agencies, infection control policies, standard operating procedures, and professional communication will be presented. The student will learn medical terminology,patient's bill of rights, pre-analytical evaluation of specimens, the laboratory information and data management systems.
Grading Method: GN - Letter Grade only
NR

MLT 211 BASIC LABORATORY PROCEDURES
1.0 Unit 1.00 hour Lecture

Recommended Preparation: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.
Designed to introduce the student to basic clinical laboratory procedures common to all diagnostic-related tasks. Emphasis will be placed on proper use of manual pipettes and semi-automated micropipettors, preparation of serial dilutions, making buffers and reagents from stock solutions, calibration and use of balances, sterile techniques, centrifuges and spectrophotometers. Introduction to basic laboratory math and statistics.
Grading Method: GN - Letter Grade only
NR

MLT 230 CLINICAL CHEMISTRY
5.0 Units 5.00 hours Lecture 1.00 hour Lab

Prerequisite: CHEM 8

Recommended Preparation: MLT 211
Includes general laboratory principles and specific basic instrumentation methodologies used in the clinical lab. Introduces pre-analytical variables, electrolytes and trace elements and their relationship to acid base balance, and enzyme kinetics. Studies relationships between the endocrine system analytes, including tumor markers, therapeutic drugs, and toxicology. Studies the clinical relevance of vitamin assays. Examines the correlation between test results and disease states for liver, kidney, and pancreatic functions assays. Introduces students to body fluid assays and correlation with disease states. Includes review of QA and QC.
Grading Method: GN - Letter Grade only
NR

MLT 232 CLINICAL MICROBIOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab

Prerequisite: BIO 15

Recommended Preparation: MLT 211
Students learn how to identify micro-organisms of medical microbiology with emphasis on the characteristics of clinically significant micro-organisms and their biochemical profile, media for isolation, and identification methods for selected pathogens. Introduces identification methods, theories, and techniques used in basic bacteriology parasitology, and mycology. Emphasizes routine identification.
Grading Method: GN - Letter Grade only
NR

MLT 235 CLINICAL URINALYSIS
1.0 Unit 0.50 hour Lecture 1.50 hours Lab

Prerequisite: BIO 13

Recommended Preparation: MLT 211
Includes various properties and constituents of urine. Emphasis is placed on interpretation of theory and methodology of qualitative and quantitative clinical analysis of urine. The student will be able to accurately compare and contrast the methods of analysis to normal function of the kidney, and examine urine physically, chemically, and microscopically. Requires comparison of clinical values as related to the physiology of the urinary system in health and disease.
Grading Method: GN - Letter Grade only
NR

MLT 236 CLINICAL HEMATOLOGY AND COAGULATION
3.0 Units 3.00 hours Lecture 1.00 hour Lab

Prerequisite: BIO 13

Recommended Preparation: MLT 211
The study of hematologic disorders, normal and abnormal cell development, morphology, symptoms of hematologic disease and related testing. Presents an overview of the hemostatic process, diseases, and laboratory evaluations. Includes normal values and abnormal results, specimen processing and quality control.
Grading Method: GN - Letter Grade only
NR

MLT 242 CLINICAL CHEMISTRY PRACTICUM
4.0 Units 12.50 hours Lab

Prerequisite: MLT 230 and official admission to the MLT program

Limitation on Enrollment: Completion of all required didactic courses and acceptance into a clinical site.
Provides entry-level clinical laboratory practice and experience in the department of general and special chemistry. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations.
Grading Method: GN - Letter Grade only
NR

MLT 243 CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Prerequisite: MLT 236

Introduces the basic principles of antigen and antibody reactions and serological procedures. Includes introduction to principles and assays in immunohematology or blood bank.
Grading Method: GN - Letter Grade only
NR

MLT 244 CLINICAL HEMATOLOGY, COAGULATION, AND URINALYSIS PRACTICUM
4.0 Units 12.50 hours Lab
Prerequisite: MLT 236 and MLT 235, official admission to the MLT program
Limitation on Enrollment: Completion of all required didactic courses and acceptance into a clinical site.
Provides entry-level clinical laboratory practice/experience in the department of hematology, coagulation, and urinalysis. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as tech/manual methods. Competence will be evaluated based on final clinical evaluations.
Grading Method: GN - Letter Grade only
NR

MLT 252 CLINICAL MICROBIOLOGY PRACTICUM
4.0 Units 12.50 hours Lab
Prerequisite: MLT 232 and official admission to the MLT program
Limitation on Enrollment: Completion of all required didactic courses and acceptance into a clinical site.
Provides entry-level clinical laboratory practice and experience in the department of microbiology. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as numerous bench/manual techniques. Competence will be evaluated based on final clinical evaluations.
Grading Method: GN - Letter Grade only
NR

MLT 253 CLINICAL IMMUNOLOGY - IMMUNOHEMATOLOGY PRACTICUM
3.0 Units 10.00 hours Lab
Prerequisite: MLT 236, MLT 243 and official admission to the MLT program
Limitation on Enrollment: Completion of all required didactic courses and acceptance into a clinical site.
Provides entry-level clinical laboratory practice and experience in the department of immunology/serology, and immunohematology. Emphasis is placed on technique, accuracy, and precision. Different instrumentation will be introduced as well as bench/manual methods. Competence will be evaluated based on final clinical evaluations.
Grading Method: GN - Letter Grade only
NR

Music [MUS]

MUS 1 THE BASICS OF MUSIC
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizing the principles and procedures of music: rhythm and pitch notation, scales (major, minor, modal), key signatures, intervals, chord structures, sight-singing, dictation, and keyboard.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 110

MUS 2 HISTORY OF FILM MUSIC
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course offers a historical survey of film music from the silent era to the present day. Students will explore the unique language of music for motion pictures, studying how composers use melody, harmony, rhythm, and instrumentation to shape audience experience. The course includes analysis of major films and their scores, highlighting influential composers and the evolution of musical styles across cinematic history. Attention will also be given to film genres and the specific musical techniques used to support them, from the sweeping orchestrations of Hollywood epics to the innovative soundscapes of contemporary cinema. By examining both historical context and practical compositional methods, students will gain a deeper understanding of how music defines, enhances, and transforms the art of film.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 10 HARMONY I
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 1
An intensive study of diatonic harmony in major and minor modes; roman numeral analysis; part-writing using root position triads; harmonization of a given melody; non-harmonic tones; strophic, binary, and ternary forms.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 120

MUS 11 HARMONY II
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 10
An intensive study of advanced diatonic and chromatic harmony in major and minor modes; secondary chords; modulation; part-writing using triads and 7th chords; variation, rondo, and sonata forms.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 130

MUS 12 HARMONY III
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 11
A study of chromatic harmony as practiced in the 19th century. Includes 9th, 11th and 13th chords, altered chords, mode mixture, and augmented 6th and Neapolitan chords as well as 19th century formal models.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 140

MUS 14 JAZZ COMPOSITION AND ARRANGING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 11
A study of the traditional and popular use of intervals, modes, rhythms, meters, notation of scales, structure notation, and use of traditional and popular chords and progressions. Emphasis will be placed on the traditional and popular concepts of melodic writing for popular and jazz music.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 15 MUSIC COMPOSITION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 1
The emphasis in this course is on original composition. Study of instrumentation and orchestration will also be included, as will analysis of applicable literature.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 18 ADVANCED MUSIC COMPOSITION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: MUS 15

Composition of large scale chamber works using intermediate to advanced level 20th and 21st century compositional techniques. Covers writing for combinations of standard orchestral instruments and the development of individual compositional style.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 20 MUSIC APPRECIATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of musical forms and important composers and their works from the Baroque period through the 21st century. Stylistic concepts for each period will be studied and demonstrated.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 100

MUS 23 INTRODUCTION TO WORLD MUSIC
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the music of the world's peoples, including North, Central, and South American, African, European, Indonesian, and Asian musics and their influence on music of the United States.This course will also cover basic ethnomusicological skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 24 MUSIC SINCE 1900
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of 20th and 21st century's American and European composers and their music, including the genres of Classical, Jazz, Rock, Pop, Musical Theater, Film Music, and Country.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 25 MUSIC HISTORY TO MOZART C. 1750
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 20
A study of musical styles and forms found in Western music from the beginning of the Christian era to the time of Mozart (c. 1750). Emphasis will be on the composers, styles, and forms of Medieval, Renaissance, and Baroque music with supplementary historical and biographical details pertinent to placing the music into the flow of Western culture.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 26 MUSIC HISTORY SINCE MOZART FROM C. 1750

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: MUS 20 or MUS 25
A study of musical styles and forms found in Western music from the time of Mozart (c. 1750) to the present. Emphasis will be on the composers, styles and forms of Classic, Romantic, and Contemporary music.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 27 HISTORY OF JAZZ

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Explore America's only indigenous art form from Blues to New Age. A study of the elements of jazz tracing the development and evolution of the styles and structures of jazz from its beginning to the present time.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 28 HISTORY OF ROCK

3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A study of the elements of rock music tracing the development and evolution of its styles and structures, including sociological and political aspects, from rock's beginning to the present time.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 32 SINGING SOCIETY

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college music faculty to demonstrate the ability to sightread representative works.
Choral/orchestral performance of the oratorio repertoire of the late 18th and 19th centuries is offered. The repertoire includes oratorios of Handel, Haydn, Mendelssohn and other composers of the period. Rehearsals include study of historical perspective of the oratorio society as a social phenomenon of the Industrial Revolution, and the changing role of the composer, conductor and music critic in the 19th century society. Students are limited to a combined total of four enrollments in MUS 31, 32, 33, 134, 232, and 233.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 185

MUS 33 MASTERWORKS CHORALE

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty including the ability to sight read.
Students will perform choral repertoire selected from the 18th through 21st centuries with special emphasis on larger choral/orchestral or unaccompanied works. This course will include study of the appropriate harmonic, rhythmic, melodic and textural vocabulary as seen in this repertoire. Students are limited to a combined total of four enrollments in MUS 31, 32, 33, 134, 232, and 233.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

MUS 34 EARLY MUSIC ENSEMBLE

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty including demonstration of ability to sight read.
Students will perform sacred and secular repertoire suitable for chamber ensemble from the 15th to 17th centuries. Unaccompanied works and music with instrumental accompaniment are included. Emphasizes a cultivation of skills needed to sing music from a variety styles within the Early, Renaissance, and through the pre-Baroque era. Students are limited to a combined total of four enrollments in MUS 34 and 35.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 185

MUS 35 CONTEMPORARY CHOIR

2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty including demonstration of ability to sight read.
Study and performance of sacred and secular repertoire suitable for vocal chamber ensemble of 20th and 21st century composers. Unaccompanied works and music with instruments or keyboard accompaniment are included. Singers will develop skills required for performance of both traditional and avant-garde choral composition. Students will be required to attend and participate in concerts and festivals in addition to the regularly scheduled class time. Concerts and festivals take place on and off campus. Students are limited to a combined total of four enrollments in MUS 34 and 35.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: MUS 180

MUS 38 INTERCULTURAL MUSIC ENSEMBLE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition required with instructor to demonstrate knowledge of music fundamentals, ability of basic sight-reading skills, and display of minimum technical ability on various instruments.
Recommended Preparation: MUS 1
Rehearsal and performance at the collegiate level of music from different cultures. Possible cultures investigated are Indonesia, Persia, South America, China, Japan, and others. Students will play membranophones, aerophones, idiophones, chordophones, and other instruments endemic to respective cultures. Students will investigate and perform microtonal and non-Western tuning systems, and study how West African drum ensembles hocket polyrhythms. Sight-reading ability highly recommended. Audition required. Open to instrumentalists and vocalists. Public performance required. This course is offered as open-entry/open-exit. Formerly MUS 138.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

MUS 39 COMMERCIAL MUSIC ENSEMBLE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty where students demonstrate proficiency on instrument including technique, time, tone, knowledge of genres, and stylistic skills.
Rehearsal and performance of commercial songs and material including but not limited to the blues, classic rock 'n' roll, folk rock standards, hip-hop, current popular music, electronic music and original material. Open to instrumentalists, midi instruments/controllers, vocalists, emcees and DJs. Public performance required. Students are limited to a combined total of four enrollments in MUS 39, 182, 184, and 187.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 41 SYMPHONIC WIND ENSEMBLE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with music faculty. Skills to be presented in the audition: exact rhythm, precise intonation, and musicality.
Recommended Preparation: Previous instrumental training and demonstrated proficiency
An elite concert band, playing the finest traditional and contemporary band literature available. Emphasis is on a high degree of individual musicianship and fine ensemble playing. Formal concert to be given with outstanding guest soloist and/or conductors. This course is offered as open-entry/open-exit.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: MUS 180

MUS 42 SYMPHONIC ORCHESTRA
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with music faculty. Skills needed to be presented in the audition: exact rhythm, precise intonation, and musicality.
Recommended Preparation: Previous experience in a performing ensemble (wind ensemble, orchestra, string orchestra) at a minimum of a high school level with ability to sight read and knowledge of all scales and keys.
Studies and performance of standard orchestral literature. Public performance required for credit. This course is offered as open-entry/open-exit.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: MUS 180

MUS 43 STRING ORCHESTRA
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition required for placement

Recommended Preparation: Previous experience in a performing ensemble (wind ensemble, orchestra,string orchestra) at a minimum of a high school level with ability to sight read and knowledge of all scales and keys.
Study of string literature from baroque, classical, romantic, and 20th and 21st century eras of music. Designed to read, study, and perform orchestral literature written especially for strings. Offered as open-entry/open-exit.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 46 JAZZ IMPROVISATION I
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 10 or placement audition where students demonstrate skills equivalent to those learned in MUS 10.
Study of jazz theory, transcription, awareness of historically important jazz improvisers, and the internationalization of jazz rhythm. Provides students with the opportunity to develop technical command of instrument and fosters the ability to create stylistically appropriate improvised melodies. Students are limited to a combined total of four enrollments in MUS 46 and 190.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 47 SADDLEBACK COLLEGE BIG BAND
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty Where student demonstrates ability to sight-read, Identify and write key signatures and all major and minor scales, differentiate between major, minor, augmented and diminished intervals, demonstrate use of all diatonic chords in music, and performance of rhythmic patterns in music.
Performance of big band music by members of the community above high-school sophomore level. Very high standards of individual and ensemble performance are expected. The student can expect to be exposed to the very best and most demanding of the literature available in the jazz idiom. Members of this band will perform several times during the term at events both on and off campus. Offered as open-entry/open-exit. Students are limited to a combined total of four enrollments in MUS 47 and 146.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: MUS 180

MUS 50 APPLIED MUSIC
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: College audition and concurrent enrollment in performance ensemble
Individual instruction at the advanced level in voice, piano, instrumental music, commercial music, and jazz music. Designed to develop technical competence, stylistic interpretation, and performance practice. Students are limited to a combined total of four enrollments in MUS 50.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3
C-ID: MUS 160

MUS 54A BEGINNING PIANO I
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

A first level introductory course in piano, with instruction in elementary music-reading, repertoire, piano technique, tone production, sight-reading, keyboard harmony, and performance styles for music and non-music majors at a first-year level. Students are limited to a combined total of four enrollments in MUS 54A, 54B, 55A, 55B, and 56.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 170

MUS 54B BEGINNING PIANO II
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: MUS 54A or demonstrated proficiency

A second level introductory course in piano, with instruction in music reading, repertoire, piano technique, tone production, sight-reading, keyboard harmony, and performance styles for music and non-music majors at a first-year level. Students are limited to a combined total of four enrollments in MUS 54A, 54B, 55A, 55B, and 56.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 171

MUS 55A INTERMEDIATE PIANO I
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: MUS 54B or demonstrated proficiency

Secondary Level Piano Course with instruction in selected major and minor scales, piano technique, tone production, sight-reading, building of repertoire and performance styles. Includes technical and interpretive development of piano performance ability at a third semester level. Keyboard harmony will be emphasized. Masterclass format. Students are limited to a combined total of four enrollments in MUS 54A, 54B, 55A, 55B, and 56.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 172

MUS 55B INTERMEDIATE PIANO II
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC
Prerequisite: MUS 55A or demonstrated proficiency

Secondary Level Piano Course with continuing instruction on all major and minor scales, piano technique, first and second chord inversions, tone production, sight-reading, building of repertoire and performance styles, and heightened emphasis on ensemble performance. Includes technical and interpretive development of piano performance ability at a fourth semester level. Keyboard harmony will be emphasized. Masterclass format. Students are limited to a combined total of four enrollments in MUS 54A, 54B, 55A, 55B, and 56.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 56 ADVANCED PIANO
2.5 Units 2.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 55B or four years of piano study
This course is of a "Master Class" or a workshop character, and for the student interested in furthering his or her understanding of musical styles through careful study and performance of Baroque, Classic Romantic and Contemporary piano literature. Works and performance are thoroughly analyzed and discussed as to style, interpretation and technical problems. Students are limited to a combined total of four enrollments in MUS 54A, 54B, 55A, 55B, and 56.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 58 PIANO REPERTOIRE AND PERFORMANCE PROCEDURES
2.5 Units 2.00 hours Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 55A or B or demonstrated proficiency
The study of important piano solo literature from Bach to contemporary with emphasis on technique and procedures in solo-performance preparation. Students are limited to a combined total of four enrollments in MUS 58, 78, 181, 253, 255, and 257.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 60 BEGINNING CLASSICAL GUITAR
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Transfers: CSU, UC

Emphasizes solo finger-style guitar playing on acoustic nylon-string guitar. Beginning-level music reading. No previous experience necessary. Students are limited to a combined total of four enrollments in MUS 60, 61, 62, 171, and 173.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 61 INTERMEDIATE CLASSICAL GUITAR
1.0 Unit 1.00 hour Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 60
Solo and ensemble fingerstyle playing on acoustic nylon-string guitar. Intermediate level music reading. Chordal accompaniment. Students are limited to a combined total of four enrollments in MUS 60, 61, 62, 171, and 173.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 62 ADVANCED CLASSICAL GUITAR
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 61
Solo and ensemble fingerstyle playing on acoustic nylon-string guitar. Advanced-level music reading and techniques. Advanced accompaniment techniques. Building repertoire and performance skills. Students are limited to a combined total of four enrollments in MUS 60, 61, 62, 171, and 173.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 63 ENSEMBLE TECHNIQUES FOR 21ST CENTURY
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition with college faculty demonstrating ability to sight read and knowledge of all scales and keys.
Designed to aid the individual in developing the ability to perform in small instrumental ensemble groups, studying the music of late 20th and early 21st centuries. Pianists, string, woodwind, and guitar players will study standard repertoire as well as newer compositions. Public performance required. Students are limited to a combined total of four enrollments in MUS 63, 66, 166, 167, 168, 169, and 266.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 64 PIANO ENSEMBLE
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition Required
Recommended Preparation: MUS 55A or demonstrated proficiency
The ensemble study of the literature of duo-piano including four and eight hands, both original and transcribed. Particular emphasis will be given to style, interpretation, techniques of ensemble playing and sight-reading. Students are limited to a combined total of four enrollments in MUS 64 and 65. Audition required.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2

MUS 65 PIANO ACCOMPANYING
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition in person or by video recording before our faculty, presenting some technique (scales or etudes) and/or repertory, showing the best of your abilities.
Recommended Preparation: MUS 55A or two years of piano study
Studies techniques of instrumental and vocal accompaniment through actual accompanying experience. Particular emphasis will be given to style, interpretation and techniques of accompanying and sight-reading. Students are limited to a combined total of four enrollments in MUS 64 and 65. Audition required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 75 STRING LITERATURE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: Two years of instrumental training
Designed to analyze and perform traditional and contemporary string orchestral literature from 18th century to present day.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 78 KEYBOARD LITERATURE & INTERPRETATION - BAROQUE AND CLASSICAL
3.0 Units 2.50 hours Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 55A or demonstrated keyboard proficiency
Keyboard Literature of Baroque and Classical Periods, their performance traditions and interpretation. Expands knowledge of keyboard music history and performance. Great performers of the past and their legacy. Students are limited to a combined total of four enrollments in MUS 58, 78, 181, 253, 255, and 257.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 80 BEGINNING VOICE
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Emphasizes vocal techniques, including tone production, breath control, and pronunciation, as well as music literature. Students are limited to a combined total of four enrollments in MUS 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 81 INTERMEDIATE VOICE
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 80
Techniques of singing without the aid of a microphone. Application of this study in vocalization and repertoire. Students are limited to a combined total of four enrollments in MUS 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 82 VOCAL REPERTOIRE AND PERFORMANCE PROCEDURES
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 81
A survey of concert literature available for various voice categories. Emphasis will be placed on the instruction and practice of presenting material from operas, concerts and musicals. Off campus performances required to meet course objectives. Students are limited to a combined total of four enrollments in MUS 80, 81, and 82.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 86 INTRODUCTION TO HARPSICHORD TECHNIQUE AND LITERATURE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 55A or demonstrated keyboard proficiency
Introductory Study of Harpsichord, its history, performance practices, technique and repertory. Masterclass format. Students will learn Renaissance and Early Baroque pieces written for harpsichord, as well as basic ornaments, dynamics and articulation on the instrument. Emphasis on short pieces from English Virginal and Italian Cembalo schools of the 17th century. Students are limited to a combined total of four enrollments in MUS 86, 87, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 87 HARPSICHORD LITERATURE AND TECHNIQUE II - LATE BEGINNER
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 86 or demonstrated harpsichord proficiency
Second semester study of Harpsichord, its history, performance practices, technique and repertory. Emphasis on German and French repertory from mid-Baroque period. Masterclass format. Students will review Renaissance and early Baroque pieces written for harpsichord, and will study mid-Baroque (up to 1680s) pieces and their ornaments, fingering, dynamics and articulation on the instrument. Emphasis on short pieces from German and French harpsichord schools of the mid-late 17th century. Students are limited to a combined total of four enrollments in MUS 86, 87, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 88 HARPSICHORD LITERATURE AND TECHNIQUE III -EARLY INTERMEDIATE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 87 or demonstrated harpsichord proficiency
Third semester study of Harpsichord, its history, performance practices, technique and repertory. Masterclass format. Students will learn high Baroque and Galant styles pieces written for harpsichord, as well as ornaments, fingering, dynamics and articulation on the instrument. Emphasis on pieces from Spanish, Italian and German High Baroque harpsichord schools of the 18th century. Students are limited to a combined total of four enrollments in MUS 86, 87, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 89 HARPSICHORD LITERATURE AND TECHNIQUE IV -LATE INTERMEDIATE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 88 or demonstrated harpsichord proficiency
Fourth semester study of Harpsichord, its history, performance practices, technique and repertory. Masterclass format. Students will learn pieces from Renaissance, Baroque, Galant, Early Classical and Contemporary styles written for harpsichord, as well as ornaments, fingering, dynamics tempi, varied repeats and articulation on the instrument. Emphasis on High Baroque pieces from French Clavecin school of the 18th century, early Classical and Galant and Contemporary styles. Students are limited to a combined total of four enrollments in MUS 86, 87, 88, and 89.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 92 MUSICIANSHIP I
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 1
Sight-reading, ear training, and dictation of diatonic melodies and harmonies; rhythmic reading and dictation. Students are limited to a combined total of four enrollments in MUS 92, 93, and 94.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 93 MUSICIANSHIP II
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 92
Sight-reading, ear training, and dictation of advanced diatonic melodies and harmonies; rhythmic reading and dictation. Required of all music majors. Students are limited to a combined total of four enrollments in MUS 92, 93, and 94.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 135

MUS 94 MUSICIANSHIP III
1.0 Unit 3.00 hours Lab
Transfers: CSU, UC

Recommended Preparation: MUS 93
Includes advanced sight-reading, ear training, and dictation of chromatic melodies and harmonies; rhythmic reading and dictation; keyboard harmony. Students are limited to a combined total of four enrollments in MUS 92, 93, and 94.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 96 INTRODUCTION TO ORGAN TECHNIQUE AND LITERATURE CLASS
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 55A or demonstrated keyboard proficiency
Introduction to organ manual and pedal techniques, basic registration, hymn playing and organ literature. Performance of simple compositions, accompaniments and hymn tunes. Baroque organ style interpretation. Students are limited to a combined total of four enrollments in MUS 96, 97, 98, and 99.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 97 ORGAN TECHNIQUE AND LITERATURE CLASS LATE BEGINNING
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 96
Second semester instruction in keyboard and pedal techniques, registration, basic hymn playing and organ literature. Performance of compositions for manuals and pedals, accompaniments and hymns. Classical style performance practice and interpretation. Students are limited to a combined total of four enrollments in MUS 96, 97, 98, and 99.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 98 ORGAN TECHNIQUE AND LITERATURE CLASS INTERMEDIATE (A), EARLY
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 97 or demonstrated organ proficiency.
Instruction in keyboard and pedal techniques, registration, articulation, hymns and organ literature. Performance of organ compositions with pedals, accompaniments and hymn tunes. Romantic Organ Music Interpretation. Performance Practice. Basic Concert Procedures. Students are limited to a combined total of four enrollments in MUS 96, 97, 98, and 99.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 99 ORGAN TECHNIQUE AND LITERATURE CLASS INTERMEDIATE (B), LATE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU, UC

Recommended Preparation: MUS 98 or demonstrated organ proficiency.
Instruction in keyboard and pedal techniques, registration, articulation, phrasing, dynamics, ornaments and varied repeats in hymns and standard organ literature. Performance of organ compositions for manuals with pedal, accompaniments and hymn tunes. Historical Performance Practice. Contemporary Organ style. Concert Procedures. Recital Performance. Late Intermediate Level. Students are limited to a combined total of four enrollments in MUS 96, 97, 98, and 99.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 112A JAZZ PIANO I
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Recommended Preparation: MUS 54A or demonstrated keyboard proficiency
Exploration and study of basic harmonies at the keyboard as applied to popular music and jazz. Study of improvisational techniques. Students are limited to a combined total of four enrollments in MUS 112A, 112B, and 112C.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 112B JAZZ PIANO II
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Recommended Preparation: MUS 112A or demonstrated keyboard proficiency
Develop advanced harmonic and improvisational techniques and skills designed to enhance their performance of jazz piano. Study of harmonic progressions common to jazz will be included. Designed for intermediate to advanced piano students. Students are limited to a combined total of four enrollments in MUS 112A, 112B, and 112C.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 112C JAZZ PIANO III
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Recommended Preparation: MUS 112B or demonstrated keyboard proficiency
Study techniques for playing solo piano and in a jazz combo including chord voicings and accompaniments for different jazz styles. Includes the study of early to modern styles of jazz piano. Designed for intermediate and advanced piano students. Students are limited to a combined total of four enrollments in MUS 112A, 112B, and 112C.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 117 POPULAR SONGWRITING
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: MUS 1
Explores the popular music songwriting process. Emphasis will be placed on the mechanics of music: rhythm, form, styles, melody and harmony. Students will also explore the relationship between lyrics and music.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 118 DIGITAL MULTI-TRACK MUSIC RECORDING
2.5 Units 2.00 hours Lecture 2.00 hours Lab
Transfers: CSU

Initial exposure to sound-recording principles, techniques, and equipment. Emphasizes multi-track music recording process, editing and mixing. Students will receive hands-on experience with professional 24 track digital recording equipment while the class participates in a variety of recording projects. Students are limited to a combined total of four enrollments in MUS 118, 130, 131, 132, and CTVR 118.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 120 INTRODUCTION TO THE MUSIC INDUSTRY
3.0 Units 3.00 hours Lecture
Transfers: CSU

A survey of the music industry with focus on skill, experience and education needed for careers within the industry. Other topics covered include music publishing, performing rights societies, music licensing, digital distribution, record companies and artist management.
Grading Method: GN - Letter Grade only
NR

MUS 130 MUSIC PRODUCTION I
2.5 Units 2.00 hours Lecture 2.00 hours Lab
Transfers: CSU

An introduction to computerized music creation. Topics will include an overview of the digital audio workstation, software and hardware setup, midi, virtual instruments, drum rack, signal processing and controllers. Emphasis will also be placed on musical elements such as form, style, pitch, melody, harmony and tempo. Students are limited to a combined total of four enrollments in MUS 118, 130, 131, 132, and CTVR 118.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 131 MUSIC PRODUCTION II
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU
Prerequisite: MUS 130

A second-level course in music production. Topics will include audio effects, advanced midi effects, sampling, creating loops, signal routing and advanced controllerism. Emphasis will also be placed on studying and emulating dance music styles. Students are limited to a combined total of four enrollments in MUS 118, 130, 131, 132, and CTVR 118.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 132 INTRODUCTION TO MUSIC TECHNOLOGY
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

An introduction course to basic principals in music technology. Topics will include sound properties, hardware, software, midi, sampling and notation software. Emphasis will also be placed on basic audio and midi editing. Students are limited to a combined total of four enrollments in MUS 118, 130, 131, 132, and CTVR 118.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 140 IMPROVISED MUSIC IN A JAZZ COMBO
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition required with college faculty to demonstrate sight reading, playing scales, and improvising.
Recommended Preparation: Previous instrumental training and demonstrated proficiency in jazz performance and ability to sight read and knowledge of all scales and keys.
Study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. Audition required. Students are limited to a combined total of four enrollments in MUS 140 and 197.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

MUS 146 CONTEMPORARY BIG BAND LITERATURE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty demonstrating ability to sightread, identify and write key signatures, identify and write all major and minor scales, differentiate between major, minor, augmented and diminished, intervals, demonstrate an understanding of all diatonic chords in music, and demonstrate the performance of rhythmic patterns in music.
Recommended Preparation: Previous instrumental training and demonstrated proficiency in jazz performance, ability to sight read and knowledge of all scales and keys.
Performance of contemporary big band literature from the late 20th and early 21st centuries. Interpretation, phrasing, and cultural context of each piece will be addressed and performed. Students are limited to a combined total of four enrollments in MUS 47 and 146.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 185

MUS 147 MID-SIZE AFRICAN-AMERICAN BASED ENSEMBLE JAZZ
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Recommended Preparation: MUS 27 and instrumental technical proficiency
Performance of music influenced by African-American improvised music in both a traditional and experimental scope. Off campus performances required to meet course objectives. Students are limited to a combined total of four enrollments in MUS 147, 148, and 149.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MUS 185

MUS 148 JAZZ ENSEMBLE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition required with college faculty to demonstrate sight reading, playing scales, and improvising.
Studies historically important and current large ensemble jazz music. Provides practical experience in organizing a variety of instrumental combinations. Practice in standard jazz ensemble phrasing and improvisation. The jazz ensemble will perform at different off-campus functions and may perform with nationally-known guest artists. Offered as open-entry/open-exit. Audition Required. Students are limited to a combined total of four enrollments in MUS 147, 148, and 149.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-1

MUS 149 MEDIUM SIZE MALLEABLE JAZZ ENSEMBLE
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with faculty to demonstrate ability to sight read and knowledge of all scales and keys.
Recommended Preparation: MUS 27 and instrumental technical proficiency
Performance of American improvised music by medium sized ensemble in both a traditional and experimental scope. Off campus performances required to meet course objectives. Students are limited to a combined total of four enrollments in MUS 147, 148, and 149.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 150 BASIC ENSEMBLE I
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
An introduction to foundational ensemble performance skills and concepts. Basic preparation for college level ensemble rehearsal and performance environments. Included is an overview of foundational musical pedagogy, notation, and terminology. Students are limited to a combined total of four enrollments in MUS 150, 151, 176, and 177.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 151 BASIC ENSEMBLE II
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Preparation for college ensemble rehearsal and performance environments. Foundational musical pedagogy, notation, and terminology are presented. This course is a continuation of skills learned in Basic Ensemble I. Students are limited to a combined total of four enrollments in MUS 150, 151, 176, and 177.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 152 ENSEMBLE TECHNIQUES FOR PROFESSIONAL MUSICIANS I
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Ensemble Techniques for professional musicians to upgrade their professional and performance skills in ensembles. Focuses primarily on sight reading skills. Students are limited to a combined total of four enrollments in MUS 152, 153, 154, and 155.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 153 ENSEMBLE TECHNIQUES FOR PROFESSIONAL MUSICIANS II
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Ensemble Techniques for professional musicians to upgrade their professional and performance skills in ensembles. Focuses primarily on sound, cohesion and balance. Students are limited to a combined total of four enrollments in MUS 152, 153, 154, and 155.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 154 ENSEMBLE TECHNIQUES FOR PROFESSIONAL MUSICIANS III
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Ensemble Techniques for professional musicians to upgrade their professional and performance skills in ensembles. Focuses primarily on advanced literature. Students are limited to a combined total of four enrollments in MUS 152, 153, 154, and 155.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 155 ENSEMBLE TECHNIQUES FOR PROFESSIONAL MUSICIANS IV
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty to demonstrate ability to read and play music at a high school level.
Ensemble Techniques for professional musicians to upgrade their professional and performance skills in ensembles. Focuses primarily on rehearsal and performance techniques. Students are limited to a combined total of four enrollments in MUS 152, 153, 154, and 155.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 156 ADVANCED PIANO PEDAGOGY
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: MUS 179 or four years of previous piano study
Designed to help the more experienced piano teachers refine their piano teaching techniques. Teaching demonstrations with younger students will be required. Piano literature for the late-intermediate and early-advanced levels will be emphasized. Students are limited to a combined total of four enrollments in MUS 156, 178, and 179.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 166 BAROQUE CHAMBER MUSIC
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Students must be able to sight read and play at a college level.
Baroque Chamber music is designed for pianists, string, woodwind, and brass players to study chamber-music works from the Baroque era. Emphasis will be given to student performances in concerts and recitals. Students are limited to a combined total of four enrollments in MUS 63, 66, 166, 167, 168, 169, and 266.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 167 CONTEMPORARY (20TH & 21ST CENTURY) CHAMBER MUSIC
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Students must be able to sight read and play at a college level.
Contemporary chamber music is designed for pianists, string, woodwind and brass players to study chamber-music works from the Twentieth and Twenty-First Centuries. Emphasis will be given to student performances in concerts and recitals. Students are limited to a combined total of four enrollments in MUS 63, 66, 166, 167, 168, 169, and 266.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 168 ROMANTIC CHAMBER MUSIC
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Students must be able to sight read and play at a college level.
Romantic Chamber Music is designed for pianists, string, woodwind and brass players to study chamber-music works from the Romantic era. Emphasis will be given to student performances in concerts and recitals. Students are limited to a combined total of four enrollments in MUS 63, 66, 166, 167, 168, 169, and 266.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 169 CLASSICAL CHAMBER MUSIC
2.0 Units 1.00 hour Lecture 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Students must be able to sight read and play at a college level.
Classical Chamber Music is designed for pianists, string, woodwind and brass players to study chamber-music works from the Classical era. Emphasis will be given to student performances in concerts and recitals. Students are limited to a combined total of four enrollments in MUS 63, 66, 166, 167, 168, 169, and 266.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 171 BASIC GUITAR
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Studies basic techniques of the guitar. Emphasis will be on music fundamentals as it pertains to basic guitar techniques and the reading of music. Prepares students for further study in classical and/or jazz guitar. Students are limited to a combined total of four enrollments in MUS 60, 61, 62, 171, and 173.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 172 BEGINNING STRINGS
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

An introductory course in Beginning Strings, with instruction in elementary music-reading, repertoire, strings technique, tone production, sight-reading, and performance styles for music and non-music majors at a first-year level.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 173 INTERMEDIATE GUITAR
1.5 Units 1.00 hour Lecture 2.00 hours Lab
Transfers: CSU

Recommended Preparation: MUS 171
Use the basic layout of the guitar to further each student's understanding of the guitar fingerboard through a hands-on approach to the guitar's intermediate vocabulary including more advanced exercises and more challenging repertoire. A deeper look into the application of music theory to the guitar fingerboard and an introduction on how to improvise a guitar solo will also be explored. Students are limited to a combined total of four enrollments in MUS 60, 61, 62, 171, and 173.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 176 FUNCTIONAL SKILLS FOR PIANISTS I
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: MUS 54B or demonstrated proficiency
Sight-reading, scales and etudes, special technique, beginning figured bass, short cadenzas, simple jazz 4-way close, simple c-clef and open score reading; beginning improvisation and functional harmony. Recommended for students intending to transfer as piano majors. Students are limited to a combined total of four enrollments in MUS 150, 151, 176, and 177.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 177 FUNCTIONAL SKILLS FOR PIANISTS II
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: MUS 176 or demonstrated proficiency
Advanced sight-reading, scales and etudes, special technique, intermediate figured bass, full cadenzas, jazz 4-way close with texture development, intermediate c-clef and open score reading; improvisation and functional harmony. Recommended for students intending to transfer as piano majors. Functional Skills II is a continuation of Functional Skills I. Students are limited to a combined total of four enrollments in MUS 150, 151, 176, and 177.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 178 BEGINNING PIANO PEDAGOGY
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: Two years of piano study
Studies piano pedagogy techniques to enhance the musical development of the beginning student. Includes approaches to teaching children and adults, explores the history of piano method books and the most effective teaching methods used today. This course is offered for music major students as well as community teachers who wish to improve and refine their teaching style. Students are limited to a combined total of four enrollments in MUS 156, 178, and 179.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 179 INTERMEDIATE PIANO PEDAGOGY
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Recommended Preparation: Three years of previous piano study or MUS 178
Designed to study the art of piano teaching for the intermediate student. Demonstrates the most effective teaching methods used today and emphasizes the technical and interpretive styles of the four major music periods. Includes approaches to teaching children and adults with guidance from the instructor. This course is offered for music major students as well as community teachers who wish to improve and refine their teaching style. Students are limited to a combined total of four enrollments in MUS 156, 178, 179.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 180WE COMMERCIAL MUSIC WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU

Provides hands-on experience for students in Commercial Music. Includes direct application of theory in music business, commercial music performance and music technology (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

MUS 181 KEYBOARD LITERATURE AND INTERPRETATION - ROMANTIC TO MODERN
3.0 Units 2.50 hours Lecture 2.00 hours Lab
Transfers: CSU

Recommended Preparation: MUS 55A or 78 or demonstrated equivalent piano proficiency
Keyboard Literature of the Romantic, Impressionistic and Modern Periods, their performance traditions and interpretation. Expands knowledge of keyboard music history and its performance legacy. Students are limited to a combined total of four enrollments in MUS 58, 78, 181, 253, 255, and 257.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 182 SOUL MUSIC ENSEMBLE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Limitation on Enrollment: Skills or performance: Student must perform at college level and sight read various soul music genres. Courses without an audition requirement include: MUS 1, 54A, or 60.
Rehearsal and performance of soul music with a concentration on artists from the 1960s and 1970s. Additional focus on live sound, marketing and promotion. Open to instrumentalists, midi instruments/controllers, vocalists, emcees and DJs. Public performance required. Students are limited to a combined total of four enrollments in MUS 39, 182, 184, and 187.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 184 ELECTRONIC MUSIC ENSEMBLE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Limitation on Enrollment: Skills or performance: Student must perform at college level create electronic music from various genres. Courses without audition requirement include: MUS 1, 54A, or 60.
Rehearsal and performance of electro-acoustic material with a focus on current electronic genres. Open to instrumentalists, midi instruments/controllers, vocalists, emcees and DJs. Additional focus on live sound for electronic music and genre-specific marketing and promotion. Public performance required. Students are limited to a combined total of four enrollments in MUS 39, 182, 184, and 187.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 187 MODERN ROCK AND POP MUSIC ENSEMBLE
2.0 Units 2.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Limitation on Enrollment: Skills or performance: Student must perform at college level and sight read various genres. Courses without audition requirement include: MUS 1, 54A or 60.
Rehearsal and performance of current popular music. Open to instrumentalists, midi instruments/controllers, vocalists, emcees and DJs. Additional focus on sound reinforcement and the business aspects of live performance. Public performance required. Students are limited to a combined total of four enrollments in MUS 39, 182, 184, and 187.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 190 JAZZ IMPROVISATION II
3.0 Units 3.00 hours Lecture 1.00 hour Lab
Transfers: CSU

Limitation on Enrollment: Instructor permission to ensure that students have the jazz improvisational and theoretical knowledge and skills to succeed in the course expectations.
Recommended Preparation: MUS 10 or MUS 46
Study of jazz theory, transcription and historically important improvisers. Introduction to melodic minor scale theory, harmonic minor scale theory, modes from other cultures (Egyptian, Japanese, Persian, Indian, Afghan, and others). Also introduces music from the Lennie Tristano School; melodic, harmonic, and improvisatorially. Students are limited to a combined total of four enrollments in MUS 46 and 190.
Grading Method: GN - Letter Grade only
NR

MUS 195 REHEARSAL AND PERFORMANCE (INSTRUMENTAL)
1.0 Unit 3.00 hours Lab
Transfers: CSU

Recommended Preparation: Previous instrumental training and demonstrated proficiency in a performing ensemble (wind ensemble, orchestra, string orchestra) at a minimum of a high school level with ability to sight read and knowledge of all scales and keys.
Emphasizes the preparation of productions for public performance throughout the semester. Offered as open-entry/open-exit. Formerly MUS 295.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 197 REHEARSAL AND PERFORMANCE (JAZZ STUDIES)
1.0 Unit 3.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition with college faculty: Students will perform a musical selection on given instrument, demonstrate proficiency in interpretative musical styles, and demonstrate technical proficiency on given instrument. Performance audition requires ability to sight-read.
Recommended Preparation: Previous instrumental training in jazz performance, ability to sight read and knowledge of all scales and keys.
Emphasizes the preparation and production of jazz combos in public performance. Students are limited to a combined total of four enrollments in MUS 140 and 197.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-3

MUS 280 INTRODUCTION TO COMMUNITY MUSIC TEACHING
3.0 Units 3.00 hours Lecture

This course introduces the fundamentals of teaching music in community-based settings, including private studios, after-school programs, recreational centers, and nonprofit arts organizations. Students will explore core pedagogical approaches, lesson planning, classroom management, and strategies for engaging diverse learners of all ages. Emphasis is placed on workforce readiness for entry-level positions as private music instructors, community teaching artists, and program assistants. This course serves as a foundation for further study in music education, pedagogy, and arts leadership.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 281 PRIVATE STUDIO PEDAGOGY & BUSINESS PRACTICES
3.0 Units 3.00 hours Lecture

Recommended Preparation: MUS 280
This course provides the pedagogical and business foundations for developing and sustaining a successful private music teaching studio. Students will learn effective instructional strategies for individual and small-group lessons, including curriculum design for different ages and skill levels, student assessment, and approaches to motivation and retention. The course also covers business essentials such as creating studio policies, scheduling, marketing, financial management, and tax/legal considerations for independent instructors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

MUS 282 GROUP MUSIC INSTRUCTION METHODS
2.5 Units 2.00 hours Lecture 1.50 hours Lab

Recommended Preparation: MUS 280
This course provides students with the pedagogical skills and practical strategies needed to design and deliver group-based music instruction in community, educational, and studio settings. Emphasis is placed on adapting teaching approaches for diverse age groups and skill levels, classroom management techniques, curriculum design, and assessment of student learning in ensemble and small-group environments. Students will also explore strategies for integrating technology, fostering inclusive participation, and aligning instruction with community and institutional needs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Nursing [N]

N 160 PHARMACOLOGY FOR NURSING
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: BIO 12
Recommended Preparation: BIO 11
The focus of this course is safe administration of drug therapy for nursing. covered topics are: Principles of therapeutic pharmacology, Drug names, classifications, Safe drug administration, Nursing assessments, interventions, and patient education associated with drug therapy.
Grading Method: GN - Letter Grade only
NR

N 161 LIFECYCLE 2, GROWTH AND DEVELOPMENT
1.5 Units 1.50 hours Lecture
Transfers: CSU
The second course in life span growth and development which examines developmental tasks and needs from prenatal and birth through middle age, including environmental and family factors that influence growth and development. Major developmental theories are addressed at each level of growth and development. Physiologic concepts, self concept, social behaviors and concepts of diversity and culture for individuals and families from diverse cultural groups within the United States are integrated.
Grading Method: GN - Letter Grade only
NR

N 162 SUCCESSFUL TRANSITION TO PROFESSIONAL NURSING
1.0 Unit 1.00 hour Lecture
Transfers: CSU
Prerequisite: BIO 11, BIO 12, BIO 15 and ENGL C1000 or ENGL C1000H
Corequisite: N 162L
Limitation on Enrollment: LVN with 1 year experience or transfer/international RN student. Must be completed within 3 semesters of entry into nursing program.
Addresses strategies for successful completion of the nursing program. Provides theory base and practice with study skills and test taking, critical thinking, use of information technology, the role of the registered nurse, nursing process, and effective and therapeutic communication. Includes practice of nursing skills in a simulated clinical learning environment in preparation for competency testing. Includes practice and competency testing in physical assessment, intravenous medication administration, medication math competency, and application of nursing process.
Grading Method: GN - Letter Grade only
NR

N 162L SUCCESSFUL TRANSITION TO PROFESSIONAL NURSING LAB
0.5 Unit 1.50 hours Lab
Transfers: CSU
Corequisite: N 162
Limitation on Enrollment: LVN with 1 year experience or transfer/int'l RN student. Complete within 3 semesters of entry into nursing program.
Allows students to practice nursing skills in a simulated clinical learning environment in preparation for competency testing. It includes practice and competency testing in the following nursing skills: injections, urinary catheterization, physical assessment, intravenous medication administration, medication math competency, and application of nursing process.
Grading Method: GN - Letter Grade only
NR

N 164L LVN TO RN CLINICAL LAB
1.5 Units 4.50 hours Lab
Transfers: CSU
Prerequisite: N 162
Limitation on Enrollment: Current LVN License, minimum of 1 year experience as an LVN, American Heart BLS certified, IV certification, physical exam and immunizations, TB test, malpractice insurance, background check
Recommended Preparation: N 245NC
This clinical lab class allows prospective LVN-RN students to apply nursing process and specific nursing skills learned in N 162 (Successful Transition to Professional Nursing) to the care of adult medical surgical patients. Students will be guided in completing pre-clinical work-ups, care maps, bedside nursing assessments, medication administration (including IV), and professional role transition.
Grading Method: PN - Pass/No Pass
NR

N 165 LIFECYCLE 1, FUNDAMENTALS OF AGING
1.5 Units 1.50 hours Lecture
Transfers: CSU
This course is a multidisciplinary introduction to aging emphasizing the adaptive behaviors of normal aging, and focusing on physical and psychosocial changes. Includes the variables of financial resources, legal aspects, socialization needs, and cultural differences within the U.S., healthcare issues, and current concerns involving the older adult.
Grading Method: GN - Letter Grade only
NR

N 170 NURSING PROCESS
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: BIO 11, BIO 12, BIO 15 with a grade of "C" or better and ENGL C1000 or ENGL C1000H and official admission to the nursing program
Corequisite: N 170L
Limitation on Enrollment: Official admission to the nursing program.
Recommended Preparation: Completion of or concurrent enrollment in N160 and 165 with a grade of "C" or better
Provides the theoretical base for application of the nursing process at a beginning level. The focus is on providing patient centered care in the adult medical-surgical and community settings. Knowledge of the nursing practice and professional standards, evidence based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members are introduced. Principles of physical and psychosocial assessment, pharmacology and nutrition, professional and therapeutic communication, and health teaching are emphasized. The following concepts are integrated: diversity among US cultural groups, geriatric nursing, disease process and illness prevention, restorative care, end of life care, and the values and attitudes required of the professional registered nurse.
Grading Method: GN - Letter Grade only
NR

N 170L NURSING PROCESS LAB
4.5 Units 13.50 hours Lab
Transfers: CSU
Prerequisite: BIO 11, BIO 12, BIO 15 with a grade of "C" or better and ENGL C1000 or ENGL C1000H and official admission to the nursing program
Corequisite: N 170
Limitation on Enrollment: Official admission into the nursing program.
Recommended Preparation: Completion of or concurrent enrollment in N 160 and 165 with a "C" or better
Provides application of the nursing process at a beginning level. The focus is on patient centered care in adult medical surgical and community settings. The following concepts are emphasized within clinical settings: knowledge of nursing practice and professional standards, evidence based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members, physical and psychosocial assessment, pharmacology and nutrition, professional and therapeutic communication and health teaching. The following concepts are integrated: diversity among US cultural groups, geriatric nursing, disease process and illness prevention, restorative care, end of life care, and the values and attitudes required of the professional registered nurse.
Grading Method: PN - Pass/No Pass
NR

N 171 MENTAL HEALTH NURSING
2.0 Units 2.00 hours Lecture
Transfers: CSU
Prerequisite: N 170
Corequisite: N 171L
Limitation on Enrollment: Official admission to the nursing program:1. Completion of program application2. Completion of required ATI Tests of Essential Academic Skills (TEAS)3. Current physical exam4. Current approved CPR Basic Life Support certification5. Current liability insurance6. Current background check
Recommended Preparation: PSYC C1000 or PSYC C1000H and completion of or concurrent enrollment in N160 and N165 with a grade of a "C" or better
Provides the theoretical base for application of the nursing process and biopsychosocial concepts for patients affected by mental disorders. Focus on patient centered care in psychiatric and community mental health settings. Knowledge of nursing practice and professional standards, evidence based practice, safety/quality improvement, informatics and team collaboration are introduced. Emphasis will be on principles of mental health nursing, psychosocial assessment, therapeutic communication, pharmacology, health promotion, education, nutrition, diversity among US cultural groups, human development across the lifespan, disease process, illness prevention, community health, advocacy, legal/ethical implications, and the values and attitudes required of the registered nurse. Letter grade only.
Grading Method: GN - Letter Grade only
NR

N 171L MENTAL HEALTH NURSING LAB
1.0 Unit 3.00 hours Lab
Transfers: CSU
Prerequisite: N 170
Corequisite: N 171
Limitation on Enrollment: Official admission to the nursing program:1. Completion of program application2. Completion of required ATI Tests of Essential Academic Skills (TEAS)3. Current physical exam4. Current approved CPR Basic Life Support certification5. Current liability insurance6. Current background check
Recommended Preparation: PSYC C1000 or PSYC C1000H and completion of or concurrent enrollment in N160 and N165 with a grade of a "C" or better
Application of the nursing process and biopsychosocial concepts for patients affected by mental disorders. Focus on patient centered care in psychiatric and community mental health settings. Knowledge of nursing practice and professional standards, evidence based practice, safety/ quality improvement, informatics and team collaboration are introduced. Emphasis will be on principles of mental health nursing, psychosocial assessment, therapeutic communication, pharmacology, health promotion, education, nutrition, diversity among US cultural groups, human development across the lifespan, disease process, illness prevention, community health, advocacy, legal/ethical implications, and the values and attitudes required of the registered nurse.
Grading Method: PN - Pass/No Pass
NR

N 172 MEDICAL-SURGICAL NURSING

3.5 Units 3.50 hours Lecture

Transfers: CSU

Prerequisite: N 160, N 165, N 170 and N 171 with a grade of "C" or better

Corequisite: N 172L

Limitation on Enrollment: Admission to the nursing program

Recommended Preparation: HSC 228N 212

Provides theory of nursing process to care for moderately complex, adult patients in medical-surgical and community settings. Focuses on patient centered care, application of nursing practice and professional standards, evidenced based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members. Pathophysiology, physical and psycho-social needs for moderately complex adults with respiratory, endocrine, renal, musculoskeletal, immunity, cardiac, neurological and gastrointestinal dysfunction are emphasized. The following concepts are integrated: diversity among US cultural groups, geriatric nursing, disease process and illness prevention, restorative care, end of life care, and the values and attitudes required of the professional registered nurse.

Grading Method: GN - Letter Grade only

NR

N 172L MEDICAL-SURGICAL NURSING LAB

5.0 Units 15.00 hours Lab

Transfers: CSU

Prerequisite: N 160, N 165, N 170 and N 171 with a grade of "C" or better

Corequisite: N 172

Limitation on Enrollment: Admission to nursing program

Recommended Preparation: HSC 228N 212

Application of the nursing process to care for moderately complex, adult patients in medical-surgical and community settings. Focuses on providing patient centered care, application of nursing practice and professional standards, evidenced based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members. Principles of pathophysiology, physical and psychosocial needs for moderately complex adults with respiratory, endocrine, renal, musculoskeletal, immunity, cardiac, neurological and gastrointestinal dysfunction are emphasized. The following concepts are integrated: diversity among US cultural groups, geriatric nursing, disease process and illness prevention, restorative care, end of life care, and the values and attitudes required of the professional registered nurse.

Grading Method: PN - Pass/No Pass

NR

N 173 NURSING CARE OF CHILDREN AND FAMILIES

1.5 Units 1.50 hours Lecture

Transfers: CSU

Prerequisite: N 161 and N 172with a grade of "C" or better

Corequisite: N 173L

Limitation on Enrollment: Official admission to the nursing program; Tb test negative; If Tb test positive must have negative chest x-ray and symptoms evaluation

Recommended Preparation: HSC 228 and N 245

Provides the theoretical basis for integration of the nursing process to care for neonates, infants, children and adolescents and their families. The focus is on providing family centered care, the application of nursing practice and professional standards, evidence based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members. Nutrition, medication/fluid administration, physiology, growth and development, comfort/pain management advocacy, and community based care are emphasized. The following concepts are integrated: diversity among US cultural groups, disease process and illness prevention, restorative care, and the values and attitudes required of the professional registered nurse. Letter grade only.

Grading Method: GN - Letter Grade only

NR

N 173L NURSING CARE OF CHILDREN AND FAMILIES LAB

2.0 Units 6.00 hours Lab

Transfers: CSU

Prerequisite: N 161 and N 172 with a grade of "C" or better

Corequisite: N 173

Limitation on Enrollment: Official admission to the nursing program

Recommended Preparation: HSC 228 and N 245

Focuses on integration and application of the nursing process to care for neonates, infants, children and adolescents and their families. Providing family centered care, the application of nursing practice and professional standards, evidence based practice, safety and quality improvement, nursing informatics and effective collaboration with health care team members. Developmental assessment / approach, health promotion / illness prevention, assessment and management of acute and chronic illness, nutrition, pharmacology, growth and development, comfort/pain management, advocacy, diversity, and addressing family based needs needs are integrated. The behaviors and attitudes required of the professional nurse are ongoing themes.

Grading Method: PN - Pass/No Pass

NR

N 174 WOMEN'S HEALTH NURSING
1.5 Units 1.50 hours Lecture
Transfers: CSU
Prerequisite: N 173 with a grade of "C" or better
Corequisite: N 174L
Limitation on Enrollment: official admission to the nursing program.
Provides the theoretical basis for integration of the nursing process to care for women, newborns and to their families/ significant others. The focus is on providing family centered care while applying nursing practice and professional standards, evidence based practice, safety and quality improvement, nursing informatics and effective health care team collaboration. Nutrition, medication/fluid administration, physiology, development, pain management and advocacy are emphasized. The following concepts are integrated: US cultural group diversity, legal/bioethical considerations, health promotion, disease process and illness prevention, restorative care, end of life care and the values and attitudes required of the professional registered nurse. Letter grade only.
Grading Method: GN - Letter Grade only
NR

N 174L WOMEN'S HEALTH NURSING LAB
2.0 Units 6.00 hours Lab
Transfers: CSU
Prerequisite: N 173 with grade of "C" or better
Corequisite: N 174
Limitation on Enrollment: Official admission to the nursing program.
Focuses on integration and application of the nursing process to care for women, newborns, and families/ significant others. The focus is on providing family centered care, application of nursing practice and professional standards, evidence-based practice, safety and quality improvement, nursing informatics and effective health care team effective collaboration with health care team members. Nutrition, medication/ fluid administration, physiology, growth and development, comfort/pain management, and advocacy are emphasized. The following concepts are integrated: diversity among US cultural groups, disease process and illness prevention, restorative care, end of life care, and the values and attitudes required of the professional nurse.
Grading Method: PN - Pass/No Pass
NR

N 176 ADVANCED NURSING
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: N 174 with a "C" grade or better
Corequisite: N 176L
Limitation on Enrollment: Admission to the nursing program
Recommended Preparation: HSC 217, 226
Provides the theoretical basis for integration of the nursing process to care for acutely and critically ill adults. Emphasizes pathophysiology and the biopsychosocial needs for acutely ill adults with: cardiovascular, respiratory renal, neurological, gastrointestinal, endocrine and complex multisystem dysfunction. Principles of leadership and management, professional development, scope of practice, legal and ethical issues, principles of nutrition, the role of the nurse in the community and transition to the role of a registered nurse are integrated throughout the course. Concepts of diversity and culturally competent care for cultural groups in the United States are presented.
Grading Method: GN - Letter Grade only
NR

N 176L ADVANCED NURSING LAB
5.0 Units 15.00 hours Lab
Transfers: CSU
Prerequisite: N 174 with a grade of "C" or better
Corequisite: N 176
Recommended Preparation: HSC 217 and 226
Focuses on the application and integration of the nursing process to care for acutely and critically ill adults in a variety of acute care settings. Through clinical rotations, community health experiences and preceptorship, students appraise and model principles of leadership and management, scope of practice, legal and ethical issues, principles of nutrition, the role of the nurse in the community and transition to the role of a registered nurse.
Grading Method: PN - Pass/No Pass
NR

N 202 SUCCESS STRATEGIES IN NURSING
1.0 Unit 1.00 hour Lecture
Limitation on Enrollment: Official admission to the nursing program is needed as course is designed to be a support course to promote success in N170 and prepare for N172.
Develops strategies to be a successful student in the nursing program. Assesses personal aptitudes, learning and communication styles as barriers to successful completion of the nursing program. Develops skills to proactively meet the student's learning needs.
Grading Method: PN - Pass/No Pass
NR

N 204 BEGINNING NURSING CONCEPTS
2.0 Units 2.00 hours Lecture

Introduces the theoretical basis of nursing and healthcare to provide knowledge to students considering a nursing career and to instill a successful transition into the student nurse role. Emphasis is placed on Saddleback College nursing program's conceptual-nursing-process framework and program entrance requirements. Students explore principles of critical thinking, clinical judgment and clinical reasoning. Integrated concepts include: evolution of nursing, legal and ethical issues in health care, professional nursing practice, leadership in nursing, cultural awareness, nursing informatics, quality and safety in health care, communication, disease prevention, and role options of the professional nurse.
Grading Method: GN - Letter Grade only
NR

N 212 LABORATORY VALUES, INTERPRETATION AND APPLICATION
1.5 Units 1.50 hours Lecture

Provides the theoretical basis for the interpretation and application of laboratory test results for adult medical-surgical clients with moderately complex diseases/disorders in acute care facilities. Emphasis is on laboratory results of moderately complex clients with respiratory, endocrine, renal, musculolskeletal, cardiac, neurological, gastrointestinal, and immune diseases/disorders. Principles of nutrition, drug therapy, health education, concepts of diversity and culturally competent care for individuals from cultural groups within the United States are integrated.
Grading Method: GN - Letter Grade only
NR

N 238 PERIOPERATIVE NURSING I
10.0 Units 3.00 hours Lecture 21.00 hours Lab

Limitation on Enrollment: Current or pending RN license, current CPR card, and current malpractice insurance
Perioperative nursing theory and practice necessary for entry level into the operating room. Focuses on utilization of the nursing process to provide care for clients undergoing surgical intervention. Provider approved by the California Board of Registered Nursing, Provider Number CEP60.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

N 245 I.V. THERAPY TECHNIQUES FOR NURSES
1.5 Units 1.50 hours Lecture

Prerequisite: N 170, or licensed registered nurse in the State of California

The focus of this course is to prepare the student for initiation, administration and maintenance of common intravenous therapies. Emphasis is placed on IV therapies common to adult patients in the medical-surgical setting. The course is appropriate for nursing students who have successfully completed N 170 and for current California licensed RNs needing a refresher.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

N 280 NURSING CAREPLANS AND MAPS
1.0 Unit 1.00 hour Lecture

Assists nursing students who want a more in-depth study of the nursing process including the creation of nursing careplans and maps. Focuses on the biopsychosocial needs of case study patients including assessment and the formation of appropriate nursing diagnosis, goals, nursing intervention, and evaluation. Use of APA formatting will be reviewed. Intended for the student who is already enrolled in a nursing program.
Grading Method: PN - Pass/No Pass
NR

Nutrition [NUTR]

NUTR 50 FUNDAMENTALS OF NUTRITION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A comprehensive analysis of the principles of nutrition and their relationship to health throughout the life cycle. Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on the needs of the individual (formerly FN 50).
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: NUTR 110

NUTR 64 NUTRITION ISSUES AND CONTROVERSIES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Stresses a topical approach to nutrition and related health conditions with emphasis on evaluation of controversial views and findings. Investigates problems related to food choices, energy balance, over-consumption of foods, food and diet fads and fallacies, nutrient needs, nutrient supplements, food safety, nutrition legislation and current dietary trends (formerly FN 64).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 106 CULTURAL ASPECTS OF FOOD AND NUTRITION

3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: NUTR 50
This course examines the diverse regional, ethnic, cultural, religious, historical and social influences on food patterns and health outcomes, covering topics ranging from cultural foodways and health disparities to practical skills for working with diverse populations. Traditional foods of geographic areas and cultures, global food issues and food availability, dietary and culinary habits, religious influences, and an overview of nutritional problems of ethnic groups will be discussed. This course is intended to prepare our diverse student population to be socially and culturally competent in careers in nutrition and dietetics, public health, culinary arts and hospitality, and food policy and social justice fields.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 160 NUTRITION, WEIGHT MANAGEMENT, AND EATING DISORDERS

3.0 Units 3.00 hours Lecture
Transfers: CSU

Sound principles of weight management and nutritional concerns of eating disorders. Investigates and evaluates weight-control methods, food fads, fallacies, basic nutritional needs, and recommended lifestyle changes. Current approaches to nutritional care and treatment of eating disorders will be covered. Emphasizes application of nutrition principles for eating disorder counselors and nutrition professionals in the counseling setting. (formerly FN 160)
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 161 CLINICAL NUTRITION

3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: NUTR 50

A comprehensive study of the nutrition therapy principles that influence and contribute to development of chronic diseases. Diets will be formulated for appropriate clinical conditions and disease states, such as diabetes, heart disease, cancer and obesity. Scientific concepts of therapeutic nutrition related to the function of nutrients in disease processes and current health issues with emphasis on the needs of the individual for wellness (formerly FN 161).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 164 SPORTS NUTRITION

3.0 Units 3.00 hours Lecture
Transfers: CSU

Overview of basic nutrition concepts for individuals interested in sports, fitness, and health. Emphasis on current nutrition practices related to athletic performance. Covers energy and nutrient needs, hydration and hyponatremia, specific activity recommendations, supplementation guidelines, NCAA guidelines, collegiate athletics, body composition, and application (formerly FN 164).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 165 CAREERS IN NUTRITION AND DIETETICS

1.0 Unit 1.00 hour Lecture
Transfers: CSU

Explore the field of nutrition and dietetics including employment opportunities, internship options, networking tactics, resume building, and trends in the field that may impact future careers. Guest speakers and field trips to nutrition service sites in health care and community agencies are included. Student will identify specific career opportunities of interest in the field of nutrition and dietetics (formerly FN 165).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 169 LIFECYCLE NUTRITION

3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: NUTR 50

An in-depth analysis of the relationship of nutrition to growth and development from prenatal stages through senescence. Covers the function of nutrients in basic life processes and health issues related to insufficient or excessive amounts of nutrients. Dietary guidelines and methods of analysis of a healthy diet throughout the lifespan will be taught, with a focus on social, cultural, economic and environmental conditions that influence nutrition (formerly FN 169).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 180WE NUTRITION WORK EXPERIENCE

2.0 Units 6.00 hours Learning Center
Transfers: CSU

Students learn professional principles in industry and healthcare environments which allow for individual application in a variety of settings (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

NUTR 206 SUSTAINABLE NUTRITION AND FOOD SYSTEMS

3.0 Units 3.00 hours Lecture

A comprehensive study of the effects of food production and consumption on sustainability and our environment. Achieving a healthy and sustainable food future is an urgent matter that depends on global collaborative efforts. Sustainable diets are protective and respectful of biodiversity and ecosystems, culturally acceptable, accessible, economically fair and affordable; nutritionally adequate, safe and healthy; while optimizing natural and human resources. Learn how to plan and develop sustainable diets: food patterns with low environmental impact that contribute to food and nutrition security and to healthy life for present and future generations (formerly FN 206).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

NUTR 208 MOTIVATIONAL INTERVIEWING FOR NUTRITION PROFESSIONALS
1.0 Unit 1.00 hour Lecture

Recommended Preparation: NUTR 50
This course will equip nutrition students with the essential skills of motivational interviewing (MI), a client-centered counseling approach proven to enhance behavior change. Through interactive lectures, role-play, and case studies, students will learn how to apply MI techniques to foster collaboration, strengthen client motivation, and address needed dietary and lifestyle changes. Emphasis is placed on practical strategies for building rapport, eliciting intrinsic motivation, and guiding clients toward sustainable, health-promoting decisions. This course is intended for future dietitians, nutritionists, and other health practitioners seeking to improve communication skills and client outcomes.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Paramedic [PM]

PM 220 PARAMEDIC THEORY
14.0 Units 14.00 hours Lecture

Prerequisite: High school graduation or GED, current EMT-B certification, background check/drug testing, CPR certification, and official admission to the paramedic program and EMT 219, HSC 108, HSC 217 and HSC 228
Corequisite: PM 230
Limitation on Enrollment: Physical examination required
Recommended Preparation: EMT 210, HSC 104, HSC 226, and HSC 227
Contains the didactic material necessary to establish a foundation to practice as a paramedic. Includes applied anatomy and physiology, pathophysiology, intravenous therapy, basic and advanced life support, patient assessment, management of trauma, medical conditions emergency medical system operations and special considerations when caring for patients throughout the life span and those with special challenges.
Grading Method: GN - Letter Grade only
NR

PM 230 PARAMEDIC CLINICAL EXPERIENCE
7.5 Units 23.00 hours Lab

Prerequisite: High school graduate or GED, current EMT-B certification, CPR, background check and official admission to the paramedic program
Corequisite: PM 220
Limitation on Enrollment: Physical examination required
Skills assessment and hospital clinical requirements for students enrolled in the paramedic program.
Grading Method: GN - Letter Grade only
NR

PM 240 PARAMEDIC FIELD INTERNSHIP
12.0 Units 36.00 hours Lab

Prerequisite: PM 220 and PM 230

Under the direct supervision and evaluation of a licensed paramedic, students will complete a field internship experience on a designated advanced life support unit. This provides students with prehospital patient care experience and is the last course in the series preparing the student for licensure as a paramedic.
Grading Method: GN - Letter Grade only
NR

Persian [PRSN]

PRSN 1 ELEMENTARY PERSIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in daily spoken modern Persian (Farsi). Emphasizes listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years of high school Persian (Farsi).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PRSN 2 ELEMENTARY PERSIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: PRSN 1or two years of high school Persian/ Farsi

Designed to further the fundamentals of communicative competence in daily spoken modern Persian (Farsi). Focuses on listening, comprehension, and speaking. Reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PRSN 3 INTERMEDIATE PERSIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: PRSN 2or three years of high school Persian

Reviews the fundamentals with further study of the Persian language, culture, and customs. Intermediate level course focuses on fluency in reading, writing, speaking and listening.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PRSN 4 INTERMEDIATE PERSIAN
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: PRSN 3 or four years of high school Persian

Emphasizes fluency in speaking, reading, writing, and comprehension of Persian. Includes selected readings and discussions from the basic four genres in Persian and Persian-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PRSN 21 INTRODUCTION TO PERSIAN CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Recommended Preparation: College level reading ability
Traces the development of the culture of Persian-speaking nations including history, philosophy, political ideas, literature, music, arts, science, geography, and customs and its influence on the United States and the World. Conducted in English. No prior study of the Persian Language or culture is required.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Philosophy [PHIL]

PHIL 1 INTRODUCTION TO PHILOSOPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Investigates many of the major philosophical themes within the Western tradition. Among these themes will be the nature of the self, free will and determinism, the ground and nature of human knowledge, the nature of human values, ethical theory, aesthetic value, and the nature of society in relation to the individual. Other topics include the nature and methods of the sciences, philosophical psychology and the theory of language. Credit may be earned for either PHIL 1 or PHIL 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHIL 100

PHIL 1H HONORS INTRODUCTION TO PHILOSOPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Investigates many of the major philosophical themes within the Western tradition. Among these themes will be the nature of the self, free will and determinism, the nature of mind and consciousness, the ground and nature of human knowledge, the nature of human values, ethical theory, aesthetic value, and the nature of society in relation to the individual. Other topics include the nature and methods of the sciences, philosophical psychology and the theory of language. The honors course emphasizes a seminar rather than lecture format for study of primary sources, an increased reliance on peer-reviewed articles, and research assignments that allow the student to pursue topics of individual interest. Credit may be earned for either PHIL 1 or 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHIL 100

PHIL 5 HISTORY OF MODERN PHILOSOPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A survey of the major trends in Western philosophical thought from the 16th century to the 18th century. Major figures will include Descartes, Locke, Hume, and Kant. The course will focus on the transition from a pre-modern to a modern worldview as it is reflected in Western philosophy. Students will investigate the powers and limits of human reason to understand humanity, language, religion, and the world.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHIL 140

PHIL 10 WORLD RELIGIONS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

A comparative study of some of the major religions of the world including the Buddhist, Confucianist, Hindu, Islamic, Judeo-Christian, Shinto and Taoist traditions. These religions will be explored from a historical standpoint; in addition, the philosophical presuppositions of each view will be discussed. Topics include the nature of human beings, the world, transcendent beings, transcendental experiences, ethics, religious rituals and rites of passage.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHIL 12 INTRODUCTION TO LOGIC
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An examination and analysis of reasoning employed in formal and informal arguments. Arguments will be formulated in class and evaluated for logical structure, validity, and soundness. Topics include the nature of arguments, the inductive-deductive distinction, fallacies, truth tables, and the proof method in sentential logic.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHIL 110

PHIL 14 PHILOSOPHY OF RELIGION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PHIL 1 or PHIL 1H
Introduces the student to the theoretical orientations, central concepts, basic problems, and classical arguments of Western philosophy of religion. The course will systematically clarify and critically analyze a range of topical problems in the philosophy of religion. These include the concept of God, traditional arguments for the existence of God (e.g. the design argument), religious ethics, the problem of evil, and philosophical atheism. Students will engage in theoretical discussions, develop critical reasoning skills, and gain reflective insight into their personal philosophy of religion.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHIL 15 INTRODUCTION TO ETHICS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Acquaints the student with the major concepts and methods of ethical theory within the Western tradition. Topics will include the nature of evaluation, appraisals of the good life, the source and justification of obligations to others, the possible relativity of ethical codes as they vary from culture to culture, and the connection between individual desires and social restraint. Application of these topics to issues of contemporary importance, such as the moral implications of abortion, sexual freedom of expression, changing social roles, the role of religious belief in moral theory, and the social sources of ethical perspectives.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHIL 120

PHIL 16 PHILOSOPHY AND FILM
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Exploration of ways in which films from different eras, genres, and cultures present fundamental philosophical ideas and give expression to philosophical theories and criticism. Although some discussion of the nature of cinema as a form of art may take place, this is not a course on aesthetics or film theory. The class will be devoted to examining ways in which film as a medium and cultural product presents philosophical ideas, subjects them to criticism, and reveals much about the human condition.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Phlebotomy [PHLB]

PHLB 180WE PHLEBOTOMY WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Corequisite: PHLB 240
Limitation on Enrollment: Official acceptance into the MLT Program.
Provides direct patient care experience for students seeking venipuncture certification. Includes on-site experience in obtaining and processing specimens for a clinical laboratory. Leads to certification as a phlebotomist/laboratory assistant (formerly CWE 180).
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

PHLB 240 PHLEBOTOMY
4.0 Units 4.00 hours Lecture
Corequisite: PHLB 180WE
Limitation on Enrollment: Official admission to the Medical Lab Technology program. Current malpractice insurance, TB test results, CPR card, background check required.
Recommended Preparation: HSC 104
A California state approved full training program in phlebotomy. Provides students with a comprehensive knowledge of venipuncture, skin puncture, specimen collection and handling, standard precautions, laboratory safety, and basic medical terminology. Concepts of diversity and culturally competent care for individuals from culture groups within the United States are integrated.
Grading Method: GN - Letter Grade only
NR

Photography [PHOT]

PHOT 25 HISTORY OF PHOTOGRAPHY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
A survey of the history of photography from its origins to the present. An examination of critical and philosophical approaches to the photographic medium.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 50 DIGITAL PHOTOGRAPHY I
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Introduction to digital photography to cover technical and aesthetic aspects. Includes operation of camera and lenses and photographic software. Fundamentals of composition, light, and portraiture are covered. Field trips may be required to meet course requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 51 INTRODUCTION TO PHOTOSHOP AND DIGITAL IMAGING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Recommended Preparation: CIM 120 or basic operational knowledge of a computer
An introduction to digital imaging using Adobe Photoshop software on the computer. The course will cover the various equipment and techniques utilized in the production of digital imagery for sale, as a provided service, or for personal use. Techniques will include scanning, image manipulation, and various print and output options. Aesthetic issues and their relationship to photography will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 55 DIGITAL PHOTOGRAPHY II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PHOT 50
Designed for further exploration of photographic imagery and techniques. Electronic flash, wide angle, and telephoto lenses are utilized. Continued refinement of photographic software, image management and workflow. Work is executed in color and black and white.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 152 INTERMEDIATE PHOTOSHOP AND DIGITAL IMAGING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 51
Recommended Preparation: PHOT 50
An intermediate-level course in photographic manipulation using Adobe Photoshop to create digital work for sale, services, or personal use. Relevant technical and aesthetic issues will be covered. Scanning and inkjet printing included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 153 ADVANCED PHOTOSHOP & DIGITAL IMAGING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 152
Recommended Preparation: PHOT 50
An advanced level course in photographic manipulation using Adobe Photoshop and third party plug-ins. Relevant technical and aesthetic issues will be covered. Large format and alternative media inkjet printing will also be included.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 154 ALTERNATIVE DIGITAL PROCESSES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Recommended Preparation: PHOT 51
An intermediate level course that explores analog and digital photography based techniques used to create unique art works for sale. The course covers technical services related to digital printing on alternative media, image lifts, transfers, photographic multimedia and assemblage. The course also includes scanning of positive and negative images and 3D objects. Book and portfolio presentation are also covered. Macintosh lab environment utilizing Adobe software.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 156 DIGITAL PHOTOGRAPHY III
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 55

Emphasis on creating visual imagery through advanced photographic techniques. Includes fundamentals of lighting with electronic flash systems. Focus consists of conceptual photography, portraiture, and personal portfolio development. Continued refinement of photographic software techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 157 STUDIO LIGHTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 50

Recommended Preparation: PHOT 55
An introductory level course in photographic studio lighting intended for the advanced photographer who wants to sell images, provide commercial services, or just improve their photography. Covers lighting equipment and its application in a studio environment. Includes technical and aesthetic instruction with single and multiple light setups, lighting styles, and subject compositional concerns. Manually adjustable digital camera required. Macintosh lab, utilizing Adobe software.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 167 CREATIVE PHOTOGRAPHIC LIGHTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 50

Recommended Preparation: PHOT 55
Exploration of various lighting styles and techniques used in contemporary photography. Utilization of specialized lighting equipment both in and out of studio, with emphasis on event and location specific photographic lighting.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 177 PORTRAITURE PHOTOGRAPHY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 50

Recommended Preparation: PHOT 55
An exploration of various styles and techniques used in contemporary portraiture intended for portrait sales, services, and personal photographic growth. Essential basics of lighting (natural and artificial), composition, and direction will be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHOT 190 SPECIAL PROBLEMS IN PHOTOGRAPHY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: PHOT 50

Continued exploration of photographic concepts, styles, and genres. Includes further development of creative and technical abilities utilizing specific lenses, methods, and equipment.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Physics [PHYS]

PHYS 2A INTRODUCTION TO PHYSICS
5.0 Units 4.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: MATH 124
Recommended Preparation: PHYS 20 or high school physics
A study of mechanics, vibration and waves, fluids, and thermodynamics. Topics include kinematics and dynamics in one and two dimensions, Newton's Laws of motion, energy and momentum, conservation principles, statics, kinematics and dynamics of rotation, elasticity, Hook's Law, simple harmonic motions, wave behavior, interference and standing waves, properties of fluids, Pascal's and Bernoulli's principles, temperature, heat calorimetry, the gas laws, and the laws of thermodynamics. Intended for students in the sciences and related subjects who are required to complete a physics course based on trigonometry.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHYS 105

PHYS 2B INTRODUCTION TO PHYSICS
5.0 Units 4.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PHYS 2A
A continuation course from PHYS 2A. Study of electrostatics, electromagnetism, optics atomic and nuclear physics. Topics include electric charge, fields, circuits, electromagnetic induction, electromagnetic waves, electric applications, lenses and mirrors, wave optics, optical applications, waves and particles, special relativity, the Bohr atom, quantum concepts, the nucleus, nuclear processes and energy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHYS 110

PHYS 4A GENERAL PHYSICS
5.0 Units 4.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: MATH C2210 or MATH C2210H
Recommended Preparation: CS 1A and PHYS 20 or high school physics
A calculus-based introduction to classical mechanics of solids and fluids. The main topics are kinematics, Newtonian mechanics including translational and rotational statics and dynamics, universal gravitation, work, energy, momentum, fluid statics, dynamics, and oscillations. Experiments in lab examine the basic laws of the mechanics of solids and fluids. Objectives include the use of common measuring instruments, the principles of data taking and analysis, and the writing of scientific reports.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHYS 205

PHYS 4B GENERAL PHYSICS
5.0 Units 4.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PHYS 4A and MATH C2220
A calculus-based introduction to classical electromagnetism. Topics include electrostatics, electric potential, capacitance, electrodynamics, direct and alternating current circuits, magnetic forces and fields, fields, electromagnetic induction, Maxwell's equations, and electromagnetic waves. Experiments in labs examine some of the basic phenomena in electromagnetism. Students are to become proficient in the use of common, modern measuring instruments e.g. digital and analog voltmeters, ammeters, ohmmeters and the oscilloscope. The principles of data taking and analysis, and the writing of scientific reports are emphasized.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHYS 210

PHYS 4C GENERAL PHYSICS
5.0 Units 4.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PHYS 4A and MATH C2220
A calculus-based introduction to the basic principles of wave motion, thermodynamics, optics and modern physics. Topics include classical wave theory, thermodynamics, wave-particle duality, reflection, refraction, interference, diffraction, optical elements and systems, applications of Schrodinger's equation, atomic structure, molecular structure, the quantum nature of solids, special and general relativity, nuclear physics, particle physics, and cosmology. Experiments in lab will examine some of the basic phenomena in wave motion, thermodynamics, optics, and modern physics. The use of common, modern instruments, e.g. digital storage oscilloscopes, lasers, spectrometers, will be learned and practiced during the experiments.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PHYS 215

PHYS 20 THE IDEAS AND EVENTS OF PHYSICS
4.0 Units 3.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Major discoveries, ideas and methods in physics. Includes simple motions, the nature of matter and energy, electric and magnetic effects, and 20th-century ideas in relativity, and atomic and nuclear science. Emphasis is on understanding concepts rather than mathematical aspects. This course is also suggested for students having no previous physics training as preparation for more advanced physics courses.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHYS 30 PHYSICS AND CHEMISTRY FOR ELEMENTARY EDUCATORS

4.0 Units 3.00 hours Lecture 3.00 hours Lab

Transfers: CSU, UC

Prerequisite: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Designed especially for the prospective elementary teacher, this course investigates the basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions, and chemical reactions. The inter-dependence of chemistry and physics will be emphasized, and lectures and labs will examine physical science concepts such as conservation of energy through real-world examples including renewable and nonrenewable resources and their use in society, global warming, kitchen science, and the automobile. This course is intended for non-science majors.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: PHYS 140

Political Science [PS/POLS] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

POLS C1000 AMERICAN GOVERNMENT AND POLITICS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. Credit may be earned for POLS C1000 or POLS C1000H, but not both. Formerly offered as PS 1.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: POLS 110

POLS C1000H AMERICAN GOVERNMENT AND POLITICS - HONORS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course. The honors course emphasizes a multicultural approach to the study of American politics and is enriched by limited class size, more independent reading, expectation of a greater degree of student participation and involvement, and research assignments that allow the student to pursue topics and projects of individual interest. Credit may be earned for POLS C1000 or POLS C1000H, but not both. Formerly offered as PS 1H.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: POLS 110

PS 4 INTRODUCTION TO POLITICAL SCIENCE

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Introduces the study of politics. Designed to introduce students with the basic systems, ideologies, and models of political analysis.

Grading Method: GR - Letter Grade or Pass/No Pass

NR

C-ID: POLS 150

PS 10H HONORS POLITICAL THEORY

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

A survey and analysis of selected political theorists and concepts from both Western and non-Western societies. The foundations behind ancient and modern political theories will be discussed. The lineage of political concepts such as democracy, power, justice, gender, and freedom will be traced as they evolved over time. Letter grade only.
Grading Method: GN - Letter Grade only
NR
C-ID: POLS 120

PS 11 INTERNATIONAL POLITICAL ECONOMY

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Focuses on the relations between the political and economic systems within the global economy. Covers the impact of political decisions on world economies and international organizations. Further emphasis is on a comparison-contrast of various national economies. Geographic areas of concern include Africa, Europe, the Pacific Rim, the Middle East, Latin America, Russia, China, and the United States. Also listed as ECON 11. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PS 12 COMPARATIVE POLITICS AND GOVERNMENT

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Comparison of different political systems with analysis of governmental institutions and political processes. Description and explanation of different combinations of events and structures found in the politics of various societies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: POLS 130

PS 14 INTERNATIONAL RELATIONS

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

An examination of the major theories in international relations and a study of world trends with emphasis on conflicts, climate change, human rights, and economic relations.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: POLS 140

PS 45 HUMAN RIGHTS IN A GLOBALIZED WORLD

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

The rise of human rights and modern globalization are together fundamental to understanding present-day and historical world politics. This course investigates the relationship between human rights and globalization and how, together, they impact our daily lives. Topics include exploring different types of human rights (civil, political, development); analyzing different forms of globalization; the role of global governance institutions in enforcing human rights; why some human rights are defended and some are violated; and the impacts of economic globalization on concepts of human rights around the world.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PS 60 GENDER, RACE, SEXUALITY AND THE LAW

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Investigates how law, public policies, and politics have defined which groups of people are able to claim rights of citizenship and influence the democratic process. Highlights the experiences of women, people of color, and LGBTQ+ people, focusing on how they have mobilized to assert their rights and protect their interests. Consider how law and public policies work together to construct racial, gendered, and sexual identities in the United States. Topics include the fight for marriage equality; affirmative action; reproductive rights; and discrimination based on gender, race, and sexual orientation. Also listed as GSS 60. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PS 65 INTRODUCTION TO RACE AND ETHNICITY IN POLITICAL SCIENCE

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Examines the roles of race and ethnicity in U.S. politics as they apply to the life experiences and pursuit of freedom, justice, and equality of African Americans, Latinos/as, Asian Americans, Native Americans, and other groups. This course will examine how institutions such as US government and media produce racial, class, and gender inequalities, shape political attitudes, and affect the behaviors of groups. These behaviors include voting, protest, elite decisions making, civic engagement, and media consumption.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PS 80 INTRODUCTION TO CONTEMPORARY AFRICA
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course challenges stereotypes and misperceptions about Africa and its history. It focuses on the political achievements of African kingdoms and empires, economic innovation and adaptation, resilience in the face of European incursions in the forms of the slave trade and colonial rule, the relationship between Africa and the rest of the world, responses to contemporary challenges, and the ways in which Africans created for themselves vibrant modern cultures, states and societies. Also listed as HIST 80, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Psychology [PSYC] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

PSYC C1000 INTRODUCTION TO PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Credit may be earned for PSYC C1000 or PSYC C1000H, but not both. Formerly offered as PSYC 1.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 110

PSYC C1000H INTRODUCTION TO PSYCHOLOGY - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. The Honors course is enriched by a smaller class size, seminar format, and the accomplishment of a research project involving scholarly sources and first-hand research. Credit for PSYC C1000 or PSYC C1000H, but not both. Formerly offered as PSYC 1H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 110

PSYC 2 RESEARCH METHODS IN PSYCHOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PSYC C1000 or PSYC C1000H and PSYC 44 or STAT C1000 or STAT C1000H or BUS 10

Introduction to basic research methods in psychology and the use of the scientific method to answer questions about behavior. Theoretical and applied research methods will be covered, with emphasis on critical analysis of experimental research design and data interpretation. Credit may be earned for PSYC 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 200

PSYC 2H HONORS RESEARCH METHODS IN PSYCHOLOGY
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: PSYC C1000 or PSYC C1000H and PSYC 44 or STAT C1000 or STAT C1000H or BUS 10

Introduction to basic research methods in psychology and the use of the scientific method to answer questions about behavior. Theoretical and applied research methods will be covered, with emphasis on critical analysis of experimental research design and data interpretation. The honors course is enriched by increased use of scholarly sources and the development and presentation of original research in oral or poster form at a conference. Credit may be earned for PSYC 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 200

PSYC 3 BIOLOGICAL PSYCHOLOGY
4.0 Units 4.00 hours Lecture
Transfers: CSU, UC
Prerequisite: PSYC C1000 or PSYC C1000H

Introduction to the study of behavior from a biological perspective. Neuroanatomy, neurophysiology, psychopharmacology, and the biological systems and processes underlying behavior. Emphasis will be placed on brain mechanisms underlying behavior and their relation to issues in psychology.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 150

PSYC 4 INTRODUCTION TO COGNITIVE PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introduction to the basic concepts and experimental study of cognitive psychology. Includes topics related to higher mental procedures such as pattern recognition, perception, memory, thinking, problem solving, and comprehension of language.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PSYC 5 PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H
An introduction to the fundamentals of the development and practice of sexuality in the human being and the historical, psychological, and psychosocial aspects of human sexuality from childhood to old age, including human sexual anatomy, fulfillment differences among the sexes, sexual dysfunction and corrective therapy.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 130

PSYC 7 DEVELOPMENTAL PSYCHOLOGY - CHILDHOOD THROUGH ADOLESCENCE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H
Introduction to the major theoretical viewpoints and research approaches in the field of developmental psychology. Covers developmental stages of children from conception through adolescence focusing on children's social, emotional, cognitive, and physical development.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PSYC 16 INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H
An introduction to the field of cross-cultural psychology. Focuses on the social and psychological impact of race, ethnicity, culture, gender, and disability. Special emphasis is given to research on African American, Latina/o, Asian American, Native American, Middle Eastern American, and Jewish cultures among other minority groups in America. Topics include stereotyping, institutional racism and discrimination, "reverse discrimination", ageism, and sexism.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PSYC 21 THE PSYCHOLOGY OF WOMEN
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduction to the psychology of women. Topics include gender similarities and differences and gender roles, including psychological, biological, and social origins. Covered are contemporary social issues. Throughout the course there will be emphasis on how psychology has studied women and the ways scientific and cultural assumptions about the sexes are reflected in psychological research.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PSYC 25 PSYCHOLOGY OF AGING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H
Focuses on old age and introduces the theoretical and methodological issues in the field of gerontology, while dispelling the myths that often accompany older adulthood. Throughout the course, the psychological, physiological, and social changes that often accompany older adults will be discussed. Social issues that older adults often face will be addressed, while discussing the societal implications of an aging population. Death and dying will also be covered.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PSYC 30 SOCIAL PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H or SOCI C1000 or SOCI C1000H
Phenomena related to social behavior and social influences on behavior. Topics include social perception and cognition, personality, attitudes and attitude change, attraction, altruism, aggression, interpersonal influence, social norms and group processes. Also listed as SOC 30, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 170

PSYC 33 PSYCHOLOGY OF ADJUSTMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Study of the processes involved in adjustment of individuals to their personal and social environments; focuses on different psychological perspectives and theoretical foundations and how these are applied across people's lives taking into account the influence of factors of culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 115

PSYC 37 ABNORMAL BEHAVIOR
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: PSYC C1000 or PSYC C1000H

An introduction to symptoms, causes, treatment and prevention of psychological disorders including anxiety disorders, personality disorders, psychophysiological disorders, psychoses, substance use disorders, sexual disorders, eating disorders and organic disorders.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 120

PSYC 44 STATISTICS FOR THE BEHAVIORAL SCIENCES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Introduces psychology and behavioral science majors to descriptive and inferential statistical methods. Knowledge of these methods is essential to the understanding, interpretation, and performance of scientific research. Topics covered include probability theory, hypothesis testing, correlation, analysis of variance, the graphical representation of data, basic research design, and the use of computer software to perform statistical analyses.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: MATH 110

PSYC 140 INTRODUCTION TO PSYCH AS A MAJOR AND PROFESSION
1.5 Units 1.50 hours Lecture
Transfers: CSU

Introduction to the broad major of psychology and its related professions. Focus is on the many possible types of psychologists and activities performed by these individuals. The course is designed especially for students at the sophomore level who have completed an introductory psychology course and are seeking further information before deciding upon psychology as a potential major or career field.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Public Health [PH]

PH 1 INTRODUCTION TO PUBLIC HEALTH
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community, including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PH 103 HEALTH AND SOCIAL JUSTICE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Course provides an introduction to the health inequities in the United States that stem from unequal living conditions. Students will explore how education, socioeconomic status, racism, and gender shape health epidemics and policy development. Fundamental theories to advocate for health and social justice will be explored, and community organizing approaches will be practiced.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PH 110 HEALTH SYSTEMS AND PERSPECTIVES
3.0 Units 3.00 hours Lecture
Transfers: CSU

This course provides students with an understanding of the U.S. healthcare system and health insurance options to facilitate efficient navigation through the healthcare system. Topics include the history of health insurance in the U.S. and the role of government in healthcare; the U.S. healthcare workforce; basic health insurance terminology; types of insurance and the healthcare marketplace; different types of care, including outpatient, ambulatory and long-term care; public assistance programs and disability programs; and ethical and bioethical issues.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PH 205 DIRECTED PRACTICE FOR COMMUNITY HEALTH CARE WORKER
3.0 Units 1.00 hour Lecture 6.00 hours Lab
Prerequisite: PH 206

Capstone course that examines and applies the concept of public health as it relates to community health workers. Topics include health education and promotion, health care system navigation, health access and outreach, and identifying social determinants of health and community disparities. Healthcare communication skills and relationship building between patient and provider will also be examined. On-site clinical placement for students in the Community Health Worker program to gain about 100 hours of meaningful work experience with local employers. Students will gain outside practicum experience. Required for completion of the Community Health Worker Certificate of Achievement.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PH 206 FOUNDATIONS FOR COMMUNITY HEALTH WORKERS
3.0 Units 3.00 hours Lecture

This foundational course prepares students for Community Health Worker (CHW) positions in the health and social service fields by providing an overview of the roles and responsibilities of the CHW. Course emphasizes skill development in areas such as cultural humility and client-centered assessment, contact tracing, communication, health education and counseling.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Public Health Informatics and Technology [PHIT]

PHIT 100 HEALTH INFORMATION SCIENCE
2.0 Units 2.00 hours Lecture

Recommended Preparation: CIM 10 OR CIM 1, ENGL C1000 or ENGL C1000H
Introduction to the health information management profession, including health services organization and delivery methods; sources, collection, maintenance, and analysis of health data; structure and use, requirements and standards for health information; information systems. A brief off-campus site visit is required to meet the objectives of this course. Letter grade only. Formerly HIT 100.
Grading Method: GN - Letter Grade only
NR

PHIT 111 INTRODUCTION TO HEALTH INFORMATICS
3.0 Units 3.00 hours Lecture

Recommended Preparation: PHIT 100 and CIM 10 or CIM 1
Principles of healthcare informatics and various information technologies used in the management of health information; communication and network technologies; data, information and knowledge concepts; health data collection tools, health information exchanges (HIEs), data and interchange standards, consumer informatics, data integrity and security. Letter grade only. Formerly HIT 111.
Grading Method: GN - Letter Grade only
NR

PHIT 230 INTRODUCTION TO PUBLIC HEALTH INFORMATICS AND TECHNOLOGY
3.0 Units 3.00 hours Lecture

This course provides an introduction to public health informatics. Students will gain an understanding of the basic concepts of public health, including the history and structure of public health in the United States. An overview of public health information systems and data will be explored and how they support public health. Formerly HIT 230.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

PHIT 240 PUBLIC HEALTH DATA REPORTING TECHNIQUES
3.0 Units 3.00 hours Lecture

This course focuses on the analysis of public health data for the purpose of generating information resulting in actionable decisions. The primary concepts covered in this course include health care statistics, data analysis, mining, and exploration. Microsoft Excel is utilized to analyze public health data and information related to clinical and business systems in healthcare. This course is designed for public health informatics and information technology majors. Formerly HIT 240.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Real Estate [RE]

RE 170 REAL ESTATE PRINCIPLES
3.0 Units 3.00 hours Lecture
Transfers: CSU

The fundamental real estate course covering the basic laws and principles of California real estate. Required by the DRE (California Department of Real Estate) for those preparing for the state salesperson's exam, and serves as an elective for those preparing for the state broker's exam. For professionals, consumers, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 172 REAL ESTATE PRACTICE
3.0 Units 3.00 hours Lecture
Transfers: CSU

A foundational real estate course covering day-to-day operations in real estate sales and brokerage, including: Listing, prospecting, advertising, financing, sales techniques, and escrow. Required course for Salesperson's and Broker's license by DRE (California Department of Real Estate). For professionals, consumers, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 174 LEGAL ASPECTS OF REAL ESTATE
3.0 Units 3.00 hours Lecture
Transfers: CSU

A study of California real estate law, including consumer rights, agency, and contracts, probate proceedings, trust deeds, and foreclosures, as well as recent legislation governing real estate transactions. Applies toward State's elective educational requirements for the Real Estate Salesperson License. Applies toward state's core educational requirements for the broker's examination. Applies toward DRE (California Department of Real Estate) basic education. For professionals, consumers and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 175 REAL ESTATE FINANCE
3.0 Units 3.00 hours Lecture
Transfers: CSU

Analysis of real estate financing, including lending policies and problems in financing transactions in residential properties. Methods of financing properties are emphasized. Applies toward state's elective educational requirements for the Real Estate Salesperson's License. Applies toward state's core educational requirements for the broker's examination. Applies toward California Department of Real Estate (DRE) basic education. For consumers, professionals, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 176A REAL ESTATE APPRAISAL I
3.0 Units 3.00 hours Lecture
Transfers: CSU

Introduction to residential real estate appraisal. Applies toward Department of Real Estate (DRE) State's elective educational requirements for the Real Estate salesperson's exam. Applies toward DRE state core educational requirements for the broker's exam. Applies toward 50 hours of Bureau of Real Estate Appraisers (BREA) credit. For consumers, professionals, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 176B REAL ESTATE APPRAISAL II
3.0 Units 3.00 hours Lecture
Transfers: CSU

An advanced course in real estate appraisal with emphasis on investment-property appraisal. Includes the appraisal of certain types of apartment properties. This class qualifies toward DRE's (CA Department of Real Estate) educational requirements for the broker's examination and toward basic and continuing educational hours of Bureau of Real Estate Appraisers (BREA) credit.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 176C REAL ESTATE APPRAISAL III MARKET ANALYSIS AND STUDIES
3.0 Units 3.00 hours Lecture
Transfers: CSU

An advanced course in real estate appraisal to evaluate the productive attributes of parcels of real estate as they relate to the demand for a particular use and supply of competitive properties within a specified market. The student will learn the process of property analysis through the study of property productivity, supply and demand factors, and comparative analysis. Focus is placed on the role of market analysis and highest and best use analysis in decision making and evaluation. Counts toward 50 hrs BREA (Bureau of Real Estate Appraisers).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 178 REAL ESTATE ECONOMICS
3.0 Units 3.00 hours Lecture
Transfers: CSU

Covers the impact of national, regional, and local trends on real estate values. Includes the role of the government in the economy and how that role affects real estate issues, cycles, business fluctuations, credit markets, real property taxation concepts, land use controls, development of real property, and limitations imposed on real estate markets. Applies toward DRE (CA Department of Real Estate) elective educational requirements for the Real Estate Salesperson License. Applies toward DRE (California Department of Real Estate) core educational requirements for the broker's exam. For consumers, professionals, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 190 ESCROW
3.0 Units 3.00 hours Lecture
Transfers: CSU

Provides students with a real-life application of the steps in a real estate sale including completing and reviewing the California Association of Realtors (C.A.R.) Joint Purchase Agreement and Escrow Instructions, reviewing the Preliminary Report and solving title problems, learning lenders' closing requirements and the recording process, and balancing and figuring the settlement of the closing funds. Applies toward the DRE (California Department of Real Estate) elective educational requirements for the Real Estate Salesperson license and as an elective for the broker's license. Letter grade of "C" or above applies toward the requirements of California Escrow Association professional designation. For consumers, investors, and professionals.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 195 PROPERTY MANAGEMENT
3.0 Units 3.00 hours Lecture
Transfers: CSU

Professional management of residential, commercial, retail, and industrial properties: organization, staffing, marketing, accounting, operations, maintenance, landlord/tenant relations. Addresses antitrust, disclosure, tenant screening, antidiscrimination, employment, land use, and environmental laws and compliance therewith. Excellent preparation for the real estate practitioner wishing to specialize in property management. Applies toward California DRE elective educational requirements for the Real Estate Salesperson License and Broker license. For consumers, investors, and professionals.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 200 UNIFORM STANDARDS OF PROFESSIONAL APPRAISAL PRACTICE (USPAP)
1.5 Units 1.50 hours Lecture

A 15 hour National Uniform Standards of Professional Appraisal Practice (USPAP) course developed by the Appraisers Qualification Board (AQB) of The Appraisal Foundation. Emphasizes professional appraisal standards and the basic rules of competent performance and ethical behavior required for appraisers. Taught by an experienced AQB Certified USPAP Instructor/Certified Real Estate Appraiser. Approved for 15 hours of pre-licensing appraisal education by the CA Bureau of Real Estate Appraisers (BREA) and for 14 Hours of continuing education by the BREA. Cannot be used as a substitute for the 7-Hour USPAP Update course. Satisfies the appraisal education requirements for the Trainee License from the BREA upon completion of RE 176A/B/C.
Grading Method: PN - Pass/No Pass
NR

RE 202 COMPUTER APPLICATIONS IN REAL ESTATE
3.0 Units 3.00 hours Lecture

A comprehensive look at modern computer technology and programs available for the real estate consumer, investor and aspiring real estate professional. Students will learn to streamline their real estate practice through the use of common computer applications available to the general public. Applies toward CA Department of Real Estate (DRE) Salesperson's and Broker's exam elective requirements.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 255 REAL ESTATE LICENSE PREPARATION
1.0 Unit 1.00 hour Lecture

Real estate licensure preparation. Fundamental information regarding practice of real estate with emphasis on real estate law, principles, practice, and other topics covered in the state licensure examination. Important preparation for those intending to take the California real estate salesperson's license examination.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

RE 280 MORTGAGE LOAN BROKERING AND LENDING
3.0 Units 3.00 hours Lecture

Introduces the principles and operations of the mortgage loan brokering field. The emphasis is on the lending rules for residential property. Students learn lending laws of Regulation Z, usury laws, disclosures, agency relationships, advertising laws, HUD/RESPA calculations, and the loan process. This class satisfies the elective requirements for the California DRE Real Estate Salesperson's and Broker's licenses. For consumers, professionals, and investors.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Sociology [SOC/SOCI] *

Please visit the Common Course Numbering page for more information on "CXXXX" courses.

SOCI C1000 INTRODUCTION TO SOCIOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. Credit may be earned for SOCI C1000 or SOCI C1000H, but not both. Formerly offered as SOC 1.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 110

SOCI C1000H INTRODUCTION TO SOCIOLOGY - HONORS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This course introduces students to Sociology: the study of people, groups, and institutions that shape people's lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. This is an honors course. Credit may be earned for SOCI C1000 or SOCI C1000H, but not both. Formerly offered as SOC 1H.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 110

SOC 2 SOCIAL PROBLEMS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasis on the extent, causes, and consequences of a number of social problems including: poverty, juvenile delinquency, family disorganization, gender inequality, and race relations. Course includes a Service Learning requirement. Credit may be earned for SOC 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 115

SOC 2H HONORS SOCIAL PROBLEMS
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasis on the extent, causes, and consequences of a number of social problems including poverty, criminal justice, the family, gender inequality, and race relations. Course includes a service learning requirement. The honors course is enriched by the level of resources used in research, more in-depth seminar style discussions, presentation of research in a public poster session, and by a smaller class size, allowing mentored individual research. Credit may be earned for SOC 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 115

SOC 9 RACIAL AND ETHNIC GROUPS IN THE UNITED STATES

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

This course makes use of an interdisciplinary and comparative approach to study the experiences of core racialized groups in the United States: Native Americans, African Americans, Asian Americans, and Chicanx/Latinx peoples. It applies theoretical frameworks and knowledge from core racialized groups to understand current and structural issues of race and racism, race relations, citizenship, immigration, ethnocentrism, white supremacy, discrimination, social justice, and anti-racist struggles. Also listed as ES 9. Credit given in either area, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 150

SOC 10 INTRODUCTION TO MARRIAGE AND THE FAMILY

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Introduction to the scientific study of marriage and the family, including core concepts and theories. Topics include family as a social institution, kinship systems, gender, social class, race and ethnicity, partner selection, marital roles, sexuality and sexual norms, work, parenting and childrearing, older adults in the family, family violence, divorce, remarriage, stepfamilies, and social policies.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 130

SOC 12 SOCIOLOGY OF AGING

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Examines age as a social construct and aging as a social process. Course explores the effects of social institutions and social norms on the aging individuals. Topics covered are: the study of aging, ageism, sociological theories/ perspectives of aging, current social research on issues of aging, views of aging in other societies past and present, demographics of the aging population, the life course, race and ethnicity, the healthcare system, retirement and work, gender inequalities, housing and transportation, recreation and leisure, family life, and politics and social policies. Particular attention to the sociological perspective of the aging process will be investigated. Course includes a service learning requirement. Formerly SOC 125.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 15 SOCIALIZATION OF THE CHILD

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Recommended Preparation: SOCI C1000 or SOCI C1000H
The sociological study of the main institutions which socialize the child, such as the family, peer groups, education, child care, community, and the media. Other topics include: social theory, parenting, culture, religion, economics, politics, and social change.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 16 DEATH AND DYING

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Provides a background on historical and contemporary perspectives on death and dying. Course focuses on the social, political, and cultural and cross-cultural meanings and practices regarding death in the United States. Topics include: attitudes, beliefs, and meanings of death and dying through the life course, the American experience of death, sociological theoretical perspectives, the dying process, living with dying, the American Health Care System, hospice care, end-of-life decisions, suicide, types of death, euthanasia and biomedical issues, bereavement, grief, mourning, the funeral process, legal and business aspects of dying, cultural norms, and dealing with the death of a loved one.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 18 INTRODUCTION TO AGING

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

Provides an introduction to the interdisciplinary field of gerontology through biological, psychological, and sociological perspectives. The area of focus is on the adult years of the life span. Topics include: the aging process, growth of the older population, cultural differences, consequences of physical aging, health and well-being, mental health, sexuality, social support networks, caregiving, social interactions, role changes, death and dying, social policies affecting older adults, and careers options in the field (formerly SOC 180).
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 19 INTRODUCTION TO CRIMINAL JUSTICE SYSTEM

3.0 Units 3.00 hours Lecture

Transfers: CSU, UC

A broad overview of the American criminal justice system. Deals with the examination of criminals, victims, and the society in which they live. Emphasis is given to the criminal justice process, law enforcement, adjudication, post-conviction strategies, and juvenile justice. Also examines the entire spectrum of criminal justice and its components, from crime causation and police involvement to the trial process and corrections. Also listed as HS 19. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: AJ 110

SOC 21 WOMEN IN CONTEMPORARY SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An introductory survey of the lives, roles, and status of women in contemporary American society. The cultural, social, psychological, and economic conditions of women will be explored. Topics include life-cycle, sex role socialization, sexuality and intimate relationships, the family, self-image, health and reproduction, crime and deviance, work, religion, politics, education, the media, cultural diversity, feminism, and social reform.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SOCI 140

SOC 23 FOOD AND SOCIETY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Course examines multiple perspectives of the past, present, and future food system in the United States and globally. Topics include: theoretical perspectives of the food system, the history of the food system, industrialization, agricultural practices, the food industry, global food, food labor, access and food insecurity, food politics, food policy, culture, health and nutrition, the media and marketing, schools and education, water, and social change.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 25 SOCIAL STRATIFICATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

American social class structures and their functions. Different styles of life, determinants of class status, social mobility, social inequality, and changes in class systems are discussed and evaluated. Specific dimensions of social stratification discussed are economic and social class status, race and ethnicity, gender, sexual orientation, political participation and power, and global stratification. Specific consequences of social status are evaluated. Both a macro and micro analysis will be applied to social stratification and its consequences on society and the individual.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SOC 30 SOCIAL PSYCHOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: PSYC C1000 or PSYC C1000H or SOCI C1000 or SOCI C1000H
Phenomena related to social behavior and social influences on behavior. Topics include social perception and cognition, personality, attitudes and attitude change, attraction, altruism, aggression, interpersonal influence, social norms and group processes. Also listed as PSYC 30, credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: PSY 170

SOC 37 INTRODUCTION TO CRIMINOLOGY
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

An analysis of criminal liability in the U.S., crimes against persons and property, and public welfare. Emphasis on elements of crime, common and statutory law, and the nature of acceptable evidence. Utilizes case law and case studies and an analysis of the historical, social, cultural, psychological, economic, structural, and political causative factors related to crime. Includes discussion of prosecution and defense decision-making, criminal culpability, and defenses to crimes, and the role of the law to prevent future criminal behaviors, the criminal justice system, crimes within our society, theoretical explanations of deviance and criminal behavior, the causes and effects of crime on society, social inequality, and social justice. Also listed as HS 37. Credit may be earned for either course, not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Spanish [SPAN]

SPAN 1 ELEMENTARY SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in colloquial Spanish. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Spanish. Credit may be earned for either SPAN 1 or 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 100

SPAN 1H HONORS ELEMENTARY SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: College-level reading ability
Designed to develop the fundamentals of communicative competence in colloquial Spanish. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Spanish. The Honors course is enriched through limited class size; expanded writing assignments and oral presentations; additional content in history, politics, and culture; and the development of listening comprehension and conversational skills in a socio-linguistic framework. Credit may be earned for either SPAN 1 or 1H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 100

SPAN 2 ELEMENTARY SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 1 or SPAN 1H or two years of high school Spanish.

Designed to further the fundamentals of communicative competence in daily spoken Spanish. Although the focus remains on listening comprehension and speaking, reading and writing skills will be expanded. Continues the familiarization with customs and cultural achievements begun in the previous semester. Credit may be earned for either SPAN 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 110

SPAN 2H HONORS ELEMENTARY SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 1 or SPAN 1H or two years of high school Spanish

Designed to further the fundamentals of communicative competence in daily spoken Spanish. Although the focus remains on listening comprehension and speaking, critical thinking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester. This Honors course offers an enriched experience for accelerated students through limited class size, a seminar format, the reading of level-appropriate adapted Hispanic works and cultural studies, and the application of higher critical thinking skills. Equivalent to two years high school Spanish. Credit may be earned for either SPAN 2 or 2H, but not both.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 110

SPAN 3 INTERMEDIATE SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H or three years of high school Spanish.

Intermediate level course focuses on fluency in reading, writing, speaking, and listening. Includes selected readings and discussions from poetry, short stories, and essays in Hispanic, and Hispanic-American literature, culture and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 200

SPAN 4 INTERMEDIATE SPANISH
5.0 Units 5.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 3 or four years of high school Spanish.

Emphasizes fluency in speaking, reading, writing, and comprehension of Spanish. Includes selected readings and discussions from the basic four genres in Hispanic and Hispanic-American literature, culture, and customs.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 210

SPAN 6 INTERMEDIATE SPANISH GRAMMAR AND COMPOSITION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 4

Brief review and intensive practice of fundamentals of Spanish grammar followed by study and application of advanced grammatical concepts. Practice in writing essays and summaries in Spanish based on literature, and in a variety of topics and sources from print and online magazines and newspapers. Continues to refine speaking and listening skills.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 10 INTERMEDIATE CONVERSATIONAL SPANISH
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H or three years of high school Spanish.

Designed to develop fluency in Spanish. The emphasis is on both formal and informal expression and conversation in Spanish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 11 ADVANCED CONVERSATIONAL SPANISH
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 3 or SPAN 10

Designed to increase the student's ability to comprehend native spoken Spanish and increase oral fluency. Reading texts, watching Hispanic films to examine various aspects of Hispanic culture, and written and oral responses enable students to acquire new vocabulary and structures.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: SPAN 230

SPAN 20A CIVILIZATION OF SPAIN THROUGH 1898
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2Hor three years of high school Spanish

Focuses on the geography, history, and institutions of Spain, life and culture of the people, literature, music, and art through 1898. Conducted in Spanish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 20B CIVILIZATION OF SPAIN 1898 TO PRESENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H three years of high school Spanish

Focuses on the geography, history, and institutions of Spain, life and culture of the people, literature, music, and art from 1900 to present. Conducted in Spanish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 21A CIVILIZATION OF LATIN AMERICA THROUGH 1900
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H or three years of high school Spanish.

Focuses on the geography, history, and institutions of Latin America, life and cultures of the people, literature, music, and art through 1900. Conducted in Spanish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 21B CIVILIZATION OF LATIN AMERICA 1900-PRESENT
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H or three years of high school Spanish

Focuses on the geography, history, and institutions of Latin America, life and culture of the people, literature, music, and art from 1900 to present. Conducted in Spanish.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

SPAN 21C HISPANIC CULTURE AND LITERATURE IN THE UNITED STATES
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC
Prerequisite: SPAN 2 or SPAN 2H or three years of high school Spanish

Focuses on the influence in the life, culture and literature of the different Hispanic groups in the United States.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Statistics [STAT] *

See Mathematics for Statistics [STAT] courses.

Surgical Technology [SURG]

SURG 210 SURGICAL TECHNOLOGY FUNDAMENTALS
3.0 Units 3.00 hours Lecture

Corequisite: SURG 210L

Limitation on Enrollment: Formal admission into the Surgical Technology program.

Course explores the fundamental concepts related to perioperative practice and provides a comprehensive introduction into the field of surgical technology. Areas of emphasis include: historical foundations of surgical science, legal and ethical concepts, understanding the surgical patient, duties and responsibilities of each member of the surgical team, teamwork, scope of practice, OR equipment and instrumentation, aseptic principles, physical and environmental hazards, sterile processing and infection control fundamentals, pharmacology and anesthesia, and perioperative case management.

Grading Method: GN - Letter Grade only

NR

SURG 210L SURGICAL TECHNOLOGY FUNDAMENTALS LAB
2.0 Units 6.00 hours Lab

Corequisite: SURG 210

Course provides students with the opportunity to demonstrate practical skills designed to facilitate operative procedures in the scrub role. Practical skills include donning operating room attire and PPE, identifying surgical equipment and instrumentation, patient positioning, surgical hand hygiene, gowning and gloving, assembling and preparing surgical supplies, establishing and maintaining the sterile field, electrosurgical unit safety, proper handling of medication and surgical specimen, intraoperative case management, operative counts, sterile processing, and dressing application.

Grading Method: GN - Letter Grade only

NR

SURG 220 SURGICAL PROCEDURES
4.0 Units 4.00 hours Lecture

Prerequisite: SURG 210

Corequisite: SURG 220L

Course introduces students to surgery and primary surgical procedures within basic specialties including: general surgery, obstetrics and gynecology, otorhinolaryngology, ophthalmic, and oral & maxillofacial.

Grading Method: GN - Letter Grade only

NR

SURG 220L SURGICAL PROCEDURES LAB
2.5 Units 7.50 hours Lab

Corequisite: SURG 220

This course focuses on the role of the scrub during the preoperative, intraoperative, and postoperative phases of surgery, sterilization, disinfection, asepsis, and the principles of sterile technique and sterile conscience, leading into a detailed study of combining; procedures, instrumentation, equipment, and supplies needed for specific surgeries.

Grading Method: GN - Letter Grade only

NR

SURG 230 ADVANCED SURGICAL PROCEDURES
4.0 Units 4.00 hours Lecture

Prerequisite: SURG 220

Corequisite: SURG 230L

This course in a continuation of SURG 220 with an emphasis on more advanced surgical specialties including: plastic and reconstructive surgery, genitourinary surgery, orthopedic surgery, cardiothoracic surgery, peripheral vascular surgery, and neurosurgery.

Grading Method: GN - Letter Grade only

NR

SURG 230L ADVANCED SURGICAL PROCEDURES LAB
2.5 Units 7.50 hours Lab

Corequisite: SURG 230

Course focuses on advanced techniques in preoperative, intraoperative, and postoperative case management, including complex draping skills, specialty surgical field setup, and use of minimally invasive surgical applications. Prepares the student for senior clinical rotation.

Grading Method: GN - Letter Grade only

NR

SURG 240 OPERATING ROOM CLINICAL PRACTICUM
4.5 Units 13.50 hours Lab

Prerequisite: SURG 230

Course provides exposure to and experience with diverse surgical procedures performed in multiple specialties within the clinical setting. Students prepare for and perform assigned surgical procedures under the supervision of faculty personnel, and clinical preceptors in accordance with patient safety and industry best practices.

Grading Method: PN - Pass/No Pass

NR

SURG 250 OPERATING ROOM CLINICAL PRACTICUM II
4.5 Units 13.50 hours Lab

Prerequisite: SURG 240

Course allows students to build upon skills and experience obtain during SURG 240, with an emphasis on the completion of 125 surgical cases in various specialties as required by accrediting board.

Grading Method: PN - Pass/No Pass

NR

Theatre Arts [TA]

TA 1 FUNDAMENTALS OF ACTING
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Establishes a working vocabulary and begins exploring basic skills of the acting process. Through theatre games and improvisations, the actor explores imagination as the actor's primary resource and the basic approach to text through action. Students are limited to a combined total of four enrollments in TA 1, 2, 3, and 4.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 151

TA 2 SCENE STUDY I
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: TA 1

Beginning scene study with an emphasis on truthful connection to partner and self, deep emotional honesty, introducing objectives and given circumstances in working toward a method of approach. Students are limited to a combined total of four enrollments in TA 1, 2, 3, and 4.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 152

TA 3 SCENE STUDY II
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: TA 2

Further study in the application of given circumstances, objective, and action to a text and the development of a technique to make text based acting choices. Performing scenes from the plays of Ibsen and Chekhov is stressed. Students are limited to a combined total of four enrollments in TA 1, 2, 3, and 4.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 4 ACTING STYLES I
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: TA 3

Primarily using the works of Shakespeare, this course focuses on the acting demands of heightened poetic language. Verse analysis, physical games, and how to master classical dialog. Students are limited to a combined total of four enrollments in TA 1, 2, 3, and 4.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 10 MUSICAL THEATRE TECHNIQUES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Principles and techniques of the various performance methods and styles involved in performing for the musical theatre. Solo and choral singing, and acting will be taught. Students are limited to a combined total of four enrollments in TA 10, 107, and 212.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 11 STAGE MOVEMENT
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

Explores movement as a tool to aid in the acting process and to enhance the actor's physical ability to communicate on stage. Emphasis is on the integration of verbal and non-verbal forms of communication focusing on basic movement skills, physical awareness, strength, flexibility, relaxation, control, and movement improvisation. Field trips may be required. Students are limited to a combined total of four enrollments in TA 11, 14, 35, 136, 190, and SP 35.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 12 DIRECTING
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Recommended Preparation: TA 1
An introduction to the role of the director in modern theatrical production. Study of the director's interpretation of dramatic literature, with emphasis on the communication of intellectual and emotional concepts through composition, picturization, movement, and rhythm.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 14 ADVANCED STAGE MOVEMENT
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC
Prerequisite: TA 11

Build on the physical storytelling skills begun in TA 11 (Stage Movement) in order to create more physically complex and dynamic pieces of theatre. Utilize physical isolations, mime, viewpoints, physical connection, contact improvisation, stage combat, monologues and textwork. Become more impulsive in their acting while learning to create eye-catching stories with and without words. Students are limited to a combined total of four enrollments in TA 11, 14, 35, 136, 190, and SP 35.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 15 REHEARSAL AND PERFORMANCE - DRAMA
3.0 Units 9.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition or interview
Emphasizes the preparation of serious dramatic productions for public performance, including acting, technical, and production management. Open-entry/open-exit course. Students are limited to a combined total of four enrollments in TA 15, 16, 17, 18, 19, 113, and 125.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2
C-ID: THTR 191

TA 16 REHEARSAL AND PERFORMANCE - COMEDY
3.0 Units 9.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition or interview
Emphasizes the preparation of comic productions for public performance, including acting, technical, and production management. Open-entry/ open-exit course. Students are limited to a combined total of four enrollments in TA 15, 16, 17, 18, 19, 113, and 125.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2
C-ID: THTR 191

TA 17 REHEARSAL AND PERFORMANCE - MIXED GENRES
3.0 Units 9.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition or interview
Emphasizes the preparation of comic productions of mixed genres for public performance including acting, technical, and production management. Open-entry/open-exit course. Students are limited to a combined total of four enrollments in TA 15, 16, 17, 18, 19, 113, and 125.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2
C-ID: THTR 191

TA 19 REHEARSAL AND PERFORMANCE - MUSICAL THEATRE
3.0 Units 9.00 hours Lab
Transfers: CSU, UC

Limitation on Enrollment: Audition where student will demonstrate and performance and production practices and skills.
Provides instruction and supervised participation in musical theatre rehearsal and performance presented fully on stage. All productions are entered into Kennedy Center American College Theater Festival competitions. Students are limited to a combined total of four enrollments in TA 15, 16, 17, 18, 19, 113, and 125.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2
C-ID: THTR 191

TA 20 THEATRE APPRECIATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

This survey course will foster a student's appreciation of theatre and the performing arts. The course examines the duties and responsibilities of the various creative artists such as director, actor, designers, and playwrights and the process of creating live performance.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 111

TA 22 MUSICAL THEATRE HISTORY AND APPRECIATION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Introduces the student to the history and literature of the musical theatre from mid-19th century to present day. Explores the stylistic distinctions found in the musical as well as its social and cultural significance. Emphasis is placed on the contributions and influence of the individual writer, composer, or lyricist.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 28 THEATRE, PERFORMANCE, AND CULTURE
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Theatre and cinema from a historical and cultural perspective. Explores how the theatre and performance of a culture are influenced by, and reflective of, the historical and cultural attributes of that culture. Performance may include, but is not limited to theatre, film, and media.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 35 VOICE AND DICTION
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Emphasizing principles and practices in vocal and articulatory development and control, drills in phonation, resonance, and vocal variety, drills for clarity and ease in articulation. Begin to work on developing a dialect and heightened text. Students are limited to a combined total of four enrollments in TA 11, 14, 35, 136, 190, and SP 35.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 43 STAGE MAKE-UP
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU, UC

A study of theory and practice in make-up for the stage. Emphasis on the development of individual skill in techniques of character analysis, application in pigment, hair design, and selection and use of equipment. Crew assignment for college productions is required and will provide instruction in make-up techniques.
Grading Method: GR - Letter Grade or Pass/No Pass
NR
C-ID: THTR 175

TA 47 DISNEY: BROADWAY, FILM, THEME PARKS, AND BEYOND
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Explores storytelling and its influence and use in Disney stage shows, Theme Park Rides, Films, and other media. Analyzes story structure as a basis for Disney model. Explores Disney business processes.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 48 FROM STAGE TO SCREEN: BROADWAY TO HOLLYWOOD
3.0 Units 3.00 hours Lecture
Transfers: CSU, UC

Explores great films that started as plays. Discover the methods and techniques of plays versus film and the various methods, techniques, and strategies that have been used to move scripted plays from the stage to the screen.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 107 SCENE STUDY FOR AMERICAN MUSICAL THEATRE
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU
Prerequisite: TA 10

Concentrates on scene study, characterization, song repertory, and ensemble performance in American musical theatre. Students are limited to a combined total of four enrollments in TA 10, 107, and 212.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 108 AUDITION TECHNIQUES
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Emphasizes the process of auditions for both theatre and film/TV. Includes cold readings, script analysis, interviews and unrehearsed scenes, resume writing techniques, interview techniques and casting instruction for the actor. Students are limited to a combined total of four enrollments in TA 108, 111, and 116.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TA 113 REHEARSAL AND PERFORMANCE - CHILDREN'S THEATRE
3.0 Units 9.00 hours Lab
Transfers: CSU

Limitation on Enrollment: Audition or interview
Emphasizes the preparation of play production for the child audience for public performance. This course is open-entry/open-exit. Students are limited to a combined total of four enrollments in TA 15, 16, 17, 18, 19, 113, and 125.
Grading Method: GR - Letter Grade or Pass/No Pass
R-E-2
C-ID: THTR 191

TA 136 ADVANCED VOICE AND DICTION
3.0 Units 3.00 hours Lecture
Transfers: CSU
Prerequisite: TA 35

Recommended Preparation: TA 1
Continuation of work begun in TA 35 with application to classical text and accents. Students will deepen understanding of vocal production, acquire additional tools for gaining mastery of the physical means of voice production, and apply the tools of IPA and diction work begun in previous classes to more complex use in poems and classical literature. Exercises for centering the breath and body, locating and releasing tension, exploring pitch, tone, and range, developing a free and responsive voice. Solidify understanding of the International Phonetic Alphabet and use it for working with classical texts and poems, as well as development of at least one foreign and one regional American accent. Field trips may be required. Students are limited to a combined total of four enrollments in TA 11, 14, 35, 136, 190, & SP 35.
Grading Method: GN - Letter Grade only
NR

TA 190 ACTING FOR TELEVISION AND FILM
3.0 Units 2.00 hours Lecture 3.00 hours Lab
Transfers: CSU

Principles and techniques of various performance methods involved in acting for television and motion pictures. An acting course for the screen. Includes acting in film and television commercials, episodic screen work, and electronic journalism. Concentration on agents, unions, photos, resumes for entertainment industry employment. Directed exercises and dramatic scenes. Students are limited to a combined total of four enrollments in TA 11, 14, 35, 136, 190, and SP 35.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Travel and Tourism [TOUR]

TOUR 180WE TRAVEL MANAGEMENT WORK EXPERIENCE
2.0 Units 6.00 hours Learning Center
Transfers: CSU
Prerequisite: TOUR 260

Provides work experience in the travel industry, including ticketing, reservations, major tourist destinations, resorts, fares, routes, tour planning, and promotions. (formerly CWE 180)
Grading Method: GR - Letter Grade or Pass/No Pass
R-I-4

TOUR 250 INTRODUCTION TO THE EXCITING WORLD OF TRAVEL & TOURISM
3.0 Units 3.00 hours Lecture

Introduction to the basics of the travel industry and its various avenues for an exciting career. Methods for both domestic and international itineraries along with understanding industry documents will be discussed. There will be discussions of industry regulations, airline and baggage fees, internet options and career opportunities in all aspects of the travel industry. This will include hotels, car rentals, rail service and cruises. There will also be discussion of travel opportunities that are available in consultation, sales, corporate, leisure, business and meeting planning. Related hospitality opportunities will also be discussed.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 252 WORLD DESTINATIONS AND RESORTS--WESTERN HEMISPHERE
3.0 Units 3.00 hours Lecture

Provides knowledge of hotels, sightseeing and tourist attractions, geographical locations, and local transportation in major destinations within the Western hemisphere. Areas covered include the 48 contiguous United States, Alaska, Hawaii, Mexico, Canada, the Caribbean, the Bahamas and Bermuda Islands, and Central and South America.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 253 WORLD DESTINATIONS-EUROPE
3.0 Units 3.00 hours Lecture

Study sightseeing highlights, tourist attractions, currency, customs and local transportation in major destinations within the most visited countries of Europe.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 254 WORLD DESTINATIONS-PACIFIC, ASIA, AFRICA, MIDDLE EAST
3.0 Units 3.00 hours Lecture

Study accommodations, sightseeing highlights, tourist attractions, currency, customs and local transportation in countries most visited by American tourists in Africa, the Middle East, Asia, and the Pacific.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 255 SELLING DREAMS - THE TRAVEL INDUSTRY
3.0 Units 3.00 hours Lecture

Identifies the many segments of the Travel Industry including airlines, hotels, cruises, tours, car rentals, and rail. Summarizes their place and importance to the traveling public. Serves as an introduction into the travel industry and related positions and careers. Analyzes the differences between sales and marketing. Explores target marketing, demographics, how to sell, advertising, telephone sales, resume writing and interviewing.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 257 TOURS AND CRUISES
3.0 Units 3.00 hours Lecture

Methods and practices for booking tours and cruises worldwide. Fundamentals of the tour and cruise industry, including various products and comparisons.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 259 AIRLINE COMPUTER TRAINING
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Recommended Preparation: TOUR 250
Designed to teach students how to use SABRE airline computer software systems including screen symbols and function keys. Basic system training includes passenger name record (PNR), automated ticketing, passenger and itinerary booking & modifications, basic faring, fare rules, pricing a PNR, fare shop, and fare quotes.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

TOUR 260 ADVANCED AIRLINE COMPUTER TRAINING
2.0 Units 1.00 hour Lecture 3.00 hours Lab

Recommended Preparation: TOUR 259
Designed to teach students how to use SABRE airline computing software systems. This specialized system is specific to the travel industry assisting agents in coordinating and synchronizing passenger name record, service sections including tours, ticket exchange, International travel, cruise, rail, taxes, travel insurance, car and hotel bookings.
Grading Method: GR - Letter Grade or Pass/No Pass
NR

Noncredit Courses

Automotive Technology [AUTO] (Noncredit) 621
Business [BUS] (Noncredit) 621
Certified Nursing Assistant [CNA] (Noncredit) 622
Computer and Information Management [CIM] (Noncredit) 623
Computer Info Management Applications [CIMA] (Noncredit) 623
Computer Information Systems [CIS] (Noncredit) 625
Cosmetology [COS] (Noncredit) 627
Emergency Medical Technology [EMT] (Noncredit) 631
English [ENG] (Noncredit) 632
English as a Second Language [ESL] (Noncredit) 632
Health [HLTH] (Noncredit) 635
Health Science [HSC] (Noncredit) 635
Human Services [HS] (Noncredit) 636
Kinesiology - Adapted [KNEA] (Noncredit) 636
Mathematics [MATH] (Noncredit) 637
Medical Assisting [MA] (Noncredit) 637
Medical Laboratory Technology [MLT] (Noncredit) 638
Nursing [N] (Noncredit) 639
Paramedic [PM] (Noncredit) 641
Public Health [PH] (Noncredit) 641
Public Health Informatics and Technology [PHIT] (Noncredit) 642
Sociology [SOC] (Noncredit) 643
Special Services [SPS] (Noncredit) 643
Tutoring [TU] (Noncredit) 644

Automotive Technology [AUTO] (Noncredit)

AUTO 440NC TRANSPORTATION CAREER EXPLORATION
0.0 Unit 0.50 hour Lecture

This course is designed to assist students in understanding opportunities available to them in different career and educational areas in transportation. Students will also learn about and be exposed to existing transportation related career education pathways and how to successfully transition into a career education program of study in transportation. Students will explore available transportation occupations, careers, educational or training programs using a variety of available sources, such as interviews with business or college representatives, job shadowing, tours, guest speakers, and career and educational fairs/events.
Grading Method: NC - Noncredit
R-E-4

AUTO 441NC BUS OPERATOR/DRIVER TRAINING
0.0 Unit 3.50 hours Lecture

Limitation on Enrollment: Students must be at least 21 years old and have a valid California Driver's License.
Recommended Preparation: AUTO 440NC
This course prepares students for the California Commercial Leaner's Permit (CLP.) Students will review information in the California Commercial Driver Handbook, including sample test questions. Students will receive behind the wheel and vehicle inspection training.
Grading Method: NC - Noncredit
R-E-4

Business [BUS] (Noncredit)

BUS 402NC ORAL BUSINESS COMMUNICATIONS
0.0 Unit 3.00 hours Lecture

Workplace oral communications skills and concepts, including the communication process, organizational theory, cultural awareness, critical listening, interpersonal communication, teamwork, meeting and leadership skills, interviewing, briefing, business etiquette, nonverbal communications, and reduction of communication anxiety. Students apply effective communication skills to real business situations. Students practice interviewing others and being interviewed. Students create and deliver business-based presentations using presentation software; they apply steps of locating, evaluating, and synthesizing data using databases and other appropriate sources, plus outlining, and delivering content.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

BUS 405NC BUSINESS MATH
0.0 Unit 3.00 hours Lecture

Reviews mathematics used to solve typical business problems including simple interest, compound interest, installment sales, trade and cash discounts, markup percent, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks and bonds, and distribution of ownership and profits.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

BUS 421NC NONPROFIT BUSINESS MANAGEMENT
0.0 Unit 2.00 hours Lecture

Course covers management best practices for leading a nonprofit organization. Covers major areas of responsibility for nonprofit leaders, including mission, strategy, managing employees and volunteers, social enterprise, operations, board governance, and marketing and social media.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

BUS 422NC NONPROFIT BUSINESS FINANCE
0.0 Unit 2.00 hours Lecture

This course covers the finance and development (fundraising) aspects of a nonprofit organization. Covers major areas of responsibility for nonprofit finance, including understanding financial statements, budgeting, resource allocation, and grant writing.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

BUS 423NC LEGAL ASPECTS OF NONPROFIT ORGANIZATIONS
0.0 Unit 1.00 hour Lecture

Recommended Preparation: BUS 422NC
Legal aspects of starting and operating a nonprofit organization including legal structure, receiving and maintaining tax-exempt status, trustee and director liability, and Internet considerations.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

BUS 425NC HUMAN RELATIONS
0.0 Unit 3.00 hours Lecture

Management and development of effective human relations in business organizations. Focuses on people's responses to their work environment; creates awareness of policies and actions that prevent or resolve problems among individuals within groups; addresses effective communicating, motivating, team building skills, project management, and conflict resolution. Develops confidence and leadership; teaches methods of inquiry used in assessing management techniques; stimulates critical thinking about human organizational challenges, workforce diversity, and solutions aimed at greater productivity of individuals, groups, and customer service. Learn how to work effectively with colleagues and customers.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

BUS 472NC FINANCIAL LITERACY
0.0 Unit 3.00 hours Lecture

Managing personal finances, budgeting, tracking spending and investing, creating and achieving financial goals, insurance, debt, credit, compound interest, and time value of money. Presents skills for lifelong financial planning, comprehensive insurance coverage, tax planning, paying for college, pension, retirement, and estate planning. Investment topics include common and preferred stock, government and corporate bonds, mutual funds, real estate, and other financial securities. Also covered are information gathering and tools for investing.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

BUS 496NC WORKPLACE SUCCESS SKILLS
0.0 Unit 1.00 hour Lecture

Teaches the employability skills needed to succeed in any professional career field and work organization. The focus of this class is to teach students transferable skills necessary to succeed in the ever-changing workplace through teamwork, problem-solving, communication, self-management, and career readiness. Students will enhance basic soft skills, workplace skills, interpersonal skills, communication skills, and leadership skills.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

Certified Nursing Assistant [CNA] (Noncredit)

CNA 422NC CERTIFIED NURSE ASSISTANT THEORY
0.0 Unit 4.00 hours Lecture
Corequisite: CNA 424NC

Certified Nurse Assistant (CNA) program provides students with the knowledge and skills required to provide basic nursing care to patients. Program focuses on the role functions such as safety precautions, emergency procedures, infection control and prevention, recognition of abuse and neglect, ability to provide for activities of daily living, personal hygiene, nutrition, safe food handling, body mechanics and transferring of patients. The course provides the theory to prepare the students to take the examination for the Certified Nurse Assistant issued by the California State Department of Health Services after the practicum is completed. (formerly N 422NC)
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

CNA 423NC CERTIFIED NURSE ASSISTANT PRACTICUM
0.0 Unit 6.50 hours Lab

The Certified Nurse Assistant (CNA) practicum course provides the student with the hours to demonstrate the skills required to meet the California Department of Public Health hands-on training. All 100 hours must be completed to successfully pass the course. The CNA will provide basic nursing care on patients in approved clinical sites with an instructor present. The Program focuses on clinical application and skills for a CNA integrating safety precautions, emergency procedures, infection control and prevention, recognition of abuse and neglect, ability to provide for activities of daily living, personal hygiene, nutrition, body mechanics, transferring of patients. Successful CNAs are employed in acute, long term and skilled health care facilities. (formerly N 423NC)
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

CNA 424NC NURSING ASSISTANT SKILLS LAB
0.0 Unit 1.50 hours Lab

Corequisite: CNA 422NC

This noncredit course focuses on the fundamental principles of basic nursing care necessary to meet the hygiene, comfort, and safety needs of residents. The identification and reporting of resident abuse along with development of skills in communication and interpersonal relations will be discussed. The role of the CNA as part of the health care team and practice of skills to pass the state certification exam are highlighted. The course follows the guidelines established by the California Department of Public Health (CDPH). Successful completion of the course does not ensure certification, which is obtained through the CDPH. Application and related forms are provided at the information session.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

CNA 425NC ACUTE CARE NURSING ASSISTANT THEORY
0.0 Unit 3.00 hours Lecture

Corequisite: CNA 426NC

Limitation on Enrollment: Applicants must have an active Certified Nursing Assistant California Certification.

Course focuses on the principles of nursing care necessary to meet the hygiene, comfort, and safety needs of patients in an acute care environment. Current CNA state certification is required for a recent graduate of the Saddleback College CNA program pending certification. Application and related forms are provided at the information session.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

CNA 426NC ACUTE CARE NURSING ASSISTANT SKILLS LAB
0.0 Unit 1.50 hours Lab

Corequisite: CNA 425NC

Limitation on Enrollment: Applicants must have an active Certified Nursing Assistant California Certification.

Course focuses on the practice of skills prior to a clinical rotation in an acute care environment. Focuses on professional behavior, dress, and communication.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

CNA 427NC ACUTE CARE NURSING ASSISTANT CLINICAL LAB
0.0 Unit 4.00 hours Lab

Limitation on Enrollment: Applicants must have an active Certified Nursing Assistant California Certification.

Clinical application of basic nursing care required to provide for the hygiene, comfort, and safety needs of clients in acute-care health care settings. Focus on roles and responsibilities, knowledge of and adherence to federal and state regulations and demonstration of safe and competent nursing skills and practice in communication.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

Computer and Information Management [CIM] (Noncredit)

CIM 408NC INTRODUCTION TO DATA SCIENCE
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: Clearance from the current placement process or completion of Intermediate Algebra or equivalent course with a "C" grade or better.

Course combines an introductory look into the fundamental skills and concepts of computer programming and inferential statistics with hands-on experience in analyzing datasets by using common tools within the industry. Additionally, the course investigates ethical issues surrounding Data Science, such as data privacy.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

Computer Info Management Applications [CIMA] (Noncredit)

CIMA 400NC OFFICE SKILLS - OFFICE PROCEDURES
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Prepares students to work efficiently in today's offices. Topics include characteristics of a successful employee, organization and time management, written, oral, and interoffice communications, records management, planning meetings, arranging for business travel, career advancement, and business etiquette.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 401NC OFFICE SKILLS - MICROSOFT WINDOWS
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

An entry-level course introduces the fundamentals of the Windows operating system. Topics include the desktop, manipulating Windows, using Help, launching applications, handling disk maintenance, using Explorer/My Computer for managing files and folders. The course also covers the capabilities of cloud solutions using Google Drive/G Suite and Microsoft's OneDrive/Office 365. A cloud solution provides both anywhere and any device (PC/Mac, Tablet or SmartPhone) accessibility to both data and applications.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 402NC WORD PROCESSING - MICROSOFT WORD
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 401NC
Provides training on the use of Microsoft Word, word processing software. Students will utilize program features to create, edit, and format documents for personal and business use.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 403NC OFFICE SKILLS - OUTLOOK AND TEAMS
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 422NC
Entry-level course to provide beginning information and training in the use of email software and online workspace collaborations tools. Covers sending and receiving e-mail messages, managing contacts, and business email etiquette. Provides instruction in using Calendar for scheduling appointments, planning meetings, recording meetings, scheduling events, and tasks feature. Course also introduces office 365 Teams, which is a workspace collaboration software tool providing chat-based discussion boards for exchanging texts and graphics.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 404NC SPREADSHEETS – MICROSOFT EXCEL
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 401NC and CIMA 422NC
Provides information and training in the use of computer-based spreadsheet software for business applications. Workbooks will be produced for a variety of applications. Using Microsoft Excel students will learn how to create workbooks, implement formulas/equations, format tables, perform lookup, create charts, and access databases.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 405NC MICROSOFT OFFICE 365 APPLICATIONS - ACCESS AND SHAREPOINT
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 401NC and CIMA 422NC
Entry-level course provides beginning information and training in the use of database software and cloud applications file sharing. The desktop application Microsoft Access will be used to demonstrate database queries, tables, and forms. Course also includes introduction to modern-day cloud-based application SharePoint. SharePoint is a browser-based business and file sharing collaboration and document management platform. Class will include creating a mobile Microsoft Power App that uses a SharePoint sharable lists generated from local a Microsoft Access databases.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 406NC QUICKEN PERSONAL FINANCIAL LITERACY
0.0 Unit 1.00 hour Lecture 1.50 hours Lab

Recommended Preparation: BUS 472NC
This course covers Quicken a personal finance management tool developed by Quicken Inc. With Quicken, you can view your banking, investment, retirement, and credit card accounts - all in one place. In this course, one will learn how to use Quicken to view balances, budgets, accounts, and transactions, see spending trends and more, check investment performance, search transaction history, keep your finances continually up to date, learn to sync data across desktop, web, and mobile.
Grading Method: NC - Noncredit
R-E-3

CIMA 408NC BUSINESS PRESENTATIONS – MICROSOFT POWERPOINT
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 401NC and CIMA 422NC
Surveys the concepts, structures, and processes utilized in developing and managing professional business presentations using commercially available software packages such as Microsoft PowerPoint. Students will create a variety of presentation formats.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 412NC MANAGING PROJECTS WITH MICROSOFT PROJECT
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Learn to create a complete Microsoft Project schedule with tasks and task relationships. Edit and organize a project, assign resources to the tasks, and use Project views to get information. Learn to sort, find, and filter tasks or resources in a project; use views, tables, details, groups, and filters to view project information; create and edit views, tables, and filters; shorten the critical path of the project and use task paths; manage the project's resources; manage and view cost information; format and print views, Gantt charts, calendars, and reports; and track the completion of tasks in the project.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

CIMA 415NC MICROSOFT EXCEL FOR DATA ANALYTICS
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Recommended Preparation: CIMA 404 NC and knowledge of pivot tables
Analysis of organizational data for business decision-making using Excel. Data modeling techniques will be used to data mine and organize data from various sources, including databases, text data, and unstructured data repositories. Students will work with data to correct errors, combine different data sources, and format the results for understanding. Popular data analytics tools Microsoft's Power BI, Tableau, and other tools will be used for data analytics and data visualization in the course. Includes preparation for professional data analytics certifications. Previous Excel courses or knowledge is required.
Grading Method: NC - Noncredit
R-E-4

CIMA 421NC KEYBOARDING FOR COMPUTERS - BEGINNING
0.0 Unit 0.50 hour Lecture 3.00 hours Lab

This is a beginning level keyboarding course designed to build effective keyboarding skills with an emphasis on building correct touch-typing techniques for alphanumeric, symbol, and punctuation keys. For business and/or personal use. Introduces basic computer operation; no previous computer or typewriting experience required. Course provides training to be able to type 15 words per minute.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 422NC KEYBOARDING FOR COMPUTERS - INTERMEDIATE
0.0 Unit 0.50 hour Lecture 3.00 hours Lab
Prerequisite: CIMA 421NC

This is an intermediate level course that builds on a basic keyboarding foundation with correct touch-typing techniques, including alphabetic, numeric, and symbol keyboarding as well as 10-Key numeric keypad. Skill-building includes introductory formatting of documents using Microsoft Word. Builds keyboarding speed and accuracy. Introduces word processing command keys and formats to produce basic tables, business letters, memos, and reports. Course provides training to be able to type 30 words per minute.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIMA 488NC INTRODUCTION TO DATA ANALYTICS - DATA REPORTING TABLEAU
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Introduction to Data Analytics provides students with the knowledge and skills to turn raw data into business intelligence using tools such as Microsoft Power BI and Tableau. Students will create data visualizations, dashboards, and reports that can be analyzed and shared. Students will create basic data models by connecting to various data sources.
Grading Method: NC - Noncredit
R-E-4

Computer Information Systems [CIS] (Noncredit)

CIS 405NC WORKFORCE PREPARATION DATABASE SQL
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Introduction to relational databases and the Structured Query Language (SQL). The course uses SQL to create, manipulate, and query databases. The course also explores various artificial intelligence (AI) topics, such as AI-data analytics and leveraging large language models into SQL queries. Covers the fundamentals of a relational database, basic selection queries, sub-queries, multiple table queries, joins, aggregate calculations, updating data, SQL database administration, data definition and manipulation, views, sorting, triggers, constraints, indexes, and a basic introduction to PL/SQL. The course also touches on NoSQL and cloud databases.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

CIS 415NC CREATING WEB PAGES USING ADOBE, HTML, CSS AND OTHER TOOLS
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

The course provides workforce preparation in web development, client-side web page creation using Dynamic HTML (DHTML), Adobe Creative Cloud, WordPress, cloud drives, Bootstrap, AI-driven HTML validation, AI-powered CSS and HTML code generation, Adobe Firefly AI-assisted content creation, and other popular products. Class focuses on basic HTML, CSS, CSS3, RWD (Responsive Web Design), and relevant Adobe Creative Cloud development tools. Discuss how to W3C validate, AI validation, and debug web pages using Dreamweaver, web browsers, inspect, and AI-driven HTML/CSS debuggers. Create mobile web pages using bulletproof layouts, and apply CSS presentation to content with known structure and RWD frameworks like Bootstrap, HTML5, and CSS3 media queries.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

CIS 460NC WORKFORCE PREP WEB DEVELOPMENT INTRODUCTION PROGRAMMING
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

The course provides workforce preparation in web development programming at both the client and server sides. The course introduces various Artificial Intelligence (AI) related coding practices, such as chatbot integration using AI-API like Hugging Face or Google`s Dialogflow, Vibe AI code generation, and AI-guided syntax and logic checking. The class covers basic problem-solving skills in computer programming and scripting languages. The class covers programming language data types, control structures, operators, functions, events, objects, classes, flow control, syntax, debugging, IDE (Integrated Development Environment), and software development strategies. The course includes an analysis of client-side versus server-side programming environments and languages. The client-side scripting language JavaScript and the popular JavaScript framework jQuery are emphasized.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

CIS 471NC MICROSOFT CLOUD AZURE CERTIFICATION EXAM
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Prepares students for Microsoft Certified Exam initial Azure Cloud exam. Specifically, the course covers concepts of the cloud including virtual machines, networking, security, web services and determining costs. The course includes the fundamental concepts of the cloud.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIS 472NC MICROSOFT CYBERSECURITY CLOUD SECURITY CERTIFICATE EXAM
0.0 Unit 2.00 hours Lecture 3.00 hours Lab
Prerequisite: CIS 471NC

Prepares students for the Microsoft Certified Security, Compliance, and Identity Fundamentals Exam. This course allows students to describe Microsoft Security, Compliance, and Identity solutions and capabilities across Azure and Microsoft 365, so that they can apply those learnings in defining end-to-end solutions to real-world scenarios
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIS 473NC MICROSOFT ADVANCED EXAMS AI AND MACHINE LEARNING
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Prepares students for specialized and advanced Microsoft Certification cloud-related exams including Artificial Intelligence and Machine Learning. Course emphasis will vary depending on market conditions and demands.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIS 481NC CCNA 1 CISCO CERTIFIED NETWORK ASSOCIATE
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Qualifies the student to take the first CCNA exam in the CCNA 7.0 network academy. This course covers advances in modern network technologies and the implementation of initial settings, including passwords, IP addressing, and default gateway parameters on a network switch and end devices. The course explains how network protocols enable devices to access local and remote network resources, and how physical layer protocols, services, and network media support communications across data networks. The course also covers calculating numbers between decimals and binary numbers.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

CIS 482NC CCNA 2 CISCO CERTIFIED NETWORK ASSOCIATE

0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Prerequisite: CIS 481NC

Qualifies the student to take the CCNA 2 exam in the CCNA 7.0 network academy. This course covers: configuring devices by using security best practice, forwarding data with Layer 2 switches forward, VLANs and trunking in a switched network, Inter-VLAN Routing Troubleshooting, STP redundancy in a Layer 2 network, EtherChannel, DHCPv4 across multiple LANs, SLAAC and DHCPv6, dynamic address allocation in IPv6 networks, FHRP, LAN security, switch security, WLANs for network connectivity, and WLAN using a wireless router and WLC. Course also covers how routers use information in packets to make forwarding decisions, configuring IPv4 and IPv6 floating static routes and troubleshooting static and default route configurations.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

Cosmetology [COS] (Noncredit)

COS 401NC ESTHETICIAN BEGINNER-LEVEL 1

0.0 Unit 4.50 hours Lecture 13.58 hours Lab

Limitation on Enrollment: Students must be a minimum of 16 years of age to enroll in this course. California State Board of Barbering and Cosmetology Business and Professions Code Section 7324 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (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.
First of two courses designed to prepare students for the state licensing examination. Includes State Board Acts and Regulations, health and safety, sanitation and disinfection. Students will learn facials, hair removal, eyebrow and lash beautification and makeup applications. Upon completion of 600 hours and passing the state examination, students will be prepared as an entry-level esthetician and can perform facials, microdermabrasion, eyebrow arching and hair removal, and become a make-up artist, skin care professional, or representative. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3 - Repeatable up to 3 times until qualification of 300 hours

COS 402NC ESTHETICIAN ADVANCED-LEVEL 2

0.0 Unit 4.50 hours Lecture 13.58 hours Lab

Prerequisite: COS 401NC or 300 hours of training

Second of two courses designed to prepare students for the state licensing examination. Students will perform manual, electrical, and chemical facials, microdermabrasion, all eyebrow and eyelash beautification and make-up. Provides students with communication skills that include professional ethics and salesmanship. Upon successful completion of 600 hours and passing the California State Board Examination, students will be prepared as an entry-level esthetician and can perform manual and electrical facials, microdermabrasion, eyebrow arching and hair removal, and become a make-up artist, skin care professional, or representative. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3 - Repeatable up to 3 times until qualification of 300 hours

COS 408NC HAIRSTYLING BEGINNER-LEVEL 1
0.0 Unit 4.50 hours Lecture 13.58 hours Lab

Limitation on Enrollment: Students must be a minimum of 16 years of age to enroll in this course. California State Board of Barbering and Cosmetology Business and Professions Code Section 7322 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (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.

First of two courses introducing the beginning principles and practices of hairstyling. Covers the Board of Barbering and Cosmetology Acts and Regulations, health, safety, and disinfection and sanitation. Includes basic shampooing, blow drying, curling, and hairstyling. Introduces basic haircutting, scalp massage, non-chemical straightening. Both theory and practical applications required by the California Board of Barbering and Cosmetology will be covered. Students will be introduced to the clinic floor performing client services. The 600-hour program is designed to prepare students for the hairstyling examination and as an entry-level hairstylist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 300 hours

COS 409NC HAIRSTYLING ADVANCED-LEVEL 2
0.0 Unit 4.50 hours Lecture 13.58 hours Lab

Prerequisite: COS 408NC or 300 hours of training

Second of two courses designed to prepare students for the state licensing examination. Presents advanced principles and practices of Hairstyling including braiding, up styles, thermal styling, curling, waving the hair, cleaning or stimulating/massaging the scalp, face, or neck by means of hands. Includes advanced haircutting techniques using shears, razors, texturizing sheers, and clippers. Continued instruction, and demonstration of State Board Rules and Regulations, health and safety, disinfection and sanitation, client, and technician protection. The 600-hour program is designed to prepare students for the hairstyling examination and as an entry-level hairstylist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 300 hours

COS 411NC MANICURING BEGINNER-LEVEL 1
0.0 Unit 3.00 hours Lecture 9.05 hours Lab

Limitation on Enrollment: Students must be a minimum of 16 years of age to enroll in this course. California State Board of Barbering and Cosmetology Business and Professions Code Section 7326 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (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.

First of two courses introducing the beginning principles and practices of manicuring: nail anatomy, structure, growth, disorders, and diseases. Instruction in proper use of instruments, equipment, and electrical tools. Covers Board of Barbering and Cosmetology Acts and Regulations, as well as principles of salesmanship and skills serving the public. Introduces students to the clinic floor doing client services. At completion of 400 hours and passing the California State Board manicuring examination, students will be prepared as an entry-level manicurist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 200 hours

COS 412NC MANICURING ADVANCED-LEVEL 2
0.0 Unit 3.00 hours Lecture 9.05 hours Lab

Prerequisite: COS 411NC or 200 hours of training

Second of two courses introducing advanced principles and practices of manicuring. Includes nail tips, wraps, repairs, nail enhancements and light cured gels. Chemistry as it relates to the composition of cosmetic material used in manicuring is also covered. Course includes both theory and practical applications required by the California Board of Barbering and Cosmetology. Students will continue to work on the clinic floor doing client services. At completion of 400 hours and successfully passing the California State Board examination, students will be prepared as an entry-level manicurist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 200 hours

COS 415NC COSMETOLOGY BEGINNER-LEVEL 1

0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Limitation on Enrollment: Students must be a minimum of 16 years of age to enroll in this course. California State Board of Barbering and Cosmetology Business and Professions Code Section 7321 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (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.

First of four courses introducing the basic science and application of Cosmetology. Includes State Board Acts and Regulations, bacteriology, anatomy, physiology, health and safety. Students will demonstrate disinfection, sanitation, and client protection. Students will learn and perform scalp treatments, haircut and styles, chemical straightening, tinting, bleaching, eyebrow arch, makeup application, facials, pedicures, and manicures. The 1,000-hour program is designed to prepare students for the Cosmetology examination and as an entry-level Cosmetologist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 416NC COSMETOLOGY INTERMEDIATE-LEVEL 2

0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 415NC or 250 hours of training

Second of four courses, learning the science and application of Cosmetology. Including continued instruction on the California State Board Acts and Regulations, hair and scalp analysis, hair cutting and styling, permanent waving, chemical cosmetics preparations, facial analysis, and electricity. Theory and practical instruction in sanitation and disinfection and health and safety. Students will perform hairstyling, chemical, skin care, and manicuring services on a client or mannequin. The 1,000-hour program is designed to prepare students for the Cosmetology examination and as an entry-level Cosmetologist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 417NC COSMETOLOGY ADVANCED-LEVEL 3

0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 416NC or 500 hours of training

Third of four courses in advanced science and application of Cosmetology. Includes instruction and demonstration in State Board Acts and Regulations, hygiene, ergonomics, disease identification, biology, anatomy, customizing services, advanced analysis, texturized cutting, and electrical facials. Students will perform advanced haircutting and styling, permanent wave and straightening, custom hair coloring, wax hair removal, makeup, manicure, acrylic nails, and pedicures on a client or mannequin. The 1,000-hour program is designed to prepare students for the Cosmetology examination and as an entry-level Cosmetologist. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 418NC COSMETOLOGY PROFICIENT-LEVEL 4

0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 417NC or 750 hours of training

Last of four courses, completing the state mandated 1,000-hours of training. Focus is student preparation for the Cosmetology licensing examination and learning business skills to pursue a job as an entry-level Cosmetologist. Lecture, demonstration, and lab will include written tests, and mock-up exams with mannequins, including color application, haircuts, hair styling, facials, all eyebrow and lash applications, makeup, using electrical equipment, manicures, and pedicures while maintaining disinfection and sanitation. Students will continue to work on the clinic floor doing client services.This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 420NC BARBERING BEGINNER-LEVEL 1
0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Limitation on Enrollment: Students must be a minimum of 16 years of age to enroll in this course. The California State Board of Barbering and Cosmetology Business and Professions Code Section 7321.5 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (a) is not less than 17 years of age, (b) has completed the 10th grade in the public schools of this state or equivalent.

First of four courses introducing basic shaving, hairstyling, permanent waving and chemical straightening, scalp treatments, hair cutting, hair coloring and bleaching. Covers the California Board of Barbering and Cosmetology Acts and Rules and Regulations including proper health and safety as well as disinfection and sanitation procedures. Both theory and practical applications required by the California Board of Barbering and Cosmetology will be covered. Students will be introduced to the clinic floor doing client services. The 1,000-hour program is designed to prepare students for the Barbering examination and as an entry-level Barber. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 421NC BARBERING INTERMEDIATE-LEVEL 2
0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 420NC or 250 hours of training

Second of four courses, learning the science and application of Barbering. Includes continued instruction and demonstration on State Board Rules and Regulations, disinfection, sanitation, health and safety, hygiene, ergonomics, disease identification, biology, anatomy, customizing services, advanced analysis, and textured cutting. Students will perform all Barbering applications on a client or a manikin. Includes both theoretical and practical applications required by the California Board of Barbering and Cosmetology. The 1,000 hour program is designed to prepare students for the Barbering examination and as an entry-level Barber. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 422NC BARBERING ADVANCED-LEVEL 3
0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 421NC or 500 hours of training

Third of four courses preparing students for the Barber examination. Shaving and facial hair design of the mustache and beard, scalp and hair treatments, scalp and facial massage manipulations and techniques, and learning various skin disorders. Proper handling of instruments/tools such as the straight razor, haircutting shears, and clippers. Teaches communication including professional ethics and salesmanship. Learn basic record keeping: client service record cards and State Board applications, while maintaining proper table set-up with sanitation and disinfection procedures and continuing to work on the clinic floor performing client services. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 423NC BARBERING PROFICIENT-LEVEL 4
0.0 Unit 3.75 hours Lecture 11.31 hours Lab

Prerequisite: COS 422NC or 750 hours of training

Last of four courses introducing advanced principles and practices of Barbering. Includes demonstrating competence in shear, razor, clipper cutting, tapering, blending, thinning, texturizing techniques, and safe handling of tools. Learning business skills, how to build a resume and employment portfolios. At completion of 1,000 hours and passing the California Board examination, students will be prepared as an entry-level barber. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 250 hours

COS 424NC BARBER CROSSOVER BEGINNER-LEVEL 1

0.0 Unit 3.00 hours Lecture 9.05 hours Lab

Limitation on Enrollment: Students must have a current California Cosmetology license to enroll in the Barber Crossover class. Students must be a minimum of 17 years of age to enroll in this course. California State Board of Barbering and Cosmetology Business and Professions Code Section 7321.5 provides that the minimum qualifications for an applicant to sit for the licensure examination are that the applicant: (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.

The Barber Crossover Program is for a licensed Cosmetologist who would like to obtain a Barbering License. The two 200-hour courses are designed to meet the minimum California Board of Barbering and Cosmetology Standards. This course consists of technical instruction and practical operations covering the basic fundamental Barber practices that are not a part of the required training or practice of a Cosmetologist. Topics include health and safety, sanitation and disinfection, hair cutting, shaving and trimming of the beard. At completion of 400 hours, students will be able to take the California State Board of Barbering Examination. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 200 hours.

COS 425NC BARBER CROSSOVER ADVANCED-LEVEL 2

0.0 Unit 3.00 hours Lecture 9.05 hours Lab

Prerequisite: COS 424NC

The Barber Crossover Program is for a licensed Cosmetologist who would like to obtain a Barbering License. The second of two 200-hour courses is designed to meet the minimum California Board of Barbering and Cosmetology Standards. This course consists of advanced technical instruction, and includes advanced shaving and facial hair design of the mustache and beard, shear, razor, clipper cutting, tapering, blending, thinning, and texturizing techniques. At completion of 400 hours, students will be able to take the California State Board of Barbering Examination. This is an open-entry/open-exit class with a required minimum number of combined lecture/lab hours per week.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-3 - Repeatable up to 3 times until qualification of 200 hours.

Emergency Medical Technology [EMT] (Noncredit)

EMT 407NC EMERGENCY MEDICAL TECHNICIAN PROCEDURES NC

0.0 Unit 10.00 hours Lecture 3.00 hours Lab

Corequisite: EMT 417NC

Limitation on Enrollment: Current clinical placement requirements

Designed to develop students into proficient and compassionate pre-hospital emergency professionals who conduct themselves with integrity and humility. Covers the cognitive, psychomotor, and affective aspects of Basic Life Support level pre-hospital care as identified in the National EMS Education Standards, including biochemistry, anatomy, physiology, pathophysiology, assessment and treatment interventions, operations, administration, safety, and well-being. Students must achieve an overall final grade of 80% or above in EMT 407NC, and successfully complete all four clinical shifts in EMT 417NC, to be awarded a course completion certificate, which is required to take the National Registry EMT written examination and become certified as an EMT. Also satisfies Orange County EMT accreditation training requirements.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-1

EMT 417NC EMERGENCY MEDICAL TECHNICIAN CLINICAL OBSERVATION NC

0.0 Unit 3.00 hours Lab

Corequisite: EMT 407NC

Limitation on Enrollment: Current clinical placement requirements

Provides opportunity to practice clinical skills in hospital emergency department, on an ambulance, and/or during in-class or online scenarios. Successful completion of both EMT 407NC and EMT 417NC is required to be eligible to take the National Registry EMT examination and become certified as an EMT. Corequisite course for EMT 407NC.

Grading Method: SP - Noncredit Graded Pass/SP/No Pass

R-E-1

English [ENG] (Noncredit)

ENG 332NC READING AND VOCABULARY SKILLS LABORATORY-ESL
0.0 Unit 1.50 hours Learning Center

A lab designed for ESL students to supplement courses requiring English language proficiency, inclusive of courses in, but not limited to, the social and behavioral sciences; health sciences; liberal arts; fine arts; business science; and math, science and engineering. Emphasis is on individual instruction responding to diagnosed needs or problems and on practice to improve language-related skills. Areas to be covered include spelling, reading comprehension, textbook reading, and vocabulary development. This is an open-entry/open-exit class. This course is offered on a pass/no pass basis.
Grading Method: NC - Noncredit
R-E-99

ENG 343NC ACADEMIC READING AND STUDY SKILL FOR CONTENT AREA LAB
0.0 Unit 1.50 hours Learning Center

Provides individualized, discipline specific instruction in how to understand, organize and assimilate information in college textbook readings. Contextualized instruction and practice in strategies such as as annotation, Cornell note-taking, effective test taking strategies and creating concept maps will be provided. In addition, specific content area vocabulary knowledge will be emphasized. This is an open-entry/open-exit class.
Grading Method: NC - Noncredit
R-E-99

English as a Second Language [ESL] (Noncredit)

ESL 320NC BEGINNING MULTISKILLS I
0.0 Unit 6.00 hours Lecture

A low-beginning course in English for non-native speakers. Emphasis is on speaking, listening, reading, writing, grammar, and vocabulary. This course may be offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 321NC BEGINNING MULTISKILLS II
0.0 Unit 6.00 hours Lecture

Recommended Preparation: ESL 320NC or ESL 320
A high-beginning course in English for non-native speakers. Emphasis is on listening, speaking, reading, writing, grammar, and vocabulary. Continues the familiarization with customs and culture. This course may be offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 322NC BEGINNING CONVERSATION
0.0 Unit 3.00 hours Lecture

Initiates the ESL conversation series with emphasis on everyday conversation. Topics encompass basic oral/aural skills students need for survival. This course may be offered for zero units. This course may be offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 323NC BEGINNING PRONUNCIATION
0.0 Unit 3.00 hours Lecture

Designed to enable students to recognize and reproduce the sounds and intonation patterns of American English. Through intensive pronunciation drills, listening activities, free speaking, and reading of selected simplified passages, students develop confidence in speaking situations. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 325NC BEGINNING READING AND WRITING
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 320NC or ESL 320
Designed for the non-native speaker of English focusing on beginning-level reading and writing skills. Emphasis in writing is on beginning-level sentence patterns, basic spelling, basic conventions of standard written English, and basic paragraph forms. Emphasis in reading is on literal comprehension. Expansion of vocabulary is emphasized. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 330NC INTERMEDIATE MULTISKILLS I
0.0 Unit 6.00 hours Lecture

Recommended Preparation: ESL 321NC or ESL 321
A low-intermediate course in English for non-native speakers. Emphasis is on further development in listening, speaking, reading, writing, grammar and vocabulary. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 331NC INTERMEDIATE MULTISKILLS II
0.0 Unit 6.00 hours Lecture

Recommended Preparation: ESL 330 or ESL 330NC
A high-intermediate English course for non-native speakers. Emphasis is on listening, speaking, reading, writing, grammar, and vocabulary. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 332NC INTERMEDIATE CONVERSATION
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 321NC or ESL 321 or ESL 322NC or ESL 322
The second in the ESL conversation series emphasis on both formal and informal expression and conversation in American English. Topics and vocabulary are expanded. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 333NC INTERMEDIATE PRONUNCIATION
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 323NC or ESL 323
An intermediate-level pronunciation course designed for on-native speakers which enables students to recognize, distinguish, and produce the sounds and intonation patterns of American English. Students continue to develop confidence in speaking and comprehension through extensive practice, imitation, sound discrimination, dialogue, response, and reading. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 335NC INTERMEDIATE WRITING I
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 321NC or ESL 321 or ESL 325NC or ESL 325
Designed for the non-native speaker of English focusing on intermediate-level writing skills. Emphasis is on gaining control of intermediate level sentence patterns, basic conventions of standard written English, and basic paragraph forms. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 336NC INTERMEDIATE WRITING II
0.0 Unit 3.00 hours Lecture

Designed for the non-native speaker of English focusing on high-intermediate-level writing skills. Emphasis is on gaining control of high-intermediate-level sentence patterns, conventions of standard written English and paragraph forms. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course may be offered for zero units. The unit version of this course may not be repeated.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 340NC ADVANCED MULTISKILLS
0.0 Unit 6.00 hours Lecture

Recommended Preparation: ESL 331NC
An advanced English course for non-native speakers, incorporating academic language skills. Emphasis is on further development in listening, speaking, reading, writing, grammar, and vocabulary. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

ESL 342NC ADVANCED CONVERSATION
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331 or ESL 332NC or ESL 332
Completes the ESL conversation series and aids the ESL student in fluency in both formal and informal conversation in American English within a variety of societal contexts: social, work, and school situations. Topics may be of a controversial nature. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 343NC ADVANCED PRONUNCIATION
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 333NC or ESL 333
Completes the ESL pronunciation sequence. Emphasis on accent reduction, pronunciation accuracy, auditory discrimination, conversation techniques, and selective listening skills. Develops stress distinctions and intonation patterns in order to communicate intent and meaning. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 344NC IDIOMS AND EXPRESSIONS IN AMERICAN ENGLISH
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331
An advanced vocabulary course focusing on the idioms and expressions of American English. Designed to help non-native speakers understand and use, in both speech and writing, common and useful English idioms and expressions. Introduces phrasal verbs and collocations. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 345NC ADVANCED WRITING I
0.0 Unit 3.00 hours Lecture

Corequisite: ESL 802NC
Designed for the non-native speaker of English focusing on advanced-level writing skills. Emphasis is on gaining control of complex sentence patterns and standard rhetorical patterns. Reading, vocabulary, and grammar activities support and supplement writing instruction. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 346NC ADVANCED WRITING FOR WORK
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331
Designed to improve non-native speakers' reading comprehension and written communication skills necessary for advanced-level work using "real world" texts. Students summarize examples of American business and technical communication, design, write, and analyze different communication examples of memoranda, letters, descriptions, instructions, and other reports focusing on impact, accuracy, and clarity in relation to audience and purpose. Students also review sentence structure and grammar as needed. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 347NC ADVANCED GRAMMAR REVIEW
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331
Begins the advanced, rapidly-paced grammar sequence for non-native speakers of English. Emphasis is on structures particularly difficult for non-native speakers such as the English verb system in all tenses and aspects, including passive voice, modals, and modal-like expressions. Writing of original sentences, applying correct structure and stresses appropriate punctuation. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 354NC VOCABULARY SKILLS FOR COLLEGE
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 340NC or ESL 340
Designed to help non-native speakers of English expand and acquire a college-level vocabulary and idiomatic expressions necessary for academic and vocational courses. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 355NC ESL READING FOR COLLEGE: AMERICAN LITERATURE
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 340NC or ESL 340 or ESL 345NC or ESL 345
Introduces advanced ESL students to techniques for understanding and appreciating excerpts and complete works of fiction, drama, and poetry by American writers. Students write summaries, journal entries, and character analyses and take part in discussions, dramatic activities, and presentations in response to specific works studied. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 357NC GRAMMAR REVIEW FOR COLLEGE
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331 and ESL 347NC or ESL 347
Completes the advanced, rapidly-paced grammar sequence for non-native speakers of English. Emphasis is on structures particularly difficult for speakers of English as a second language such as gerunds and infinitives in both active and passive voice, and noun, adjective, and adverb clauses, including clauses of condition. Writing of original compound and complex sentences with appropriate transitions and punctuation is stressed. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

ESL 359NC AMERICAN LANGUAGE AND CULTURE THROUGH FILM
0.0 Unit 3.00 hours Lecture

Recommended Preparation: ESL 331NC or ESL 331
In this content-based course, students are introduced to selected periods of American history and aspects of American culture through film. Discussion and writing assignments are based on background readings which complement these films. Film provides students with visual, kinesthetic and auditory modes of learning which makes it a highly effective method of enhancing second or foreign-language acquisition. It also offers opportunities to learn idiomatic expression, pronunciation and vocabulary as well as improve listening comprehension while gaining insight into American culture. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 380NC ADVANCED ACADEMIC WRITING I
0.0 Unit 6.00 hours Lecture

Prerequisite: Placement by the current assessment process or successful completion of ESL 340, ESL 340NC, or comparable course with a grade of "C" or better or "P" if taken for no credit

The first in the series of advanced academic writing courses designed for non-native speakers to develop greater proficiency in reading comprehension and written communication necessary for college-level work. Students summarize articles from a variety of academic disciplines and discuss current issues especially in American, western, and other cultures and relate those issues to their own culture and experiences. Students develop fluency and confidence by writing and rewriting thesis-based essays. (formerly ESL 350NC) This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-4

ESL 390NC ADVANCED ACADEMIC WRITING II
0.0 Unit 6.00 hours Lecture

Prerequisite: Placement by the current assessment process or successful completion of ESL 80, ESL 180, or ESL 350 with a grade of "C" or better or completion of ESL 380NC with a grade of "P".

This course is designed for non-native English learners advancing their proficiency in academic reading and writing. Students critically analyze a range of college-level texts and literary sources that provide varying perspectives on language and culture and how these perspectives shape one's perception of the world. Students research and synthesize these ideas into well-developed, objective and subjective written responses using a variety of rhetorical strategies and devices. Research strategies, academic vocabulary, appropriate language conventions, and integration of sources are also covered. Successful completion prepares students to enroll in ENGL C1000 or C1000H. Zero units; open-entry/open-exit.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
NR

ESL 802NC ADVANCED WRITING I LAB
0.0 Unit 1.50 hours Learning Center

Corequisite: ESL 345NC

Enhances and provides practice in skills learned in ESL 345. Focus is on the development of spelling, vocabulary, grammar, punctuation and reading skills leading to improved writing. This course is offered for zero units on an open-entry/open-exit basis.
Grading Method: NC - Noncredit
R-E-4

Health [HLTH] (Noncredit)

HLTH 401NC CONTEMPORARY HEALTH ISSUES
0.0 Unit 3.00 hours Lecture

An exploration into traditional and holistic health topics as they affect the individual, family, community and society. General topics include mental health and stress reduction techniques, emotional wellness, and communication skills. Specific topics include; sexuality and intimate relationships, nutrition, weight management, fitness, aging, dying, narcotics, alcohol, tobacco, reproductive choices, infectious diseases, cardiovascular health, cancer, sleep, and alternative medicine.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Health Science [HSC] (Noncredit)

HSC 404NC MEDICAL TERMINOLOGY
0.0 Unit 3.00 hours Lecture

Introduces medical terms, through the analysis of word roots, prefixes, suffixes and combining forms to create medical terms. Students demonstrate and practice accurate term pronunciation and spelling to create a medical vocabulary for use in medical and healthcare settings. Includes terms related to major diseases, diagnostics, physical examination and specialty procedures and common treatments that are used to communicate in the medical field. Noncredit course. Students intending to transfer should take HSC 104.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

HSC 422NC BASIC LIFE SUPPORT - CPR AMERICAN HEART ASSOCIATION
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Recommended Preparation: Previous experience or course work in health care field (EMT, Paramedic, Nursing, etc.)
Hybrid course with online coursework to be completed prior to on campus skills practice/testing session. Provides instruction, practice, & return demonstration of CPR, AED use & foreign body airway obstruction relief maneuvers. Techniques for adults, children, & infants for one & two rescuers will be taught/ted according to the current American Heart Association (AHA) Guidelines Update for CPR & Emergency Cardiovascular Care (ECC). Early recognition, appropriate intervention & high quality CPR techniques. Recommended for healthcare personnel. Satisfactory completion of the course (skills demonstration & written exam) will provide an American Heart Association (AHA) Basic Life Support course completion; cards valid for 2 years. (formerly HSC 222NC)
Grading Method: NC - Noncredit
R-E-99

HSC 423NC BASIC LIFE SUPPORT-CPR RENEWAL AMERICAN HEART ASSOCIATION
0.0 Unit 0.50 hour Lecture

Limitation on Enrollment: Current American Heart Association BLS course completion card (AHA BLS Healthcare Provider card)
Provides review and update with practice, and return demonstration of CPR, AED use and foreign body airway obstruction relief maneuvers. Techniques for adults, children, and infants for one and two rescuers will be taught and tested according to the current American Heart Association (AHA) Guidelines Update for CPR and Emergency Cardiovascular Care (ECC). Early recognition, appropriate intervention and high quality CPR techniques will be emphasized. This course is recommended for healthcare personnel. Satisfactory completion of the course (skills demonstration and written exam) will provide an American Heart Association (AHA) Basic Life Support course completion card. (formerly HSC 223NC)
Grading Method: NC - Noncredit
R-E-99

Human Services [HS] (Noncredit)

HS 476NC CO-OCCURRING DISORDERS
0.0 Unit 3.00 hours Lecture

An introduction to the identification of symptoms and the assessment process for the presence of co-occurring disorders (diagnoses of mental health conditions and substance use disorders). Explores the relationship of these conditions including an introduction to the Diagnostic and Statistical Manual of Mental Disorders; emphasizes the development of concurrent integrated treatment strategies, including the Recovery Model and the development of entry-level skills required of professionals who interact with individuals with co-occurring disorders. Course includes a service learning requirement.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Kinesiology - Adapted [KNEA] (Noncredit)

KNEA 300NC ADAPTED STRENGTH TRAINING
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Fitness class stressing strength, flexibility,and cardiovascular endurance. Designed for students that have participated in physical therapy, have a chronic medical diagnosis, or permanent disability.
Grading Method: NC - Noncredit
NR

KNEA 310NC ADAPTED WATER EXERCISE AND SWIMMING
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Consists of mobility, balance, gait training, strengthening, cardiovascular conditioning, flexibility, range of motion exercises, and modified swimming. Designed for those that have participated in therapy, rehabilitation, have chronic medical diagnoses or permanent disabilities.
Grading Method: NC - Noncredit
NR

Mathematics [MATH] (Noncredit)

MATH 300NC CALCULUS INSTRUCTIONAL SUPPORT LAB
0.0 Unit 3.00 hours Learning Center

Designed to provide instruction for all students who require additional support in their Calculus courses. Students are taught by trained instructors through Just-In-Time remediation and Directed Learning Activities that are designed to meet their individual content needs. Students are supported to monitor their own learning processes. This course is open-entry/open-exit.
Grading Method: NC - Noncredit
R-E-99

Medical Assisting [MA] (Noncredit)

MA 406NC INTRODUCTION TO MEDICAL ASSISTING
0.0 Unit 3.00 hours Lecture

Course covers basic concepts in medical assisting including the role of the medical assistant, career pathways, ethics, law, job duties, professionalism, scope of practice, patient education, safety, members of the healthcare team, cultural diversity, injury and infection prevention and current topics impacting the delivery of quality patient care. Designed for incumbent workers. Students pursuing the credit certificate should take MA 206.
Grading Method: PN - Pass/No Pass
R-E-3

MA 411NC PHYSICAL EXAMINATION PROCEDURES
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Students are taught skills required for work in the medical office including collection of patient data, measurements, how to perform vital signs, vision and hearing tests, pediatric, female, male and geriatric specialty exams, cultural considerations, patient education and preparing to assist the physician during examination procedures. Students learn about diagnostic imaging tests and physical therapy procedures. The course is designed for the incumbent worker.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 412NC MEDICAL OFFICE LAB PROCEDURES
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Teaching skills performed in the medical office laboratory, including patient preparation, accurate specimen collection and performance of Point of Care Testing, equipment calibration, regulatory compliance, OSHA, CLIA and CDC guidelines. Students identify methods of specimen collection, equipment, lab tests and normal versus abnormal values. Students demonstrate competencies related to collection of urine and blood, including venipuncture, capillary puncture, urine testing, throat, respiratory specimens, safe handling of blood and body fluids in compliance with regulatory and industry standards. Pass/No Pass, Non-credit only. The class is intended for incumbent workers seeking additional job skills.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 413NC MEDICAL ASEPSIS AND SURGICAL PROCEDURES
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Students learn medical-office clinical skills, infection prevention, regulatory safety standards for work in a physician's office or ambulatory clinic. Students demonstrate medical and surgical aseptic techniques, bandaging, wound care, surgical tray set up, disinfection and sterilization of equipment. Students identify instruments used for a variety of minor office surgical procedures. Designed for workers seeking additional skills training. Students complete the same assignments as the credit course.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 414NC MEDICATION ADMINISTRATION PROCEDURES
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Instruction on pharmacology, math calculations, conversions, drug classifications, anatomy and physiology, equipment, aseptic, sterile technique, patient education, documentation, emergency procedures, injections, skin testing, medication by inhalation and "Rights" of medication administration. Meets state training hours and requirements for medical assisting injection training and skills. Pass/no pass, noncredit only. Course intended for the incumbent worker seeking additional job skills.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 418NC ELECTROCARDIOGRAPHY FOR THE MEDICAL ASSISTANT
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Students learn skills related to diagnostic testing of the cardiopulmonary system, cardiac monitoring and 12-lead ECG. Emphasis on the cardiopulmonary system, anatomy, pathophysiology, correlation between cardiac structure and recording on the 12 lead. Course prepares students to work in a medical office, telemetry tech in a medical facility or healthcare organization or hospital. Students learn measurements, normal, abnormal and life threatening cardiac events and interventions. Intended for healthcare worker or student seeking additional job skills.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 424NC BASICS OF MEDICAL INSURANCE, BILLING AND REIMBURSEMENT
0.0 Unit 2.00 hours Lecture 3.00 hours Lab

Introduces students to the basics of medical insurance and billing. Covers terminology and procedures related to banking, billing, collections, claims, insurance plans, physician fees, payments, credit, and collection procedures used in the medical office, ambulatory and healthcare organizational settings.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

MA 482NC FUNDAMENTALS OF MEDICAL PRACTICE CODING
0.0 Unit 3.00 hours Lecture 1.00 hour Lab

Provides instruction and practice on financial procedures, insurance, billing, collections and coding practices used in medical offices, outpatient, ambulatory and hospital settings. Introduces Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS), and International Classification of Diseases (ICD) procedural principles and the relationship between coding, reimbursement, collections, insurance, administrative procedures and billing.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Medical Laboratory Technology [MLT] (Noncredit)

MLT 410NC INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION
0.0 Unit 1.00 hour Lecture

Introduces the student to the functions and responsibilities of the clinical laboratory assistant and phlebotomist in all departments of the clinical laboratory. Topics such as clinical laboratory safety, regulatory agencies, infection control policies, standard operating procedures, and professional communication will be presented. The student will learn medical terminology, patient's bill of rights, pre-analytical evaluation of specimens, the laboratory information and data management systems.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

MLT 411NC BASIC LABORATORY PROCEDURES
0.0 Unit 1.00 hour Lecture

Designed to introduce the student to basic clinical laboratory procedures common to all diagnostic-related tasks. The student will learn to comply with mandated regulations on safety practices, follow standard operating procedures, perform pre-analytical procedures, demonstrate effective communication, use the laboratory information system to receive and process specimens, and operate basic lab equipment.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

MLT 412NC PHLEBOTOMY
0.0 Unit 4.00 hours Lecture
Prerequisite: MLT 410NC and MLT 411NC
Corequisite: MLT 413NC
Limitation on Enrollment: Current malpractice insurance, health clearance, TB test results, drug screen, CPR card, background check required.
A California state approved full training program in phlebotomy. Provides students with a comprehensive knowledge of venipuncture, skin puncture, specimen collection and handling, standard precautions, laboratory safety, and basic medical terminology. Concepts of diversity and culturally competent care for individuals from culture groups within the United States are integrated.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

MLT 413NC PHLEBOTOMY LABORATORY EXPERIENCE
0.0 Unit 3.50 hours Lab
Corequisite: MLT 412NC
Limitation on Enrollment: Current malpractice insurance, health clearance, TB test results, drug screen, CPR card, background check required.
Provides direct patient care experience for students seeking venipuncture certification. Includes on-site experience in obtaining and processing specimens for a clinical laboratory. Leads to certification as a phlebotomist/laboratory assistant.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-1

Nursing [N] (Noncredit)

N 400NC HOME HEALTH AIDE
0.0 Unit 0.50 hour Lecture

The Home Health Aide program provides the student with the knowledge and skills required of home health agencies for basic personal care skills with effective communication to provide in-home assistance with nutrition, meal preparation, housekeeping, environmental safety and patient mobility. Program focuses on the role of the home health aide.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

N 401NC HOME HEALTH AIDE PRACTICUM
0.0 Unit 0.50 hour Lab
Prerequisite: N 400NC

The Home Health Aide practicum provides the student with the basic knowledge and skill to provide in home client assistance, personal care with nutrition, meal preparation, housekeeping, environmental safety and mobility.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

N 402NC EMERGENCY NURSE TRAINING THEORY
0.0 Unit 1.81 hours Lecture

Limitation on Enrollment: Registered Nurse LicenseAHA BLS Provider CPR cardNegative TB testInsurance coverageBasic computer skills
An introduction for experienced and new graduate registered nurses to emergency nursing emphasizing the adaptive behaviors for critical thinking and skilled response to emergency department patient care. Provides the theoretical foundation for emergency nurses to learn critical knowledge and skills to effectively communicate, prioritize, problem solve and implement decisive care successfully in the emergency care setting. Intended for new graduate RNs and RNs transferring from other areas of nursing to emergency care. The course uses the Emergency Nurses Association, Emergency Nursing Core Curriculum text book as a guide to focus on physical, psychosocial, and clinical practice issues presented by patients in the emergency setting.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

N 403NC EMERGENCY NURSE TRAINING PRACTICUM
0.0 Unit 13.01 hours Lab
Prerequisite: N 402NC
Limitation on Enrollment: Registered Nurse License AHA BLS Provider CPR cardNegative TB testInsurance coverageBasic computer skills
An introduction to emergency nursing emphasizing the adaptive behaviors for critical thinking and skilled response to emergency department patient care. This course will focus on the critical practicum in an Emergency setting providing patient care as well as integrate the skill to communicate, prioritize, problem solve and implement decisive care successfully in the emergency care setting. Intended for new graduate RNs and RNs transferring to Emergency Care nursing. The course uses the Emergency Nurses Association, Emergency Nursing Core Curriculum text book as a guide to focus on physical, psychosocial clinical practices issues presented by patients in the emergency setting.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

N 463NC SKILLS LAB--BASIC
0.0 Unit 1.00 hour Lab

Includes demonstration and practice of basic nursing skills and procedures necessary for the student at the fundamental level. Develops competency in performance of skills such as physical assessment, isolation, oxygenation, wound care, urinary catheters, medication administration, and other beginning skills. Recommended for students in N 170. Non-credit, open-entry/open-exit (formerly N 263NC).
Grading Method: NC - Noncredit
R-E-6

N 464NC SKILLS LAB--SPECIALTIES
0.0 Unit 1.00 hour Lab
Prerequisite: N 172

Includes demonstration and practice of nursing skills and procedures necessary for the student at the maternal child health-care level. Develops competency in performance of skills such as newborn assessment, fetal monitoring, and pediatric intravenous medications. Recommended for nursing students enrolled in N 173/N 174. Offered for non-credit only. Open entry/open exit (formerly N 264NC).
Grading Method: NC - Noncredit
R-E-6

N 465NC SKILLS LAB--ADVANCED
0.0 Unit 0.50 hour Lab

Includes demonstration and practice of nursing skills and procedures necessary for the student at the advanced medical-surgical level. Develops competency in performance of complex skills such as intravenous fluid administration, airway management, and Mock Code. Recommended for students enrolled in N 176. Open-entry/ open-exit. Offered non-credit only (formerly N 265NC).
Grading Method: NC - Noncredit
R-E-6

N 467NC SKILLS LAB--INTERMEDIATE
0.0 Unit 1.00 hour Lab

Includes demonstration and practice of intermediate skills and procedures necessary for the student at the intermediate medical-surgical level. Develops competency in performance of skills such as suctioning, IV insertion, and other sterile procedures. Recommended for students in N 172. Open-entry/open-exit. Offered for non-credit only (formerly N 267NC).
Grading Method: NC - Noncredit
R-E-6

N 468NC SKILLS LAB REVIEW
0.0 Unit 1.00 hour Lab

Recommended Preparation: Currently enrolled or on a remediation plan for re-entry into the nursing program.
Includes demonstration and practice of nursing skills and procedures performed by registered nurses in various settings. Is geared towards the student who has learned the skill in a previous course and desires more practice or application of the skill in a new setting. Open entry/open exit. Offered for non-credit only. Recommended for students in any core nursing course (formerly N 268NC).
Grading Method: NC - Noncredit
R-E-6

N 478NC NURSING COMMUNICATION SKILLS, PART I
0.0 Unit 0.50 hour Lecture

Limitation on Enrollment: Enrolled in Saddleback College Nursing Program.
Effective communication is essential in today's healthcare setting for promoting inter-professional collaboration, teamwork, patient-centered care, and ultimately, the improvement of patient outcomes. This course will serve to remediate nursing students who have been identified as needing to acquire and apply evidence-based communication techniques, either through self-referral or by a nursing instructor. Students will learn the value of positive, effective communication in the healthcare setting and in their own lives. This course is a part one of a two-part certification that will include communication in all forms: verbal and nonverbal, reading, writing and listening.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

N 479NC NURSING COMMUNICATION SKILLS, PART II

0.0 Unit 0.50 hour Lecture

Prerequisite: N 478NC

Effective communication is essential in today's healthcare setting for promoting inter-professional collaboration, teamwork, patient-centered care, and ultimately, the improvement of patient outcomes. This course will serve to remediate nursing students who have been identified as needing to acquire and apply evidence-based communication techniques, either through self-referral or by a nursing instructor. Students will learn the value of positive, effective communication in the healthcare setting and in their own lives. This course is a part two of a two-part certification that will include communication in all forms: verbal and nonverbal, reading, writing and listening.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Paramedic [PM] (Noncredit)

PM 400NC PARAMEDIC CAPSTONE REMEDIATION LAB

0.0 Unit 9.00 hours Learning Center

Prerequisite: PM 220 and PM 230

Students enrolled in this course would receive additional time, instruction, and opportunities to demonstrate the required competencies in four major areas. These include patient age categories; pathologies/patient complaints; motor skills; and the ability to manage a scene, perform patient assessment, direct medical care, and transport as a team leader in the Capstone Field Internship setting. The course would be open entry/open exit.
Grading Method: NC - Noncredit
R-E-4

Public Health [PH] (Noncredit)

PH 401NC INTRODUCTION TO PUBLIC HEALTH
0.0 Unit 3.00 hours Lecture

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community, including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PH 403NC HEALTH AND SOCIAL JUSTICE
0.0 Unit 3.00 hours Lecture

This course provides an introduction to the health inequities in the United States that stem from unequal living conditions. Students will explore how education, socioeconomic status, racism, and gender shape health epidemics and policy development. Fundamental theories to advocate for health and social justice will be explored, and community organizing approaches will be practiced.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PH 405NC DIRECTED PRACTICE FOR COMMUNITY HEALTH CARE WORKER
0.0 Unit 1.00 hour Lecture 6.00 hours Lab
Prerequisite: PH 406NC

Capstone course that examines and applies the concept of public health as it relates to community health workers. Topics include health education and promotion, health care system navigation, health access and outreach, and identifying social determinants of health and community disparities. Healthcare communication skills and relationship building between patient and provider will also be examined. On-site clinical placement for students in the Community Health Worker program to gain about 100 hours of meaningful work experience with local employers. Students will gain outside practicum experience. Required for the Community Health Worker Certificate of Completion.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PH 406NC FOUNDATIONS FOR COMMUNITY HEALTH WORKERS
0.0 Unit 3.00 hours Lecture

This foundational course prepares students for Community Health Worker (CHW) positions in the health and social service fields by providing an overview of the roles and responsibilities of the CHW. Course emphasizes skill development in areas such as cultural humility and client-centered assessment, contact tracing, communication, health education and counseling.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PH 410NC HEALTH SYSTEMS AND PERSPECTIVES
0.0 Unit 3.00 hours Lecture

Course provides students with an understanding of the U.S. healthcare system and health insurance options to facilitate efficient navigation through the healthcare system. Topics include the history of health insurance in the U.S. and the role of government in healthcare; the U.S. healthcare workforce; basic health insurance terminology; types of insurance and the healthcare marketplace; different types of care, including outpatient, ambulatory and long-term care; public assistance programs and disability programs; and ethical and bioethical issues.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PH 435NC RESOURCES AND SERVICES FOR OLDER ADULTS
0.0 Unit 3.00 hours Lecture

Course provides students with the knowledge and skills to access community resources and services for older adults and their caregivers. Includes an introduction to resources, services, eligibility requirements, funding, and the challenges associated with access. Provides an overview of strategies to locate resources and services through direct contact as well as web-based research is also presented. Supports development of the fundamental skills necessary to identify and acquire resources, programs, and services for older adults. Course includes a service learning requirement.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Public Health Informatics and Technology [PHIT] (Noncredit)

PHIT 400NC HEALTH INFORMATION SCIENCE
0.0 Unit 2.00 hours Lecture

Introduction to the health information management profession, including health services, organization and delivery methods; sources, collection, maintenance, and analysis of health data; structure and use, requirements and standards for health information; information systems.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PHIT 411NC INTRODUCTION TO HEALTH INFORMATICS
0.0 Unit 3.00 hours Lecture

Principles of healthcare informatics and various information technologies used in the management of health information; communication and network technologies; data, information and knowledge concepts; health data collection tools, health information exchanges (HIEs), data and interchange standards, consumer informatics, data integrity and security.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PHIT 430NC INTRODUCTION TO PUBLIC HEALTH INFORMATICS AND TECHNOLOGY
0.0 Unit 3.00 hours Lecture

Course provides an introduction to public health informatics. Students will gain an understanding of the basic concepts of public health, including the history and structure of public health in the United States. An overview of public health information systems and data will be explored and how they support public health.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

PHIT 440NC PUBLIC HEALTH DATA REPORTING TECHNIQUES
0.0 Unit 3.00 hours Lecture

Course focuses on the analysis of public health data for the purpose of generating information resulting in actionable decisions. The primary concepts covered in this course include health care statistics, data analysis, mining, and exploration. Microsoft Excel is utilized to analyze public health data and information related to clinical and business systems in healthcare. This course is designed for public health informatics and information technology majors.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Sociology [SOC] (Noncredit)

SOC 425NC SOCIOLOGY OF AGING
0.0 Unit 3.00 hours Lecture

Examines age as a social construct and aging as a social process. Course explores the effects of social institutions and social norms on the aging individuals. Topics covered are: the study of aging, ageism, sociological theories/ perspectives of aging, current social research on issues of aging, views of aging in other societies past and present, demographics of the aging population, the life course, race and ethnicity, the healthcare system, retirement and work, gender inequalities, housing and transportation, recreation and leisure, family life, and politics and social policies. Particular attention to the sociological perspective of the aging process will be investigated. Course includes a service learning requirement.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

Special Services [SPS] (Noncredit)

SPS 710NC MEMORY AND ATTENTION SKILLS
0.0 Unit 3.00 hours Lecture

Designed to provide students with disabilities an understanding of how the memory system is organized and how it works. The relationship between attention and memory is addressed and factors impacting these skills are recognized. Students will identify individual attention and memory difficulties and learn practical strategies to compensate for deficits.
Grading Method: NC - Noncredit
R-E-99

SPS 715NC LEARNING DEVELOPMENT
0.0 Unit 3.00 hours Lab

Designed as specialized prescriptive instruction based on individual needs focusing on basic skills development. Structured for the student with disabilities.
Grading Method: NC - Noncredit
R-E-99

SPS 716NC STUDY SKILLS FOR COLLEGE SUCCESS
0.0 Unit 2.00 hours Lecture

Designed for those needing support and instruction in test-taking, study skills, organization, critical thinking, and self-management while enrolled in a basic or developmental arithmetic course. Awareness of anxiety and stress management techniques will be discussed in addition to specific learning strategies (note-taking, reading a textbook, test-taking, etc) as they apply to all developmental skills, including writing, reading, and mathematics, in a college-level course.
Grading Method: NC - Noncredit
R-E-99

Tutoring [TU] (Noncredit)

TU 300 SUPERVISED TUTORING
0.0 Unit 3.00 hours Learning Center

Designed to provide assistance for all students who require additional support in their courses at the college, including basic skills, advanced and honors levels. Students are assisted by trained tutors who promote self-regulated learning, critical thinking, and problem solving on the part of student learners. Students are supported to monitor their own learning processes. This course is open-entry/open-exit.
Grading Method: NC - Noncredit
R-E-99

Adult Education Courses

Adult Education Basic Education [AEBE] (Noncredit) 646
Adult Education Basic Technology [AEBT] (Noncredit) 646
Adult Education English as a Second Language [AESL] (Noncredit) 646
Adult Education with Disabilities [AEWD] (Noncredit) 648
Adult Education Workforce Preparation [AEWP] (Noncredit) 649

Adult Education Basic Education [AEBE] (Noncredit)

AEBE 702NC ADULT EDUCATION BASIC EDUCATION INTERDISCIPLINARY STUDY
0.0 Unit 3.00 hours Lecture

This is a non-credit, open enrollment reading and writing course within the Adult Education Department that is designed for students who eventually plan to pass the state approved HSE exam. Course emphasizes development of strategies to effectively read and write in English for High School Equivalency (HSE) completion, and college and career readiness. Students read and report on fiction and non-fiction texts that relate to social studies, science and literature. Students meet composition objectives by writing well-organized and well-developed paragraphs and essays.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEBE 704NC ADULT EDUCATION BASIC EDUCATION MATH
0.0 Unit 3.00 hours Lecture

This is a non-credit, open enrollment Adult Basic Education Mathematics course within the Adult Education Department. Course emphasizes development of strategies to effectively solve mathematical problems for students who eventually plan to pass one of the three High School Equivalency (HSE) exams, follow a CTE pathway, or attend academic college courses. Students meet class objectives through the use of fractions, percents, ratios, and proportions to solve problems relating to measurements, geometry and basic algebra.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEBE 792NC ADULT EDUCATION BASIC EDUCATION INTERDISCIPLINARY/MATH LAB
0.0 Unit 3.00 hours Lab

This is a non-credit, open enrollment course within the Adult Education Department that is designed for students who eventually plan to pass the state approved HSE exam. This course will provide pre- and post-testing and individualized prescriptive support in preparation for the High School Equivalency exam. Covers test-taking strategies and the essentials of reading, writing, mathematics, science, and social studies.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

Adult Education Basic Technology [AEBT] (Noncredit)

AEBT 701NC ADULT EDUCATION BASIC TECHNOLOGY SKILLS I
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Course teaches basic computer and internet technology skills, Canvas Learning Management System, Zoom Videoconferencing software and office productivity software to adult learners using lecture and lab with practical application appropriate for ESL learners as well as native English speakers. Course is designed for students with limited to moderate computer knowledge. Students learn parts of the computer, keyboard and mouse operation, Microsoft Windows operating system and file management basics, screenshot methods, basics of working with Internet browsers, search engines, email and mobile devices, Canvas Learning Management System, Zoom App as videoconferencing software for personal, business, and school purposes. No prior computer experience is needed but students should have some basic English skills prior to enrolling.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEBT 702NC ADULT EDUCATION BASIC TECHNOLOGY SKILLS II
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Recommended Preparation: AEBT 701NC
Continuation of AEBT 701NC offering more office productivity software focusing on basic skills needed to succeed in today's school and business office environment. Exercises will include word processing, spreadsheet, presentation and communications software for entry-level employment. Students will also learn to navigate a learning management system used in college classes. Students will learn how to manage cloud storage Apps and review web-based office productivity software.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

Adult Education English as a Second Language [AESL] (Noncredit)

AESL 701NC BASIC LITERACY-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department designed for students who cannot read or write in English. They may or may not be literate in their primary language. Students will be introduced to the basic concepts of literacy in English. Students will learn to recognize and write the alphabet and numbers, to form English words and to develop their abilities to speak and understand English.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 702NC BEGINNING LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department that is designed for students who have emerging literacy skills in English. Students will practice communication skills in everyday situations and build vocabulary through listening, speaking, reading, writing and grammar activities.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 703NC BEGINNING HIGH-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department that is designed for students who have basic English language skills. Students will learn and communicate in everyday situations and build a larger vocabulary through listening, speaking, reading, writing and grammar activities. There will be emphasis on comprehending simple conversations, communicating survival needs, reading phrases and simple sentences, and performing communicative written tasks.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 704NC INTERMED. LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department that is designed for students who have intermediate language skills in English. Students will improve their listening comprehension, speaking, reading, writing and grammar. There will be emphasis on creative oral language activities, initial critical thinking skills in reading comprehension, and written tasks which begin to focus on academic skills.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 705NC INTERMED. HIGH-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department that is designed for students who have intermediate language skills in English. Students will improve their listening comprehension, speaking, reading, writing and grammar. Emphasis will be on understanding higher level language activities, reading passages with increased understanding, and increasing focus on creative and academic writing tasks.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 706NC ADVANCED LOW-ADULT EDUCATION ENGLISH AS A SECOND LANGUAGE
0.0 Unit 8.00 hours Lecture 1.00 hour Lab

This is a non-credit, open enrollment life skills course within the Adult Education Department that is designed for students who have a low-advanced level of proficiency in written English. Students will improve their reading, composition, grammar, listening comprehension, speaking, and study skills to prepare them for credit courses or high school equivalency (HSE) preparation courses. Emphasizes understanding higher level language activities, reading passages with increased understanding, and increasing focus on creative and academic writing tasks.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 708NC CITIZENSHIP PREPARATION - ADULT EDUCATION ESL
0.0 Unit 5.00 hours Lecture 1.00 hour Lab

A course in citizenship preparation within the Adult Education Department which provides development in listening, speaking, reading, and writing English within the context of history and government in preparation for the United States Citizenship examination. Recommended for students who have completed Beginning High ESL course or score at least 201 on CASAS placement test.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 710NC ADULT EDUCATION ESL FOR THE WORKPLACE I
0.0 Unit 2.00 hours Lecture 1.00 hour Lab

This noncredit course is designed to improve Intermediate ESL students' listening, reading, speaking and writing skills and likelihood of academic success in a CTE program and/or workforce. Focus will be on job-specific terminology, field-related readings, with an emphasis on oral communication through intermediate language skills instruction.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

AESL 720NC ADULT EDUCATION ESL FOR THE WORKPLACE II
0.0 Unit 2.00 hours Lecture 1.00 hour Lab

Recommended Preparation: AESL 710NC
This noncredit course is designed to improve advanced ESL students' listening, reading, speaking and writing skills and likelihood of academic success in a CTE program and/or workforce. Focus will be on job-specific terminology, field-related readings, with an emphasis on written communication through advanced language skills instruction.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-3

AESL 730NC ADULT EDUCATION ESL VOCABULARY DEVELOPMENT I
0.0 Unit 3.00 hours Lecture

Students will develop their acquisition of basic vocabulary words, common idioms, and simple phrases related to everyday topics and/or specific content areas. Students will work on mastering 150-200 new vocabulary items through a variety of listening, speaking, reading and writing activities. This noncredit course is designed for AESL students in the Basic Literacy, Beginning Low and Beginning High levels.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 740NC ADULT EDUCATION ESL VOCABULARY DEVELOPMENT II
0.0 Unit 3.00 hours Lecture

Recommended Preparation: AESL 730NC
Students will review, expand, and acquire vocabulary words, phrasal verbs, idioms, and phrases related to life skills, vocational and/or academic topics. Students will work on mastering 200-250 new vocabulary items through a variety of listening, speaking, reading and writing activities. This noncredit course is designed for AESL students in the Intermediate Low, Intermediate High, and Advanced levels.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 760NC ADULT EDUCATION ESL DIGITAL LITERACY I
0.0 Unit 3.00 hours Lecture

Designed for English learners to gain the language skills and vocabulary relating to basic computer skills needed to perform digital tasks in personal, work, and educational settings. The course introduces vocabulary about basic computer hardware, mouse skills, location of keys on the keyboard, basic level keyboarding, etc. Students will perform basic language activities in word processing, email applications, websites and apps on mobile devices. No prior computer experience is required. Non-credit, open-entry/open-exit course.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AESL 761NC ADULT EDUCATION ESL DIGITAL LITERACY II
0.0 Unit 3.00 hours Lecture

Recommended Preparation: AESL 760NC
Designed for English learners to gain the language skills and vocabulary relating to computer skills needed to perform digital tasks in personal, work, and educational settings. Builds on basic computer skills and introduces terminology about communication, spreadsheet and word processing software, and learning management system used in college. Students will perform language activities in word processing, email applications, websites, and apps on mobile devices while adhering to Internet safety rules. Non-credit, open-entry/open-exit course.
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

Adult Education with Disabilities [AEWD] (Noncredit)

AEWD 790NC COOPERATIVE LEADERSHIP SKILLS
1.00 hour Lecture

This course is designed to help students develop and apply leadership skills in vocational and college settings. Students will be introduced to the principles of leadership, teamwork, and effective communication, and will have opportunities to practice these skills in cooperative group activities. Course content will include strategies for building confidence, taking initiative, collaborating with peers, resolving conflicts, and applying problem-solving techniques. Emphasis is placed on providing students with the tools and experiences needed to take advantage of leadership opportunities in both academic and workplace environments. Structured for students with disabilities.
Grading Method: NC - Noncredit
R-E-99

AEWD 791NC SOCIAL COMPETENCE AND COMMUNITY ENGAGEMENT
3.00 hours Lecture

This course provides students with opportunities to learn and apply the skills necessary for developing social competence and engaging in community life. Students will examine strategies for initiating and maintaining positive relationships, practice socially appropriate behaviors in structured activities, and explore inclusive opportunities for participation in social and community contexts. Course content will include applying interpersonal skills, demonstrating social manners and etiquette, engaging in group activities, and collaborating with peers to plan and implement a structured social event. Emphasis is placed on enhancing confidence, fostering interpersonal effectiveness, and supporting lifelong engagement in community participation. Structured for students with disabilities.
Grading Method: NC - Noncredit
R-E-99

Adult Education Workforce Preparation [AEWP] (Noncredit)

AEWP 771NC MOBILITY SKILLS
0.0 Unit 9.00 hours Lecture

A class designed for students to enhance independence by introducing safe practices and knowledge for using public transportation (formerly AEWD 771NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 774NC SELF ADVOCACY SKILLS
0.0 Unit 3.00 hours Lecture

This course is designed for students to identify their strengths and weaknesses. They will learn about various disabilities and ability differences. Students will define realistic goals, objectives and the skills needed to reach goals, communicate in a respectful and responsible way, locate advocacy support, and learn rights and laws that pertain to people with disabilities (formerly AEWD 774NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 775NC COMPUTER SKILLS LAB
0.0 Unit 1.00 hour Lab

Provides students with introductory instruction in computer operation, word processing, social media, and the use of adaptive equipment (formerly AEWD 775NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 776NC FUNDAMENTALS OF INDEPENDENT LIVING SKILLS
0.0 Unit 3.00 hours Lecture

The course is designed for students who are working toward independent living situations and future employment. The course addresses skills and competencies relevant to those wishing to live and work more independently. This course supports students' personal growth and practical living skills. Students will also be presented with basic meal planning and cooking techniques. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 776NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 777NC BASIC COMMUNITY SKILLS
0.0 Unit 3.00 hours Lecture

The course is designed for students who are working toward independent living situations and future employment, with supervised mobility in the community. The course addresses skills and competencies relevant to those wishing to live and work more independently. Students will learn consumer skills, transportation skills, and social skills necessary to safely navigate the community. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 777NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 778NC INTRODUCTION OF FUNCTIONAL ACADEMICS
0.0 Unit 3.00 hours Lecture

The course is designed for students who are working toward independent living situations and future employment. The course addresses skills and competencies relevant to those wishing to live and work more independently. This course focuses on increasing basic functional academic skills. There is an emphasis on understanding the application of consumer math skills, functional reading skills, and functional writing skills to real life scenarios. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 778NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 781NC PERSONAL SAFETY
0.0 Unit 3.00 hours Lecture

This course is designed to introduce students to personal safety awareness. Students will be presented with proactive steps to take to avoid dangerous situations in the community and at home. Students will also be presented with basic techniques for self-defense and first aid (formerly AEWD 781NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 782NC PERSONAL BANKING AND BASICS OF BUDGETING
0.0 Unit 3.00 hours Lecture

This class is designed to provide students with money management skills for employed students living in their own apartment. This is an introductory class that teaches banking and budgeting vocabulary and step by step on how to open and manage a checking account as well as creating personal budgets (formerly AEWD 782NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 783NC COMMUNICATION IN THE WORKPLACE
0.0 Unit 3.00 hours Lecture

A class designed for students who want to learn how to improve their communication skills in relationship to employment. This course will include activities to enhance written and verbal skills (formerly AEWD 783NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 784NC CRITICAL THINKING SKILLS
0.0 Unit 3.00 hours Lecture

Designed to assist students in acquiring or improving critical thinking skills necessary to function independently in a variety of activities, situations, and environments. Emphasis on problem-solving and decision making through understanding and evaluating situations, utilizing knowledge of cause and effect relationships, exploring options, and planning and implementing strategies (formerly AEWD 784NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 785NC HEALTHY RELATIONSHIPS
0.0 Unit 3.00 hours Lecture

This introductory course is designed to introduce students who want to learn how to improve and develop healthy relationship skills necessary to function independently in a variety of situations and environments. Students will learn how to live with confidence and develop relationship skills for the workplace, in the college environment, and in independent living situations (formerly AEWD 785NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 786NC CAREER GOALS AND JOB EXPLORATION
0.0 Unit 3.00 hours Lecture

This course is designed for students who are working toward future employment. The course addresses skills and competencies relevant to those wishing to work more independently. The course specifically seeks to support students to identify vocational goals, explore resources related to job exploration, and develop requisite job search skills. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 786NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 787NC CAREER PLANNING AND JOB SEARCH
0.0 Unit 3.00 hours Lecture

This course is designed for students who are working toward future employment. The course addresses skills and competencies relevant to those wishing to work more independently. The course specifically seeks to support students to complete a job application, develop a resume, craft a cover letter, and develop competitive job interview skills. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 787NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

AEWP 788NC INTRODUCTION TO EMPLOYABILITY SKILLS
0.0 Unit 3.00 hours Lecture

This course is designed for students who are working toward future employment. The course addresses skills and competencies relevant to those wishing to work more independently. The course specifically seeks to support students to acquire the necessary social skills to successfully navigate the workplace while seeking employment as well as once employment is obtained. Instruction is provided both in the community and in the classroom. The college campus is also utilized (formerly AEWD 788NC).
Grading Method: SP - Noncredit Graded Pass/SP/No Pass
R-E-99

Emeritus Courses

Emeritus Accounting [EACT] (Noncredit) 653
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Emeritus Accounting [EACT] (Noncredit)

EACT 500 IMPROVING INVESTMENT PERFORMANCE (EI)
0.0 Unit 2.00 hours Lecture

Promotes understanding and evaluating investment performance for the beginning and experienced investor, including strategies critical to the formation, preservation and growth of financial assets. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EACT 501 STOCKS AND BONDS MANAGEMENT (EI)
0.0 Unit 1.00 hour Lecture

Studies global economics, stock and bond markets, with an emphasis on helping investors develop an informed and strategic investment philosophy. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EACT 502 MANAGING INVESTMENT PERFORMANCE (EI)
0.0 Unit 1.00 hour Lecture

Understanding and evaluating investment performance for the beginning and experienced investor, including strategies critical to the formation, preservation and growth of financial assets. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EACT 503 MANAGING BONDS AND STOCKS (EI)
0.0 Unit 2.00 hours Lecture

Examines the dynamics of global economics, stock and bond markets, and mutual funds with an emphasis on helping investors develop an informed and strategic investment philosophy. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EACT 504 ESTATE PLANNING (EI)
0.0 Unit 2.00 hours Lecture

Examines financial and estate planning matters. Topics may include probate estates, trusts, wills, property transfers, marital property, advance directives, powers of attorney, elder law, tax implications, and charitable gifts. Current information can include the California Probate Code, community property versus joint tenancy, and creation of investment models and wills. The student will learn personal financial planning, changes in estate and income tax law, money management and investment strategies. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Art [EART] (Noncredit)

EART 500 ART APPRECIATION (EI)
0.0 Unit 1.00 hour Lecture

Focuses on the fundamentals and aesthetics of the visual arts, as well as the major developments that shaped the evolution of Western art. Primarily for older adults.
Grading Method: NC - Noncredit
R-E-99

EART 501 ART HISTORY (EI)
0.0 Unit 2.00 hours Lecture

This class surveys the history of global art. The focus is on major works and artists of lasting significance from prehistoric to the modern times. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 502 CONTEMPORARY ART AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

This course analyzes 20th century art, culture, and architecture. Explores cultural forces that have shaped and controlled art production. Explores gender and diversity in the art world. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 503 FUNDAMENTALS OF ART ANALYSIS AND APPRECIATION (EI)
0.0 Unit 2.00 hours Lecture

Primarily for the older adult, this class focuses on the fundamentals and aesthetics of the visual arts, as well as the major developments that shaped the evolution of Western art.
Grading Method: NC - Noncredit
R-E-99

EART 504 ART AND MEDIA AS PROPAGANDA (EI)
0.0 Unit 0.50-3.00 hours Lecture

Designed for the older adult, this course examines how art and visual media have shaped societies throughout history, influencing political and religious ideologies, social movements, and cultural values. Explore how propaganda has been used to promote or resist power, equality, and social justice across global contexts, from early religious imagery to modern digital campaigns. Through critical analysis and engaging discussions, discover the enduring impact of art in shaping public opinion and societal change.
Grading Method: NC - Noncredit
R-E-99

EART 509 SURVEY OF CERAMICS AND HANDBUILDING (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

A practical and historical introduction to the ceramics process. The course will include handbuilding, trimming and finishing, firing and glazing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 510 CERAMICS HANDBUILDING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

A practical and historical introduction to the ceramics process. The course will include handbuilding, trimming and finishing, firing and glazing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 511 BEGINNING CERAMICS-WHEEL (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Introduction to potter's wheel techniques, with emphasis on traditional shapes and forms. Includes wheel throwing techniques, trimming and finishing, firing and glazing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 512 INTERMEDIATE CERAMICS (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 510
Covers theory, materials, and techniques of ceramics at an intermediate level. Includes design-forming techniques, the potter's wheel, glazing, and firing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 513 ADVANCED CERAMICS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 512
Course directs advanced projects in ceramics with emphasis on the use of the potter's wheel. Evaluation of forms and creative use of ceramic concepts and materials will be emphasized. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 514 BEGINNING CERAMICS-SLIPCASTING (EI)
0.0 Unit 1.00 hour Lecture 0.50 hour Lab

Theory and history of ceramics as well as basic techniques in ceramic slipcasting, including pouring low fire slip into molds, finishing, carving, underglazes, glazes, and overglaze applications plus firing processes. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 515 INTERMEDIATE CERAMICS-SLIPCASTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 514
Intermediate level theory and technique in low firing clay slipcasting. Exploration of basic functions, forms, color, glazing and decorative techniques. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 516 ADVANCED CERAMICS-SLIPCASTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 515
Advanced ceramic slipcasting techniques including concepts in advanced surface and color in the low fire ceramic process. Advanced glaze concepts, including specialty glazes, advanced use of ceramic forms, and ceramic product development will be emphasized. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 517 ART OF CERAMIC DECORATING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Theory and application of transparent underglazes, specialty glazes, and advanced decorative techniques. Advanced student projects will provide for application of theory and practice of techniques. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 518 INTERMEDIATE CERAMICS TECHNIQUES (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 510
Covers theory, materials, and techniques of ceramics at an intermediate level. Includes design-forming techniques, use of the potter's wheel, glazing, and firing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 519 BEGINNING TECHNIQUES OF CERAMIC SLIPCASTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Theory and history of ceramics as well as basic techniques in ceramic slipcasting, including pouring low fire slip into molds, finishing, carving, underglazes, glazes, and overglaze applications, plus firing processes. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 520 BEGINNING INTARSIA (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 523
Traditional and contemporary intarsia techniques to create a variety of designs with inlaid stones. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 521 INTERMEDIATE INTARSIA (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 520
Develop a perspective of intarsia by size and color. Advanced methods in pointing and fitting of stone, and channel work. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 522 BEGINNING LAPIDARY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Explores the proper usage of lapidary machines for cutting and polishing stones: slabsaw, trim saw, grinders, sanders, lapping wheels, polishers and drills. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 523 INTERMEDIATE LAPIDARY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 522
Explores lapidary machines and hand tools for cutting and polishing stones from rough to semiprecious into a variety of shapes such as cachobons, cameos, and carvings for use in decorative items and jewelry. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 524 BEGINNING STAINED GLASS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Fundamental approach for working with stained glass using the copper-foil and lead came technique, in two and/or three-dimensional projects. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 525 ADVANCED STAINED GLASS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 524
Designed to explore the possibilities of working in glass by utilizing the kiln to fuse, tack, and slump objects using tested compatible glass. Create a variety of projects incorporating techniques learned in previous 'cold glass' courses. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 531 INTERMEDIATE ENAMELING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 530
A studio course emphasizing traditional and contemporary concepts, processes, and techniques in enameling at an intermediate level. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 532 BEGINNING JEWELRY METAL FABRICATION (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

A studio course with emphasis on the basic metal manipulation techniques involved in making jewelry. Different projects taught each semester. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 533 INTERMEDIATE JEWELRY METAL FABRICATION (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 532
An intermediate studio course emphasizing the concepts, processes and techniques involved in the making of jewelry. Includes demonstration and practice in the design and construction of jewelry. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 534 ADVANCED JEWELRY METAL FABRICATION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 533
A studio course offering advanced theory and methods, materials, designs and practices in the construction of complex jewelry and decorative items. Production methods will be discussed. Primarily for older adults.
Grading Method: NC - Noncredit
R-E-99

EART 535 FUNDAMENTALS OF METAL FABRICATION FOR JEWELRY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

A studio course with emphasis on the basic metal manipulation techniques involved in making jewelry. Different projects taught each semester. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 536 INTER TECHNIQUES OF METAL FABRICATION FOR JEWELRY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 532
An intermediate studio course emphasizing the concepts, processes and techniques involved in the making of jewelry. Includes demonstration and practice in the design and construction of jewelry. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 540 ART MEDIA STUDIES (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Introduction to art media and related fine arts processes. Traditional and contemporary processes in fine art/mixed media and related processes including drawing, painting, printmaking, collage and assemblage in both two-dimensional and three-dimensional art forms. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 549 FUNDAMENTALS OF SKETCHING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Basic drawing techniques with emphasis on dry media and ink. Students will work on gesture, construction, perspective and value. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 550 BEGINNING SKETCHING (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Basic drawing techniques with emphasis on dry media and ink. Students will work on on gesture, construction perspective and value. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 551 INTERMEDIATE SKETCHING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 550
Using traditional and contemporary drawing media and techniques in a variety of subjects. Builds upon basic drawing techniques. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 552 BEGINNING LIFE DRAWING (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Sketching and drawing the life model. Emphasis on the fundamental structure of the human body, including skeletal and muscular systems. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 553 FUNDAMENTALS OF LIFE DRAWING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Sketching and drawing the life model. Emphasis on the fundamental structure of the human body, including skeletal and muscular systems. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 554 BEGINNING DIGITAL ART (EI)
0.0 Unit 0.50-1.50 hours Lecture 1.50-4.50 hours Lab

Primarily for the older adult, this course introduces the foundational theory and skills of digital painting and drawing using tablet and/or computer-based software. Designed for individuals with no prior experience creating digital art, this course covers beginning artistic techniques such as using digital creative software, tools, and navigating basic drawing and painting functions.
Grading Method: NC - Noncredit
R-E-99

EART 555 INTERMEDIATE DIGITAL ART (EI)
0.0 Unit 0.50-1.50 hours Lecture 1.50-4.50 hours Lab

Recommended Preparation: EART 554
Primarily for the older adult, this course builds on foundational skills to expand knowledge and confidence in digital painting and drawing using tablet and/or computer-based tools. Students will further develop their artistic abilities by exploring new ways to create more complex and refined works through digital painting/drawing software and a broad array of digital tools. The course emphasizes personal growth in knowledge, ability, and refinement within the digital art creative process.
Grading Method: NC - Noncredit
R-E-99

EART 556 ADVANCED DIGITAL ART (EI)
0.0 Unit 0.50-1.50 hours Lecture 1.50-4.50 hours Lab

Recommended Preparation: EART 554 and EART 555
Primarily for the older adult, this course focuses on achieving mastery in digital painting and drawing using tablet and/or computer-based tools. Students will refine their skills to produce work with greater complexity, depth, and originality. The course encourages the development of a cohesive artistic vision and the ability to execute sophisticated projects with confidence.
Grading Method: NC - Noncredit
R-E-99

EART 559 FUNDAMENTALS OF OIL/ACRYLIC PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

This course will serve as an introduction to the materials and techniques utilized in oil and/or acrylic painting. Primarily for the older adult population, students in this class will engage in activities and experiences to enhance and maintain their mental, social, and emotional well being through artistic expression. Students will have opportunities to learn and to create their own body of work in the classroom setting. Students will engage. interact, and collaborate through class discussions and presentations.
Grading Method: NC - Noncredit
R-E-99

EART 560 BEGINNING PAINTING IN OIL/ACRYLIC (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Introductory course to the materials and techniques of oil and/or acrylic painting. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 561 INTERMEDIATE PAINTING IN OIL/ ACRYLIC (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 560
This course is designed for students who have some basic knowledge of color, composition and perspective and who wish to improve techniques, develop creativity and use their own resource materials. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 562 ADVANCED PAINTING IN OIL-ACRYLIC (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 561
This course is designed for students who have an intermediate/advanced knowledge of painting, and who wish to continue to sharpen technique and further develop creativity, and style. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 563 PAINTING IN SUBJECT AREAS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 562
Provides theory and demonstration of materials and techniques in a variety of subject matter and art mediums. Emphasis in working from life: plein air, figure and/or still life. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 564 PORTRAIT PAINTING IN OILS, WATERCOLOR AND PASTELS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Constructing the human head and features using a variety of painting styles and techniques. Demonstrations in oils, watercolors, and/or pastels. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 565 SURVEY OF PAINTING IN MULTIPLE SUBJECT AREAS (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 562
Provides theory and demonstration of materials and techniques in a variety of subject matter and art mediums. Emphasis in working from life: plein air, figure and/or still life. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 566 ADVANCED PAINTING TECHNIQUES FOR OIL/ACRYLIC (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 561
Designed for students who have an intermediate/advanced knowledge of painting, and who wish to continue to sharpen technique and further develop creativity, and style. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 569 FUNDAMENTALS OF WATERCOLOR PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Basic methods of applying watercolor: washes, color mixing, and brush technique. The spontaneity of transparent watercolor will be stressed and explored. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 570 BEGINNING WATERCOLOR (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Basic methods of applying watercolor: washes, color mixing, and brush technique. The spontaneity of transparent watercolor will be stressed and explored. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 571 INTERMEDIATE-ADVANCED WATERCOLOR (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 570
Advanced techniques in watercolor. Emphasis on the exploration of traditional and contemporary palette, technique and style. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 572 BEGINNING CHINESE BRUSH PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Provides an introduction to the techniques of Chinese Brush Painting. Practice traditional subjects including animal, botanical and landscape motifs. Traditional mounting of completed paintings. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 573 INTERMEDIATE CHINESE BRUSH PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 572
Develop skills in handling the brush, ink, and color in a wide range of subjects while exploring concepts of design and composition. Explore history and aesthetics of Chinese painting. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 574 INTERMEDIATE-ADVANCED TECHNIQUES OF WATERCOLOR PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 570
Advanced techniques in watercolor. Emphasis on the exploration of traditional and contemporary palette, technique and style. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 580 PASTEL PAINTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Traditional and contemporary methods of pastel painting with soft and hard pastels. Emphasis in multilayered techniques. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 590 BEGINNING SCULPTURE (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Introduction to sculptural ideas, and three dimensional design. The student will apply the theory and techniques of sculpture in selected materials. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 591 INTERMEDIATE SCULPTURE (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Recommended Preparation: EART 590
Includes the creation of sculpture in historic, traditional and contemporary styles and techniques. The optional use of ceramic clay and synthetic modeling materials with emphasis on the figure. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EART 592 INTERMEDIATE TECHNIQUES OF CERAMIC SCULPTURE (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EART 590
Includes the creation of sculpture in historic, traditional and contemporary styles and techniques. The optional use of ceramic clay and synthetic modeling materials with emphasis on the figure. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Biology [EBIO] (Noncredit)

EBIO 500 BIRDS OF THE WORLD (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Topics in this course will include bird ancestry, evolution, distribution, topography, behavior and techniques of field identification. Course includes field trips to local and regional bird watching sites. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EBIO 501 ADVANCED BIRDING (EI)
0.0 Unit 0.50-1.50 hours Lecture 1.50-4.50 hours Lab

Recommended Preparation: EBIO 500
Designed for the older adult with previous coursework or experience in ornithology or birding. Course furthers the study of bird anatomy, ecology, and evolution of birds with an emphasis on developing student skills in identification of bird species in the field.
Grading Method: NC - Noncredit
R-E-99

EBIO 502 SURVEY OF REGENERATIVE MEDICINE (EI)
0.0 Unit 2.00 hours Lecture

Advances in the use of stem cells and genetic manipulation is changing the landscape of medicine, especially in health care for senior adults. This course will use current events as a source of specific topics to anchor an exploration of the use of stem cells and other approaches in regenerative medicine, especially as pertain to concerns for older adults.
Grading Method: NC - Noncredit
R-E-99

Emeritus Computer Information & Management [ECIM] (Noncredit)

ECIM 501 LIFE AND TECHNOLOGY INTEGRATION (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Introduction to current and emerging technologies for the purpose of creating ease, efficiency, and comfort in the completion of daily tasks through the integration of technology into life. Topics include internet use, desktop and laptop computers, tablets, smart cell phones, apps, and other emerging technologies. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

ECIM 502 INTERMEDIATE LIFE AND TECHNOLOGY INTEGRATION (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Designed for the older adult, intermediate concepts are introduced related to current technologies to expand skill sets through the integration of technology into life. Topics include in depth concepts on Smartphone features for Android and Iphone, Ipads, Mac computers, Chromebooks, cloud computing, and security features.
Grading Method: NC - Noncredit
R-E-99

ECIM 503 ADVANCED LIFE AND TECHNOLOGY INTEGRATION (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Designed for the older adult, advanced concepts are introduced related to current technologies to expand skill sets through the integration of technology into life. Topics include lecture discussions and lab-practice on smartphone and tablet features for Android and iPhone, iPads, Apple and PC computers, cloud computing, and security features.
Grading Method: NC - Noncredit
R-E-99

ECIM 504 INTRODUCTION TO AI FOR EVERYDAY LIFE (EI)
0.0 Unit 0.50-3.00 hours Lecture 0.50-3.00 hours Lab

Provides an introduction to the fundamental concepts and practical applications of Artificial Intelligence (AI), emphasizing its potential to enhance creativity, streamline everyday tasks, and offer innovative forms of entertainment. Utilizing accessible tools and a structured, step-by-step approach, students will develop foundational skills in AI technologies. This course fosters a supportive and interactive learning environment designed for older adults.
Grading Method: NC - Noncredit
R-E-99

Emeritus Ecology [EECL] (Noncredit)

EECL 501 HUMAN ECOLOGY (EI)
0.0 Unit 0.50-3.00 hours Lecture

Introduces students to the interactions of the human species with the natural world. Covers how human society depends upon natural resources and impacts the natural environment by consuming resources and introducing waste into the air, the water, and the soil. Human population dynamics, including older adult longevity and its impacts, will be analyzed in detail, as will the political, economic, and cultural context of human decision-making about the environment. Designed for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus English [EENG] (Noncredit)

EENG 500 INTRODUCTION TO CREATIVE WRITING (EI)
0.0 Unit 1.50 hours Lecture

Explores the basic elements of fiction and non fiction writing including audience, structure, voice, description, setting, and manuscript development with a focus on the skills necessary to grow as a writer. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 501 ADVANCED CREATIVE WRITING (EI)
0.0 Unit 3.00 hours Lecture

Recommended Preparation: EENG 500
An in-depth study of creative writing through the development of nonfiction and fiction prose. Emphasis on point of view, plot description, characterization, dialogue, narration, theme, and sensation. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 502 NON-FICTION WRITING (EI)
0.0 Unit 3.00 hours Lecture

Techniques and practices in writing nonfiction articles, essays, and biographical sketches. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 503 FUNDAMENTALS OF CREATIVE WRITING (EI)
0.0 Unit 3.00 hours Lecture

Explores the basic elements of fiction and non fiction writing including audience, structure, voice, description, setting, and manuscript development with a focus on the skills necessary to grow as a writer. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 504 INTERMEDIATE CREATIVE WRITING (EI)
0.0 Unit 3.00 hours Lecture

Course builds upon the basic elements of fiction and non-fiction writing to promote a more in-depth study of creative writing. Students will develop point of view, plot description, characterization, dialogue, theme, narration, and prose directed toward more advanced skills. Students may learn techniques of the form by discussing their work, as well as the assigned readings, in a small group setting. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 510 LITERATURE AND LIFE (EI)
0.0 Unit 2.00 hours Lecture

Designed for the older adult, this survey course introduces students to works of prose, essays, poetry, drama, fiction, and non-fiction to encourage the study, interpretation, and articulation of the common human experience found within world literature. Selected works will be chosen from varying cultures and languages. Topics covered may include: religious history, social justice, colonization, cultural identity, identity development, alienation, gender roles, race, family life, and social class. Older adult students will analyze selected literary works and compare and contrast cultural, political, philosophical, and humanistic themes in order to promote active citizenship and individual responsibility in a global context. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 511 THE BIBLE AS LITERATURE - GENESIS TO PSALMS (EI)
0.0 Unit 2.00 hours Lecture

A literary examination of the Hebrew Bible from Genesis to Psalms, analyzing the structure, form, authorship, transmission, style, and distinctive themes of these books with a special focus on the narrative arc or meta-narrative of the section and the original Jewish cultural contexts from which this literature arose. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 512 THE BIBLE AS LITERATURE - PSALMS TO GOSPELS (EI)
0.0 Unit 2.00 hours Lecture

A literary examination of the Bible from the Hebrew Psalms to the Synoptic Gospels, analyzing the structure, form, authorship, transmission, style, and distinctive themes of these books. There is special focus on the original Jewish cultural contexts from which this literature arose. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 513 THE BIBLE AS LITERATURE - GOSPELS TO REVELATION (EI)
0.0 Unit 2.00 hours Lecture

Presentation and discussion of the New Testament from John's gospel to his apocalypse. This includes Pauline and non-Pauline Epistles and focuses on the historical, theological, cultural, and literary contexts from which the New Testament emerged. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 514 FILM AS LITERATURE (EI)
0.0 Unit 1.50 hours Lecture

Examination of film as a 20th and 21st century art form. Considers both foreign and domestic cinema with a focus on archetype, myth, symbol, characterization, and plot. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 515 FILM ANALYSIS THROUGH LITERARY CRITIQUE (EI)
0.0 Unit 3.00 hours Lecture

Examination of film as a 20th and 21st century art form. Considers foreign and domestic cinema with a focus on archetype, myth, symbol, characterization, and plot. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EENG 517 WRITING FICTION-EI
0.0 Unit 3.00 hours Lecture

This class will be focused entirely on writing fiction in both long and short forms. Through lecture, discussion, writing practice, and critique, students will learn how to craft fiction, from short form to long. Students may work on their individual writing goals during the term, producing short stories or chapters of a novel. Peers will offer oral and/or written feedback on work submitted to the class. Students will also be able to share their writing without critique. The class will also cover how to place work for publication and how to find a literary agent or publisher. Primarily for the Older Adult
Grading Method: NC - Noncredit
R-E-99

Emeritus Fashion [EFSH] (Noncredit)

EFSH 500 QUILTING AND PATCHWORK (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

This course will feature fundamental quilting/patchwork techniques such as applique, cathedral windows, crazy quilting, fabric selection, pattern drafting, piecing, reverse applique, and trapunto. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 501 WEARABLE ART (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

This course will instruct the student to design and construct a wearable garment or accessory incorporating techniques of surface design, bobbin work, fabric manipulation, embellishment and dimensional texture. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 502 BEGINNING CLOTHING CONSTRUCTION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

This is beginning course that emphasizes the operation of a sewing machine, pattern reading, layout and garment construction. Focus on improvement of basic sewing techniques and process. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 503 INTERMEDIATE CLOTHING CONSTRUCTION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EFSH 502
This course outlines clothing construction and pattern alterations for personal wardrobe. Students will examine and utilize commercial patterns, selection of fabric, textures and principles of color design. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 504 ADVANCED CLOTHING CONSTRUCTION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EFSH 504
This course offers advanced techniques in construction of garments. Topics include techniques for adjusting patterns and the use of designer patterns for personal and fitted styles as well as handling of special fabrics and fine custom details. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 505 BEGINNING CROCHETING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Students will be introduced to the art of crochet. Course topics will include color, design, types of yarns, terminology, and patterns. Crochet techniques will be practiced for artistic, functional and wearable projects. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 506 INTERMEDIATE CROCHETING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EFSH 505
Study of fibers used for crochet. Review of crochet pattern techniques. New stitches and methods of finishing projects, and Adjusting patterns following the gauge changes for size. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 507 BEGINNING KNITTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Introduction to knitting stitches, techniques and fibers. Lectures include how to read and modify patterns, cast on and cast-off, basic stitches and finishing techniques, use of test swatches, and understanding gauge. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 508 INTERMEDIATE KNITTING (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EFSH 507
Course is designed to develop knitting skills at an intermediate level. Students will learn new cast-on, cast-off methods, intermediate and advanced pattern combinations, and pattern adjustment. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 510 ART AS FASHION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

This course will instruct the student to design and construct a garment or accessory incorporating techniques of surface design, bobbin work, fabric manipulation, embellishment and dimensional texture. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EFSH 511 ART ACCESSORIES FOR THE HOME-EI
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Design and create artistic accessories for the home incorporating techniques including weaving, needle punching, fabric dying, stamping, stenciling, art journaling, paper cutting, mixed media, faux stained glass, acrylic paint pouring and decorative embellishments. Course is designed primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus French [EFRN] (Noncredit)

EFRN 500 BEGINNING FRENCH CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

This foundational course designed for older adults emphasizes basic French language acquisition and introduces students to components of various French-speaking cultures. Students will gain essential language skills and cultural awareness, enhancing their ability to engage in meaningful conversations, navigate travel, and explore the rich tapestry of French-speaking countries.
Grading Method: NC - Noncredit
R-E-99

EFRN 501 INTERMEDIATE FRENCH CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: EFRN 500
This course is designed for older adult students with prior French language experience. It builds upon existing language skills and delves deeper into various aspects of French-speaking cultures. Throughout this course, students will enhance their language proficiency and cultural understanding, enabling them to engage in more nuanced conversations and explore the multifaceted aspects of French-speaking societies with greater insight.
Grading Method: NC - Noncredit
R-E-99

EFRN 502 ADVANCED FRENCH CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: EFRN 500 and EFRN 501
This is an immersive course designed for older adult students with a high level of proficiency in the French language. This course goes beyond language acquisition to explore the intricacies of French-speaking cultures in depth. Through advanced language practice and cultural exploration, students will engage in sophisticated conversations, develop a profound understanding of France and other French-speaking societies' heritages, and gain insights into the complexities of French-speaking societies, art, and traditions.
Grading Method: NC - Noncredit
R-E-99

Emeritus Gerontology [EGRO] (Noncredit)

EGRO 500 AGE-RELATED HEALTH RISK FACTORS (EI)
0.0 Unit 3.00 hours Lecture

This course provides information to students about age related risk factors contributing to health problems and disease. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EGRO 501 GEROPSYCHOLOGY-PERSPECTIVES ON AGING (EI)
0.0 Unit 2.00 hours Lecture

This class for older adults focuses on the psychological, physiological, philosophical and social changes that accompany older adult growth and development. The perspective of a new geropsychology is presented, through the biological and social sciences; concepts about identity formation and gerotranscendence from psychology; ideas about humanity from spiritual and humanistic teachings; insights from philosophical inquiries; and research data from demographics and statistics.
Grading Method: NC - Noncredit
R-E-99

Emeritus Health [EHEA] (Noncredit)

EHEA 500 CARDIOVASCULAR HEALTH FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining an ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 501 CARDIOVASCULAR WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining an ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 502 CARDIOVASCULAR FITNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 503 CARDIOVASCULAR HEALTH AND WELLNESS FOR THE OLDER ADULT (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Through a cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 504 AQUA-CARDIO HEALTH FOR THE OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through an aqua-cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 505 AQUA-CARDIO WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through an aqua-cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 506 AQUA-CARDIO FITNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through an aqua-cardiovascular lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 507 AQUA-CARDIO HEALTH AND WELLNESS FOR THE OLDER ADULT (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Through an aqua-cardiovascular lecture course with labs to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on nutrition and exercise strategies that emphasize cardiovascular fitness.
Grading Method: NC - Noncredit
R-E-99

EHEA 508 BALANCE AND MOBILITY FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a balance and mobility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize balance and mobility.
Grading Method: NC - Noncredit
R-E-99

EHEA 509 SURVEY OF BALANCE/MOBILITY TECHNIQUES FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a balance and mobility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize balance and mobility.
Grading Method: NC - Noncredit
R-E-99

EHEA 510 PRACTICAL SKILLS OF BALANCE/ MOBILITY FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a balance and mobility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize balance and mobility.
Grading Method: NC - Noncredit
R-E-99

EHEA 512 BEGINNING INDEPENDENT MOVEMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a beginning independent movement lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life- sustaining exercise strategies that emphasize beginning independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 513 BEGINNING MOVEMENT AND HEALTH FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a beginning independent movement techniques lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize beginning independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 514 BEGINNING MOVEMENT AND WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a beginning independent movement techniques lecture course, with labs used to demonstrate skills primarily for the older adult, encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize beginning independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 516 INTERMEDIATE INDEPENDENT MOVEMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through an intermediate independent movement techniques lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize intermediate independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 517 INTERMEDIATE MOVEMENT AND HEALTH FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through an intermediate independent movement and health techniques lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize intermediate independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 518 INTERMEDIATE MOVEMENT AND WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through an intermediate independent movement and wellness techniques lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize intermediate independent movement techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 520 MUSCLE STRENGTHENING/BODY ALIGNMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a muscular strength and body alignment lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize muscular strength and body alignment.
Grading Method: NC - Noncredit
R-E-99

EHEA 521 MUSCLE DEVELOPMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a muscular strength development lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize muscular strength and body alignment.
Grading Method: NC - Noncredit
R-E-99

EHEA 522 MUSCLE HLTH/BODY ALIGNMENT TECHNIQUES FOR OLDER ADULT (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a muscular strength and body alignment lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize muscular strength and body alignment.
Grading Method: NC - Noncredit
R-E-99

EHEA 524 POSTURE AND BALANCE FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a posture and flexibility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize posture and flexibility.
Grading Method: NC - Noncredit
R-E-99

EHEA 525 POSTURE AND MOBILITY FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a posture and mobility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize posture and flexibility.
Grading Method: NC - Noncredit
R-E-99

EHEA 526 POSTURE AND FITNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a posture and flexibility lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize posture and flexibility.
Grading Method: NC - Noncredit
R-E-99

EHEA 528 CONCENTRATED MOVEMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a focused movement lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize focused movement.
Grading Method: NC - Noncredit
R-E-99

EHEA 529 BALANCED MOVEMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a balanced movement lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize focused movement.
Grading Method: NC - Noncredit
R-E-99

EHEA 530 SEQUENCED MOVEMENT FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a focused movement lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life-sustaining exercise strategies that emphasize focused movement.
Grading Method: NC - Noncredit
R-E-99

EHEA 531 FOCUSED MOVEMENT FOR OLDER ADULT HEALTH (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Through a focused and balanced movement lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize focused movement.
Grading Method: NC - Noncredit
R-E-99

EHEA 532 FOCUS AND MUSCLE STRENGTH FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a concentration and muscle strength lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life- sustaining exercise strategies that emphasize concentration and muscle strength.
Grading Method: NC - Noncredit
R-E-99

EHEA 533 FOCUS AND FLEXIBILITY FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a concentration and muscle strength lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize concentration and muscle strength.
Grading Method: NC - Noncredit
R-E-99

EHEA 534 CONCENTRATION AND WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a concentration and muscle strength lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize concentration and muscle strength.
Grading Method: NC - Noncredit
R-E-99

EHEA 535 CONCENTRATION AND MUSCLE STRENGTH FOR OLDER ADULTS (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Through a concentration and muscle strength lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness, and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize concentration and muscle strength.
Grading Method: NC - Noncredit
R-E-99

EHEA 536 BRAIN HEALTH AND WELLNESS FOR OLDER ADULTS (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

This course covers age-related brain functioning and memory-retaining practices primarily for the older adult. Focus is on anatomy and physiology of the brain, brain function, healthful living choices, memory-loss prevention, neurodegenerative diseases, and managing mental health.
Grading Method: NC - Noncredit
R-E-99

EHEA 537 BRAIN HEALTH AND CONDITIONING FOR OLDER ADULTS (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

This course covers age-related brain functioning and memory-retaining practices primarily for the older adult. Focus is on anatomy and physiology of the brain, brain function, healthful living choices, memory-loss prevention, neurodegenerative diseases, and managing mental health.
Grading Method: NC - Noncredit
R-E-99

EHEA 538 SEQUENTIAL MUSCLE STRENGTHENING FOR THE OLDER ADULT (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through a sequential muscle strengthening lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize sequential muscle strengthening fitness techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 539 SEQUENTIAL MUSCLE TECHNIQUE FOR THE OLDER ADULT (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Through a sequential muscle strengthening lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize sequential muscle strengthening fitness techniques
Grading Method: NC - Noncredit
R-E-99

EHEA 540 SEQUENTIAL MUSCLE STRENGTH FOR THE OLDER ADULT (EI)
0.0 Unit 0.75 hour Lecture 0.75 hour Lab

Through a sequential muscle strengthening lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining ideal body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize sequential muscle strengthening fitness techniques.
Grading Method: NC - Noncredit
R-E-99

EHEA 541 INTER MUSCLE STRENGTH/BODY ALIGNMENT FOR OLDER ADULTS (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Through an intermediate muscular strength and body alignment lecture course with labs used to demonstrate skills primarily for the older adult, this course encourages cognitive health and physical wellness. Students will learn methods of achieving and maintaining healthy body composition, illness and injury prevention through lectures, discussions, and demonstrations on balanced nutrition and life sustaining exercise strategies that emphasize muscular strength and body alignment.
Grading Method: NC - Noncredit
R-E-99

Emeritus Health Science [EHSC] (Noncredit)

EHSC 500 CONSUMER HEALTH ISSUES (EI)
0.0 Unit 2.00 hours Lecture

Promotes awareness and informed decision making in regard to health issues, including health insurance, frauds, legislation, selection of doctors, pharmacists and health care agencies. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHSC 505 HEALTH TECHNOLOGIES AND INNOVATIONS (EI)
0.0 Unit 0.50-3.00 hours Lecture

This course provides older adults the knowledge and skills to access, make informed decisions about, and benefit from healthcare technologies and innovations. Older adults will learn about artificial intelligence (AI), social media, robotics, genomics, 3D printing, augmented reality(AR)/virtual reality (VR), patient portals, and other technologies and information systems used in various aspects of healthcare both on the clinical and the administrative side.
Grading Method: NC - Noncredit
R-E-99

Emeritus History [EHST] (Noncredit)

EHST 500 WESTERN CIVILIZATION SINCE 1648 (EI)
0.0 Unit 1.00 hour Lecture

Surveys the nature of Western Civilization considering its development since the 17th Century to the present. Major emphasis will be placed on topics such as War, industrialism, economy, nationalism, imperialism, culture and diversity. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHST 501 CONTEMPORARY MIDDLE EAST (EI)
0.0 Unit 1.00 hour Lecture

Major political, economic, and social institutions and movements of the Middle East from World War I to the present. Emphasis on problems of the developing Middle Eastern nations and the Arab-Israeli conflict. Introduction to Islamic religious institutions and their relationship to contemporary issues. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHST 502 CURRENT AND HISTORICAL ANALYSIS OF THE MIDDLE EAST (EI)
0.0 Unit 2.00 hours Lecture

Major political, economic, and social institutions and movements of the Middle East from World War I to the present. Emphasis on developing an understanding of geopolitical factors up to contemporary times within the Middle East. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHST 503 SURVEY OF WESTERN HISTORY SINCE 1648 (EI)
0.0 Unit 2.00 hours Lecture

Surveys the nature of Western Civilization considering its development since the 17th Century to the present. Major emphasis will be placed on topics such as war, industrialism, economy, nationalism, imperialism, culture and diversity. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHST 504 WESTERN CIVILIZATION TO 1648 (EI)
0.0 Unit 0.50-3.00 hours Lecture

Survey of the historical developments of the Western civilization from its birth to the end of the Thirty Years' War, 1648. Major emphasis will be placed on the Greek and Roman civilizations, the emergence, consolidation and decline of Medieval Europe, Humanism and Renaissance, European Exploration and colonization and the Protestant and Catholic Reformations. Designed for older adult students interested in learning the mechanisms of the ancient, medieval and pre-modern Western civilization, its strengths and weaknesses, in order to better understand the roots of the modern and contemporary developments of the West. Designed for older adult.
Grading Method: NC - Noncredit
R-E-99

EHST 510 HISTORY AND BIOGRAPHY THROUGH MEDIA (EI)
0.0 Unit 3.00 hours Lecture

Designed for the older adult, this course will analyze notable historic figures represented in literature, art, music, or public life through media. The medium of film and television will be examined for fact vs fiction and such cinematic values as dramatic license in condensing or elimination, or even the outright changing of the historic record.
Grading Method: NC - Noncredit
R-E-99

EHST 511 SURVEY OF CALIFORNIA MISSIONS (EI)
0.0 Unit 2.00 hours Lecture

This course, designed primarily for the older adult, surveys political, economic, religious, cultural, and sociological precursors affecting the development of the California mission system. Perspectives of indigenous peoples and critical colonial discourse interrogate the historical narratives of European and American geopolitical and religious expansion within California. Mission establishment, geographic placement, leadership, and the missions' historical and lasting impact will be dissected and discussed with significant emphasis on the subjugation of indigenous peoples in the early and current United States. This course furthers the decolonization of historical events to develop a civically engaged and further educated older adult lifelong learning community.
Grading Method: NC - Noncredit
R-E-99

EHST 512 HISTORY OF SPORTS IN THE UNITED STATES (EI)
0.0 Unit 2.00 hours Lecture

Surveys the origins and development of sports in America from the colonial period to the present. Emphasizes the transition from unorganized to organized sports and socially acceptable activities related to "blood sports." Specific topics will be the development of today's major sports, including but not limited to football, basketball, baseball, soccer, tennis, hockey, golf and the Olympic Games. Each sport's unique beginnings and major events will be examined. The changing definition of equity throughout each respective sport will be considered as a measuring tool to contemporary society of each respective era, including racial segregation and integration. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Human Services [EHSR] (Noncredit)

EHSR 500 SUBSTANCE ABUSE EDUCATION (EI)
0.0 Unit 3.00 hours Lecture

Designed for the older adult, this course explores the socioeconomic and environmental impact of substance use and abuse, including prescription medications, on older adults. Education, prevention, drug policies, and interventions are examined to mitigate the prevalence and impact of substance abuse among older adults in the U.S.
Grading Method: NC - Noncredit
R-E-99

EHSR 501 US MULTICULTURAL AND DIVERSE OLDER ADULT POPULATIONS (EI)
0.0 Unit 3.00 hours Lecture

Focuses on the identification, definition, and impact of multiculturalism and diversity among older adults in the United States. Explores sociopolitical and historical policies and its affects on multicultural and diverse older adult populations.
Grading Method: NC - Noncredit
R-E-99

EHSR 502 HUMAN DEVELOPMENT AND OLDER ADULTS (EI)
0.0 Unit 3.00 hours Lecture

Designed for the older adult, dimensions of human development & behavior throughout life are explored. Biopsychosocial, cognitive, environmental and developmental dimensions (life course theory [LCT]) are examined from inception of life through end-of-life phases, with an emphasis on aging. The LCT emphasizes the relationship between time and human behavior.
Grading Method: NC - Noncredit
R-E-99

Emeritus Humanities [EHUM] (Noncredit)

EHUM 500 MODERN WORLD CULTURE:1700-PRESENT (EI)
0.0 Unit 2.00 hours Lecture

The study of characteristically modern ideas about a variety of important human experiences as represented in literature, arts, sciences, inviting skepticism and critical thinking, and the development of new attitudes toward home, work, and the human community. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHUM 501 WORLD RELIGIONS- TRADITION AND TEXTS (EI)
0.0 Unit 2.00 hours Lecture

Students will explore the internal diversity of world religions beyond rituals & beliefs, how they evolve and change, and how they are embedded in all dimensions of human experience. Themes such as gender, sexuality, art, violence, peace, science, power and authority will be explored by studying religious texts and traditions. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EHUM 502 INTRODUCTION TO LANGUAGE ACQUISITION
0.0 Unit 3.00 hours Lecture

Designed for the older adult, this course introduces students to language acquisition, including the early perception and production of speech sounds, early word acquisition, the development of rules for sentence production and comprehension, and the acquisition of communicative skills. The course focuses on how humans acquire the capacity to perceive, comprehend, and produce a language to communicate and will discuss the different facets of the human side of natural language as well as the linguistically diverse cultures
Grading Method: NC - Noncredit
R-E-99

Emeritus Italian [EITA] (Noncredit)

EITA 500 BEGINNING ITALIAN CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

This foundational course designed for older adults emphasizes basic Italian language acquisition and introduces students to components of Italian culture. Students will gain essential language skills and cultural awareness, enhancing their ability to engage in meaningful conversations, navigate travel, and explore the rich tapestry of Italian life and society.
Grading Method: NC - Noncredit
R-E-99

EITA 501 INTERMEDIATE ITALIAN CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: EITA 500
This course is designed for older adult students with prior Italian language experience. It builds upon existing language skills and delves deeper into various aspects of Italian culture. Throughout this course, students will enhance their language proficiency and cultural understanding, enabling them to engage in more nuanced conversations and explore the multifaceted aspects of Italian life and society with greater insight.
Grading Method: NC - Noncredit
R-E-99

EITA 502 ADVANCED ITALIAN CONVERSATION AND CULTURE (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: EITA 500 and EITA 501
This is an immersive course designed for older adult students with a high level of proficiency in the Italian language. This course goes beyond language acquisition to explore the intricacies of Italian culture in depth. Through advanced language practice and cultural exploration, students will engage in sophisticated conversations, develop a profound understanding of Italy's rich heritage, and gain insights into the complexities of Italian society, art, and traditions.
Grading Method: NC - Noncredit
R-E-99

Emeritus Music [EMUS] (Noncredit)

EMUS 500 FOR THE LOVE OF MUSIC (EI)
0.0 Unit 3.00 hours Lecture

Introduction to music history focusing on musical periods and composers that have shaped Western musical developments. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 501 INTRODUCTION TO OPERA (EI)
0.0 Unit 3.00 hours Lecture

Students will learn music listening skills in order to appreciate Opera history focusing on musical periods, composers, opera repertoire, and performers from the Renaissance to present, such as Claudio Monteverdi, Wolfgang Amadeus Mozart, Giuseppe Verdi and Giacomo Puccini. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 502 EMERITUS INSTITUTE CONCERT CHORALE (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Course emphasizes choral singing and literature through the application of correct vocal technique. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 509 VOCAL AND RHYTHMIC TECHNIQUES (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Emphasizes vocal techniques, including, breath control, tone production and articulation, applied to selected music literature. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 510 VOICE AND RHYTHMS (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Emphasizes vocal techniques including breath control, phonation, articulation, and resonance (tone production), applied to selected music literature. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 511 CHORAL ENSEMBLE (EI)
0.0 Unit 0.50 hour Lecture 0.50 hour Lab

Course emphasizes choral singing and literature through the application of correct vocal technique. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 519 INSTRUMENTAL ENSEMBLE (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Recommended Preparation: Previous instrumental training and demonstrated proficiency
Preparation, study, and performance of instrumental repertoire. Previous instrumental training recommended. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 521 SURVEY OF AMERICAN MUSIC (EI)
0.0 Unit 3.00 hours Lecture

A survey of American music and composers through cultural and socioeconomic developments, and historical context. Students will be introduced to styles and trends of great American music, including Classical, Jazz, Opera, Blues, Rock, Pop, Musical Theater, Film Music, Folk, Sacred, and Country music. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EMUS 522 19TH CENTURY ROMANTICISM AND EMOTION IN MUSIC (EI)
0.0 Unit 3.00 hours Lecture

From Beethoven and Tchaikovsky to American composer Amy Beach, the Romantic era of the nineteenth century is full of passionate music that speaks to everybody's heart and soul. The course covers the different romantic music traditions, and makes connections with other art forms that inspired the nineteenth century composers. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Philosophy [EPHL] (Noncredit)

EPHL 500 INTRODUCTION TO PHILOSOPHY (EI)
0.0 Unit 1.00 hour Lecture

Investigates many of the major philosophical themes within the Western tradition. Themes covered include the nature of self, free will and determinism, the ground and nature of human knowledge, the nature of ethics, aesthetics and the nature of political philosophy. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHL 503 FUNDAMENTALS OF WESTERN PHILOSOPHY (EI)
0.0 Unit 2.00 hours Lecture

Investigates many of the major philosophical themes within the Western tradition. Themes covered include the nature of self, free will and determinism, the ground and nature of human knowledge, the nature of ethics, aesthetics and the nature of political philosophy. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHL 504 FREETHOUGHT PHILOSOPHY PAST AND PRESENT (EI)
0.0 Unit 2.00 hours Lecture

History of freethought consisting of the heterodox religious systems and secular philosophies that have appeared in opposition to the Judaeo-Christian tradition in the Western world from the Classical Age of Greece and Rome to the present. Study deism, pantheism, agnosticism, atheism as well as multicultural religious philosophical systems and beliefs. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Photography [EPHO] (Noncredit)

EPHO 501 INTERMEDIATE DIGITAL SHOW PRESENTATIONS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EPHO 506
Covers the intermediate production of digital visual and audio presentations. Includes digital photography, downloading music, scriptwriting, video, narration, transitions and special effects using computer software to construct digital presentations. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 502 BEGINNING DIGITAL PHOTOGRAPHY (EI)
0.0 Unit 0.50 hour Lecture 1.00 hour Lab

Covers the technical aspects of using a digital camera and the importance of composition in the creation of an image. Includes still life, landscape, on-location photography, and portrait photography. Downloading, storing, organizing and sharing photographic images using software programs, and social media will be discussed. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 503 INTERMEDIATE DIGITAL PHOTOGRAPHY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Recommended Preparation: EPHO 502
Reviews technical aspects of using a digital camera, image composition, downloading, storing, organizing and editing images using software programs. Also includes portraits, landscape, low-light photography, flash techniques, digital media enhancement, and the use of filters. Students will also learn the basic principles of judging and evaluating photographs. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 505 PHOTOGRAPHY FOR EXHIBITION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Techniques and procedures used in color and black & white photography exhibition. Related topics of photography and in-depth analysis of the creative image. Field trips may be required to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 506 FUNDAMENTALS OF DIGITAL SHOW PRESENTATIONS (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Covers phases and techniques in digital visual/audio presentations from photo essays, documentaries, how-to and travel shows. Includes planning, photographing, selecting images, writing narration, preparing graphics, music, sound effects and cues. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 508 FUNDAMENTALS OF DIGITAL PHOTOGRAPHY (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

Covers the technical and creative aspects of using a digital camera and the importance of composition and lighting in the creation of an image. Includes still life, landscape and portrait photography. Students will learn to download, store, organize and share images using software and social media. Field trips may be utilized to fulfill the objectives of the course. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPHO 510 FUNDAMENTALS OF DIGITAL PHOTOGRAPHIC ED. & RESTORATION (EI)
0.0 Unit 1.00 hour Lecture 2.00 hours Lab

A practical introductory, entry-level course, for the effective use of updated image editing software on the computer for digital photographers. This practical refresher course prepares students to apply the technical and creative fundamentals of post-production using the Adobe Creative Suite software photography package. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Political Science [EPOL] (Noncredit)

EPOL 500 CURRENT ISSUES IN GOVERNMENT (EI)
0.0 Unit 1.00 hour Lecture

Exploration of current issues and events on global, national, and local levels. Problem areas include crime, economics, social services, environment, and terrorist. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPOL 501 CURRENT POLITICAL EVENTS AND ISSUES (EI)
0.0 Unit 2.00 hours Lecture

Exploration of current issues and events on global, national, and local government levels. Problem areas include crime, economics, social services, environment, and terrorist. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

EPOL 502 INTRODUCTION TO AMERICAN CIVICS (EI)
0.0 Unit 2.00 hours Lecture

Students will learn how the US system of government & a written constitution, relate to the daily life of every US citizen & resident. Students will explore branches of government, the legislative process, separation of powers, state vs federal law, the US Constitution & the practice of judicial review throughout US history. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Spanish [ESPA] (Noncredit)

ESPA 500 BEGINNING PRACTICAL SPANISH (EI)
0.0 Unit 2.00 hours Lecture

Basic fundamentals of conversational Spanish. Includes reading, comprehension, speaking, and writing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

ESPA 501 INTERMEDIATE PRACTICAL SPANISH (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: ESPA 500
Further the fundamentals of communicative competence in practical Spanish. Focus is on listening, comprehension, speaking, reading, and writing. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

ESPA 502 ADVANCED PRACTICAL SPANISH (EI)
0.0 Unit 2.00 hours Lecture

Recommended Preparation: ESPA 501
Designed for advanced students seeking to develop fluency in Spanish. The emphasis is on expression and conversation. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

Emeritus Theatre Arts [ETHE] (Noncredit)

ETHE 500 SCENE STUDY-ACTING (EI)
0.0 Unit 1.00 hour Lecture 1.00 hour Lab

Concentrates on essential skills of method acting by review of the works of major playwrights, scene development, characterization, and improvisation. Primarily for the older adult.
Grading Method: NC - Noncredit
R-E-99

ETHE 501 INTRODUCTION TO READERS THEATRE (EI)
0.0 Unit 1.50 hours Lecture 1.50 hours Lab

Designed for the older adult, this course incorporates theatre appreciation from the inside out as students portray characters in plays, dramatize fiction, or voice poetry during class meetings. Group discussions may illuminate the relevance of older work to contemporary times. Students will share oral interpretation, analyze author intention through discussion of line readings, and edit material for presentation.
Grading Method: NC - Noncredit
R-E-99

Other Educational Opportunities

Community Education

The mission of Saddleback College Community Education is to encourage lifelong learning by providing educational and personal enrichment classes for children and adults of all ages and backgrounds. Community Education strives to provide a dynamic and innovative learning environment for diverse learners of all ages, backgrounds, and abilities. All courses are fee-based and not-for-credit, open to youth and adults year around. Youth programs providing after-school enrichment and summer camp experiences are offered at partnering K-12 school districts and on the Saddleback College campus featuring College For Kids summer programs. Offerings for adults include business, art, entrepreneurship, and technology on the Saddleback College campus.

For further information regarding the Community Education program, call (949) 582-4646 or access our website at www.saddleback.edu/learning-saddleback/community-education.

Contract Education

(AR 4104)

As part of its Economic and Workforce Advancement efforts, the District provides instructional classes and customized training and services to business, industry, government agencies, and other public or private organizations. The process may involve delivery of instruction, creation and delivery of new training materials for use in a customized training program, special assistance and assessment, and consultative or developmental services to define specific client needs. The District may contract with business, industry, government agencies, other public or private organizations, or individuals to develop and/or deliver these services. In certain cases, these services may be funded by the contractor (client) through public training funds. These contracted activities are generally closed to the public unless they are part of a specific public partnership agreement. For more information, see the Economic and Workforce Advancement website at www.saddleback.edu/division-economic-workforce-advancement.

Work Experience Education

(BP 4103/AR 4103)

Work Experience Education (WEE) is an instructional Work-Based Learning program offered as a foundational part of the District's commitment to offer students multiple experiential learning opportunities to earn academic credits or meet positive attendance requirements for on-the-job experiential learning experiences. WEE allows a student's experience during a work or service based learning activity to be used as a basis for assigning, up to 14 credits or 672 hours of attendance, per enrollment period. WEE courses may assign a grade in accordance with the Course Outline of Record. The purpose of WEE is to provide students with an integrated educational program that provides opportunities to connect academic curricula to applied experiential learning in the workplace or community. WEE should be substantive in nature, linked in a way relevant to a student's educational pathway and contribute to demonstrable learning outcomes that have value towards a degree, certificate, or career goals. Visit https://www.saddleback.edu/learning-saddleback/career-education/work-experience-education.

Career Technical Education (CTE) High School Course Articulation

(AR 4050, AR 4235)

Saddleback College maintains faculty-approved formal course articulation agreements with local high school and ROP (Regional Occupation Program) districts including: Capistrano Unified School District, Laguna Beach Unified School District, Saddleback Valley Unified School District, College and Career Advantage, Coastline ROP, and JSerra Catholic High School. Courses with articulation agreements follow the California Career Statewide Pathways Templates in the areas including: Accounting, Architecture, Automotive Technology, Business, Child Development, Cinema-TV-Radio, Computer Information Management, Computer Maintenance Technology, Drafting, Fashion, Food & Nutrition, Graphic Design, Health Science, Horticulture, Interior Design, Journalism, Kinesiology, Manufacturing, Commercial Music, Photography, Real Estate and Theater Arts. For more information, see the College Credit in High School website at www.saddleback.edu/learning-saddleback/college-credit-high-school.

Students who successfully complete an articulated class offered through a partnering high school or ROP district and receive a grade of A or B, will be eligible to receive Credit by Examination units for the corresponding Saddleback College class.

Depending on the specific high school or ROP, credit will be administered from a direct file from the institution, or through the CATEMA software system. If these two methods are not used by the high school or ROP, eligible high school students can make an appointment with a Saddleback College counselor. The counselor will verify the Articulation Agreement, review the student's high school transcript, and assist with completing a CTE Transition Petition form. Please contact the Counseling Department for assistance with processing an earned articulated grade at (949) 582-4572.

Emeritus Institute

The mission of the Saddleback College Emeritus Institute is to promote lifelong learning by providing academically rigorous, mentally stimulating, socially engaging, and health improving courses for older adults. All courses are tuition-free and non-credit. Classes are open to California adult lifelong learners and are offered online and in-person at off-campus locations convenient to the older adults of the Saddleback College community. The average age of Emeritus Institute students is 73.

Emeritus Institute courses are designed to meet the academic and critical-thinking challenges of each discipline, including Accounting, Art, Biology, Computer/Information Management, English, Fashion, Foreign Language, Gerontology, Health, Health Sciences, History, Humanities, Music, Philosophy, Photography, Political Science, and Theatre.

For further information regarding the Emeritus Institute, call (949) 582-4835 or visit our website at www.saddleback.edu/learning-saddleback/emeritus-institute.

Honors Program

The Saddleback College Honors Program is an interdisciplinary effort to develop curiosity, innovation, ability, and scholarship in highly motivated students. Our three dozen transfer partners, including UCLA and UC Irvine, offer preferential transfer consideration to students who complete the Honors Program. We promote educational equity by welcoming and serving high-potential learners from all communities and backgrounds.

Any Saddleback College student may enroll in an Honors class without completing an application or seeking special permission. All students in Honors classes do Honors work and receive the "H" transcript notation next to their grade.

To be eligible for preferential transfer, Honors counseling, and priority registration, students must have "Certificate-Track Status" and officially apply to the Honors Program. Students should file the application as soon as possible in order to take advantage of program opportunities and ensure that Honors transfer preparations are complete.

Applications are accepted year-round. Admission requires an online application. If a student is currently enrolled at Saddleback College or Irvine Valley College, no additional transcripts are necessary, otherwise students should include unofficial high school or other college transcripts. Detailed information and a link to the application is available at www.saddleback.edu/learning-saddleback/honors-program.

Each semester, students must meet with an Honors counselor; complete at least one Honors course; commit no acts of academic dishonesty; and maintain good communication with the Transfer Center and the Honors Program Office.

Completion Requirements: minimum 15 units of Honors coursework. A maximum of six Honors units may be completed at another community college.

1. Coursework:
    a. Composition Requirement (usually in the first year):
        - Option 1: English 1AH or
        - Option 2: English 1BH or
        - Option 3: Library Science 2H

    b. Breadth Requirement
        - For Option 1 above: Eight additional units selected from any Honors classes

- For Option 2 and 3 above: Nine additional units selected from any Honors classes

c. Capstone Course Requirement:

- HON 11H, HON 12H, HON 13H, or HON 14H

2. Completion of all Honors classes with a GPA of at least 3.20. All Honors courses must be graded.
3. Earned UC-transferable GPA of 3.25 at time of completion.
4. Good standing at time of completion.

For more information, visit www.saddleback.edu/learning-saddleback/honors-program, email schonorsprogram@saddleback.edu, or phone (949) 582-4853.

Study Abroad Programs

(BP 4351/AR 4351)

Study abroad provides students with a unique opportunity to broaden their horizons, enrich their academic experience, and develop valuable intercultural and/or language skills. Saddleback College offers a variety of study abroad programs that integrate classroom learning with exposure to different cultures and environments, as students explore the natural beauty and ecology of a foreign country; savor its foods; live among its people; visit its galleries, theaters, museums, and night clubs; and take excursions to unique heritage sites and biological reserves, all while earning transferable college credits and developing new perspectives on academic subjects and real-world issues.

Upcoming study abroad programs at Saddleback include programs in various disciplines and in various locations. For listings and information on current and upcoming programs, visit the Study Abroad website at www.saddleback.edu/learning-saddleback/study-abroad.

Student Services

Basic Needs Center

Saddleback is committed to providing all students with reliable resources to address their basic needs. The C.A.R.E. (Community Allocated Resources for Everyone) Corner is an on-campus Basic Needs Center for all currently enrolled students to secure their food, clothing, and connections to resources. Our free on-campus support includes our Clothing Closet, Food Resource Center, lunches, school supplies, hygiene products, diapers and more! We offer appointments to connect students to additional resources in the community to address their non-academic challenges. Visit our webpage at www.saddleback.edu/student-support/care-corner for additional information.

Food Resource Center (Food Pantry)

Saddleback is proud to offer an on-campus Food Resource Center (FRC) to all currently enrolled students. Our food pantry offers non-perishable items, fresh produce, dairy, and meat products. Students may access this on-campus resource once per week. A student ID is required each time a student visits the center. Visit our webpage at www.saddleback.edu/student-support/care-corner for additional information including location and hours of operation.

Free Lunch Program

Students who are experiencing food insecurity or financial difficulties may be eligible to receive free lunches. To enroll in this program, students must schedule an appointment with our Basic Needs team by visiting sars.saddleback.edu/esars/basicneeds. For additional information visit our webpage at www.saddleback.edu/student-support/care-corner.

Clothing Closet

The C.A.R.E. Corner Closet provides gently used clothing to all currently enrolled students. Items available include professional attire, t-shirts, sweatshirts/jackets, pants, shoes, accessories, and children's clothes! Students may visit the CARE Corner Closet once per month. Visit our webpage at www.saddleback.edu/student-support/care-corner for additional information including location and hours of operation.

Bookstore

The Saddleback Bookstore is located at 28000 Marguerite Parkway, Mission Viejo, CA 92692, in the College Center. The bookstore provides everything that you will need for your classes including supplies, course required items, school spirit clothing/gift items, computer accessories and grab and go snacks.

Bookstore Hours

Contact the bookstore at (949) 582-4715 or visit sb.bncollege.com for updated hours.

Online Ordering

Textbooks and merchandise are available for online order, pick-up or delivery. You may visit the website 24/7 at sb.bncollege.com

Returns

Textbooks: A full refund will be given in the original form of payment if textbooks are returned during the first week of classes with original receipt. With proof of a schedule change and original receipt, a full refund will be given in original form of payment during the first 30 days of classes. Textbooks must be returned in original condition. Unwrapped loose-leaf books and activated eBooks are non-returnable.

General Reading Books, Software, Audio, Video, and Small Electronics: A full refund will be given in your original form of payment if merchandise is returned within 14 days and with original receipt. Opened software and small electronics may not be returned. They can be exchanged for the same item if defective.

All Other Merchandise: A full refund will be given in your original form of payment with the original receipt.

For additional details visit the bookstore or sb.bncollege.com

Buyback of Textbooks

The bookstore will buyback textbooks during finals week if there is a book order for the next term from the professor and copies are needed. Students should bring their textbooks back to the bookstore at the end of the semester to receive up to 50% cashback.

Books must include all original material, and a Student ID or identification may be required at the time of buyback.

Textbook Rentals

Renting is easy and cost-effective. A majority of textbooks are available to rent. All book returns are subject to specific guidelines. Students must adhere to all book return policies. When shopping for textbooks in-store, the course information tag displays a "Rental" option as well as New and Used options.

Students also may shop online for rentals at sb.bncollege.com

Students must be 18 years of age or older and provide a telephone number, government-issued ID, email address, and a personal credit card at the time of purchase. All accepted forms of payment may be used to pay for textbook rentals.

Students may register their email address to receive reminder notices when their rental due date approaches.

For more details, please visit: sb.bncollege.com

Price Match

The bookstore will price match Amazon.com, BN.com if the title(s) meet the following:

- The exact textbook – same edition, format, rental term and ISBN
- One copy, per title, per customer
- Titles must be in stock on competitor's website or we cannot price match.

The bookstore will not match if the titles are:

- Digital textbooks or access codes
- Special orders
- New rentals
- Peer-to-peer pricing
- Online Marketplaces
- Titles listed on Amazon that are not "rented by" or "shipped and sold by" Amazon are excluded

For more information see a bookseller.

Forms of Payment

The Saddleback Bookstore accepts Barnes & Noble gift cards, Visa, Mastercard, American Express, and Discover cards, ZIP buy now pay later. The account/cardholder must be present at the time of purchase.

Child Development Center

The Child Development Center offers educational opportunities and services for pre-school children (18 months - 5 years) of Saddleback College students, Saddleback College faculty and SOCCCD staff, as well as members of the general community. Consistent, safe, and stable care for a child is often a determining factor in a parent's decision to attend and succeed in entering college or a career. Children are enrolled on a first-come, first-serve basis. Priority is given to parents who are enrolled at Saddleback with 6 or more semester units. Saddleback students may qualify for tuition discounts for childcare. The center is a play-based, research supported lab school for students of the college's Child Development and Education Department and provides an early childhood education for positive growth in all domains: emotional and social, physical and cognitive. The carefully designed environment is filled with educational experiences to meet children's needs.

The center is located at the south end of the campus on College Drive East (Parking Area 1A). All interested parents from throughout the community are encouraged to call (949) 582-4582 or visit www.saddleback.edu/student-support/child-care/child-development-center-programs for further information, including program options and current fee schedule.

Escort Service

Saddleback College provides a Security Escort Service between classrooms and other areas of the campus. Students wishing to use this service should call (949) 582-4585 to make arrangements for a security escort.

Student Financial Assistance Program

The Financial Aid Office is here to provide students and the community a better understanding of financial aid programs and services available. We value and take pride in the diversity of our students and the support we provide in promoting student success. There are many financial aid programs that can help students with fees, books, supplies, transportation, housing, and other related educational expenses. *(BP 5130/AR 5130)*

All students may be eligible for some form of assistance based on their financial need. Students may apply for aid by completing a Free Application for Federal Student Aid (FAFSA) online at www.studentaid.gov (link is external). Undocumented students who are not eligible for the FAFSA Application and meet the AB540 residency requirements may apply for aid by completing the California Dream Act Application (CADAA) online at https://dream.csac.ca.gov (link is external). Students completing the California Dream Act Application may be eligible for State Programs only.

Financial aid applications are generally available in October, for the following academic year. These applications will be used to determine a student's eligibility for all Federal and/or State programs. Assistance with completing the financial aid applications is available on the first floor of the Gateway Building Welcome Center area. A new application must be completed for each academic year a student is enrolled or plans to enroll.

Federal Programs

Federal Pell Grants are awarded to eligible undergraduate students who do not have a bachelor's degree, or professional degree. The amount of money awarded is based upon a student's Student Aid Index (SAI), the number of units enrolled, and the cost of attendance.

Federal Supplemental Educational Opportunity Grant (FSEOG) is awarded to eligible Pell Grant recipients with exceptional financial need. It is awarded on a "first-come, first-served" basis and is dependent upon funds available. Students must be enrolled in at least six units to receive the funds.

Federal Work-Study (FWS) is a program with limited funding which provides employment to help pay for part of a student's educational costs. This program is based on financial need and, if awarded, is part of a student's award package. Students on FWS may work approximately 15 hours per week on campus.

Federal Direct Subsidized and Unsubsidized Loans must be repaid. Students must complete a Free Application for Federal Student Aid (FAFSA) first. Once a student receives a financial aid award letter, the student may request a student loan at https://saddleback.studentforms.com. The amount of loans range from $3,500 to $10,500 per academic year. Loan amounts will be determined at the time the Financial Aid Office certifies a loan request.

Both entrance and exit counseling are requirements of the Federal Direct Loan Program. Students must maintain at least half-time enrollment status to receive a loan. Once a student receives loan funds, the student must maintain reasonable progress toward a certificate, associate degree, or transfer program. In reviewing a request for any loan, the Financial Aid Office may use "professional judgment" to deny a student a loan on a case-by-case basis. If denied a loan, a student will receive a letter from the Financial Aid Office indicating the reason(s) for the loan denial.

State Programs

California College Promise Grant (CCPG) is a program that provides assistance with mandatory enrollment fees for the entire academic year (fall, spring and summer semesters). There is no limit to the number of units that are covered by the CCPG.

To receive this assistance, students are encouraged to submit the FASFA or the CADAA, and be a California resident or an eligible AB 540 student.

Required Academic Progress for California College Promise Grant Any combination of two primary consecutive terms (fall and spring) of cumulative GPA below 2.0, and/or cumulative course completion less than 50% may result in loss of fee waiver eligibility. Registered Foster Youth are exempted from this requirement.

For more information, contact the Financial Aid Office, or visit our web page at www.saddleback.edu/apply-pay/financial-aid.

The Cal Grant Program is a state funded educational opportunity program to assist students in paying for a college education. There are entitlement awards as well as competitive awards. Application deadlines are March 2nd and September 2nd for community college students.

All basic Cal Grant eligibility requirements are as follows: a) be a California resident, b) be a U.S. citizen or eligible non-citizen, c) attend a qualifying California postsecondary institution, d) be enrolled at least half-time, e) maintain satisfactory academic progress as defined at the school of attendance, f) have family income and assets below the established ceilings, g) not be in default on any student loan, h) not owe any federal or state grant refund, and, i) not have a bachelor's or professional degree before receiving a Cal Grant (except for extended Cal Grant A or B awards for a teaching credential program).

Cal Grant B Entitlement Awards are for every graduating high school senior who has at least a 2.0 GPA, meets all the Cal Grant requirements and applies by March 2 within one year of graduating (or receiving their GED). This Entitlement Award provides up to $1672 for books and living expenses for the first year. Beginning with the second year of Cal Grant B benefits, this award also helps pay for tuition and fees at public or private four-year colleges or other qualifying institutions.

Cal Grant Community College Entitlement Awards are for students attending a California Community College, who do not meet the March 2nd deadline, can apply for a Cal Grant by September 2nd of each academic year. Students who meet the general Cal Grant eligibility requirements (above), will be reviewed for eligibility for the appropriate Cal Grant award based on GPA and financial need.

Cal Grant B Competitive Awards are for students who aren't eligible for the Entitlement awards. Awards are for students who have at least a 2.0 GPA, meet all the Cal Grant requirements and apply by either the March 2nd or September 2nd deadline. The award provides up to $1672 for books and living expenses for the first year. Beginning with the second year of Cal Grant B benefits, this award also helps pay for tuition and fees at public or private four-year colleges or other qualifying institutions.

Cal Grant C Awards are available to assist students with tuition, fee, and training costs for occupational or vocational programs. The $1094 Cal Grant C award provides for books, tools, and equipment. To qualify for Cal Grant C awards, students must meet basic eligibility requirements and be enrolled in a vocational program that is at least four months in length. For more information, visit the California Student Aid Commission website at www.csac.ca.gov(link is external).

Cal Grant Students with Dependent Children Grant is awarded to eligible Cal Grant B or C recipients who have dependent children, receiving more than half of their support from the student.

The California Chafee Grant Program gives up to $5,000 annually in free money to foster youth and former foster youth to use for vocational school training or college courses. To apply, you must be eligible, or have been eligible for foster care, between your 16th and 18th birthday, and not have reached your 26th birthday as of July 1 of the award year.

Student Success Completion Grant is provided to Cal Grant B or C recipients who is enrolled in 12 or more units per semester.

Dreamers Service Incentive Grant encourages California Dream Act applicants with Cal Grant A or Cal Grant B who meet the income eligibility requirements for Cal Grant B to perform community or volunteer service. Eligible California Dream Applicants can receive a grant from CSAC after completing community or volunteer service hours at an eligible organization. A separate application is required to receive this grant and can be found at https://www.csac.ca.gov/dsig/apply.

Scholarships

Saddleback College offers scholarships through the college's Foundation Office and generous donors. Students may be awarded scholarships on the basis of academic achievement, financial need, or campus and community service. Scholarship information is available at www.saddleback.edu/administration/office-president/saddleback-college-foundation/apply-scholarships.

Scholarships are also available from sources beyond Saddleback College. Additional information can be found at www.saddleback.edu/apply-pay/financial-aid/types-financial-aid/scholarship-information.

Return of Title IV Funds (HEA)

Title IV funds are awarded to students under the assumption that they will attend school for the entire period for which the financial aid is awarded. When a student withdraws, the student may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive.

"Return of Title IV funds" will require repayment of Title IV funds, (Federal Financial Aid).

Any aid recipient who needs to withdraw from all classes should contact the Office of Admissions and Records and the Financial Aid Office. Recipients are encouraged to discuss alternatives to withdrawing from class(es) with their instructor(s) or a counselor before making a final decision.

For additional information on Title IV requirements, please contact the Financial Aid Office, in the Gateway Building, First Floor, phone (949) 582-4860.

Grant Over-Awards

There are occasions when students receive financial aid payments based upon misreported information. This results in a grant over award. Examples of misreported information include inaccurate or omitted income, prior loan defaults or grant overpayments, having a bachelor's degree, not having a high school diploma or GED, forged signatures, and unsatisfactory academic progress, just to name a few. Furthermore, students who change enrollment status prior to the financial aid freeze date each semester, after having been paid for those classes, may also be in over award status.

Students who receive grant funds and are later determined to be in over award status, as noted above, are required to repay the entire sum received.

To Maintain Financial Aid Eligibility

In accordance with federal regulations, each student receiving financial aid is expected to maintain satisfactory and measurable academic progress, whether or not the student is a prior recipient of financial aid. Failure to meet federal standards will result in the denial of aid, except the CCPG program. Academic progress for Saddleback College students is evaluated at the end of each term.

Satisfactory and measurable academic progress is defined as successfully maintaining cumulative GPA (grade point average) of 2.0 (C or greater) and complete 67% (or more) of all units attempted. Also, a student cannot exceed 150% of the maximum time frame as stated in the student educational objective.

Food Services

Saddleback College offers a range of food options on campus. The Commons cafeteria is located on the second floor of the College Center and serves made-to-order food such as breakfast burritos, burgers, salads, and pizza by the slice, as well as grab-and-go options.

The Saddleback College dining hall is adjacent to the cafeteria. This area features a large seating area, microwaves to heat up food, as well as snack and beverage vending machines.

The Canteen is located on the ground floor of the Learning Resource Center (LRC) Building and has snack and beverage vending machines.

Peaks coffee shop is located on the first floor of the College Center, features beverages including specialty coffee drinks, hot toasted breakfast and lunch items, and grab-and-go meal options.

A second Peaks is located at the Advanced Technology and Education Park, Saddleback@ATEP.

Updated information can be found here.

The interactive campus map shows the location of all on-campus food services including vending machines.

Health Services

The Saddleback College Student Health & Wellness Center offers a holistic approach to health care, addressing physical, psychological, and social factors. Our team includes a medical director, nurse practitioners, registered nurses, medical assistants, clinical psychologists, doctorate-level psychology interns, and welcoming front office staff. This

multidisciplinary team is committed to meeting the medical and mental health needs of our students, with a strong emphasis on preventative health and wellness education. Our services include:

- Care for minor illnesses and injuries
- Physical examinations
- Women's health and Pap testing
- Sexual health and STD screening
- Immunizations and TB testing
- Laboratory testing
- Prescriptions
- Psychotherapy
- Psychological testing
- Mental health crisis intervention
- Health education
- Community referrals
- Health program clearances

The above services are available to all currently enrolled students at Saddleback College who have paid their health fee for the current semester. Health consultations are free for eligible students, while certain services incur a nominal fee. Appointments are available both in person and via telehealth.

The Student Health & Wellness Center also offers information on a wide variety of health topics, including opioid overdose prevention, access to opioid overdose reversal medications, fentanyl test strips, drink-spiking drug test kits, sexual assault education, victim survival guide, and campus reporting protocol (California Education Code Sections 67384 and 67385).

Visit our website at www.saddleback.edu/student-support/student-health-wellness-center for more information or to schedule an appointment.

International Students Office

The International Student Office provides a variety of services that include admissions, F1 student visa application and immigration advising, academic workshops, seminars and social events. The office is located in the College Center, Room CC 140. For more information, please call (949) 582-4637 or visit our website at www.saddleback.edu/apply-pay/how-apply/international-student.

Library and Tutoring Services

Learning Resource Center Tutoring

LRC tutoring provides free tutoring for Saddleback College students. Varied tutoring services are available to satisfy student needs: drop-in, one-to-one, groups, ESL conversation groups, and peer led skills workshops.

Free tutoring is provided in-person (LRC 212) and online during the fall, spring, and summer terms. The LRC is closed weekends. More information is available by calling (949) 582-4519, or by visiting our website at www.saddleback.edu/student-support/tutoring-center.

Program Assisting Student Athlete Success (PASS)

The vision of the PASS program is to aid student athletes in achieving success not just on the field, but within the classroom by creating a positive and productive learning environment. This is done by offering focused support and liaison services for all athletes including: tutoring, grade checks, drop-in counseling, academic intervention, C.A.R.E. support, registration and financial aid. For general PASS information please contact Dustin Bothwell, Learning Assistance Specialist. Email at dbothwell@saddleback.edu or by phone at (949) 348-6190.

LRC Open and Skills Computers

The Open and Skills Computers, located on the second and third floors of the LRC offers students the opportunity to use software specific to course assignments, explore learning through the Internet, and strengthen their knowledge of technology by learning more about Canvas, MySite, and how to be successful in online classes. Student Tech Support

Assistants are available on the second and third floors of the LRC. For more information call (949) 582-4363 and visit the Technical Help website www.saddleback.edu/student-support/technical-help.

Library Services

The Saddleback College Library's mission is to assist students and faculty with their research and personal information needs. The Library is located on the third floor of the Library/LRC Building. For complete information about library resources and services visit the website at www.saddleback.edu/library, or call (949) 582-4525 or (949) 582-4526.

Borrowing and Renewing Materials
District students, faculty, and staff may borrow circulating materials with a valid photo ID. Students may check out up to nine items in the circulating collection for up to four weeks. Items (not overdue or for which there is a hold by another user) may be renewed twice, in person or by phone. Supplies permitting, students may check out a Chromebook from the library for use while they are enrolled in classes.

Fees, Fines, and Holds
Overdue items may result in a "hold" on student records that prevents students from registering, adding, dropping classes, and/or receiving grades, transcripts, or diplomas.

Outreach & Strategic Partnerships

The Outreach and Strategic Partnerships Department, serving under the Office of the President, houses our newly developed Enrollment Coach team. This team has been developed to ensure that all new students are offered personalized enrollment support along their journey of becoming a Saddleback College student. Our office, located in the new Gateway Building, engages prospective students through a variety of activities including community presentations, application workshops, open house events, and specialized campus tours.

Please contact our office by email at scoutreach@saddleback.edu or visit our webpage at www.saddleback.edu/apply-pay/how-apply/enrollment-support.

Student Faculty Conferences

The full-time faculty members of Saddleback College maintain office hours during the fall and spring semesters to consult with students concerning class assignments, methods of studying in particular courses, review of test results, other measures of academic achievement, and advisement for program planning when appropriate. Check with the division/school office for faculty members' scheduled office hours.

Student Payment Office

The Student Payment Office is located in the Gateway Building, Room GW 123.

The SPO —

1. Collects student fees and fines
2. Collects financial aid overpayments
3. Processes refund requests
4. Disburses financial aid checks
5. Posts and removes fiscal holds (these are holds for nonpayment) on student accounts

In addition, all student account audits and changes to student accounts are done by the Student Payment Office. For further information, please call (949) 582-4870 or visit our webpage at www.saddleback.edu/apply-pay/tuition-fees.

Student Permanent Photo Identification (ID) Cards

Saddleback College issues student identification cards to be used for college services including the library, printing on campus, and access to other services. Your Saddleback College ID card will also work for services on the Irvine Valley College campus. To be issued a one-time permanent photo identification card, students must be currently enrolled at Saddleback College and have Saddleback College as their College of Record. Student photos may be taken in the Office of Admissions and Records (Gateway Building, Room GW 130) during normal business hours. To have a photo

taken, students must present a valid government issued ID for identity verification. For questions, contact the Office of Admissions and Records at (949) 582-4555 or scadmissions@saddleback.edu (link sends e-mail).

Counseling and Special Services

California Work Opportunity and Responsibility for Kids (CalWORKs)

Saddleback College CalWORKs program works with the County Social Services offices throughout California and other community agencies to support students in achieving upward mobility. The CalWORKs program is committed to assisting students in developing their skills, knowledge, and experience that will enable them to become more marketable in the workforce after earning a certificate, transfer and college degree. Within the CalWORKs program, students are provided with student success support services such as academic, personal, and career counseling, work-study, priority registration, extended tutoring, and much more. The CalWORKs Program office is in the Gateway Building, Room GW 261-2 or call (949) 582-4207 or visit www.saddleback.edu/student-support/specialized-programs/california-work-opportunity-and-responsibility-kids-calworks.

Career Resource Center

The Career Resource Center provides support to students and potential students. It is located in the Gateway Building, Room GW 271-2. Career guidance and job search resources are available to anyone who needs assistance with making a career decision, choosing a major, researching career options and labor market information, searching for on or off campus jobs, or preparing application materials. We assist students in identifying on campus employment and work-study opportunities, and connect students to community-based learning opportunities in non-profit organizations through College Corps. We offer one-on-one appointments, online resources, workshops, and other events. Educational and occupational information are available in the Center and online to explore at the student's own pace. Computerized assessments that measure skills, personality, and values are also available. Finally, the Career Resource Center facilitates employer connections by inviting employers to campus to recruit for jobs and internships. We offer employer information sessions, tabling, and an annual Job & Internship Fair as part of on campus recruitment. To learn more, or to make an appointment please call (949) 582-4575. Additional services and resources are available on our website at www.saddleback.edu/student-support/career-support.

Disabled Student Programs and Services (DSPS)

Disabled Student Programs and Services (DSPS) provides support services and academic adjustments to students with disabilities, enabling them to fully participate and benefit from an equitable college experience at Saddleback College. To determine eligibility, students need to provide documented verification of disability and complete an application in-person at the Gateway Building, Room GW 161-1 or online at the DSPS website: www.saddleback.edu/student-support/specialized-programs/disabled-students-programs-and-services-dsps

DSPS offers the following support services and educational accommodations for eligible students at Saddleback College: priority registration, accommodated testing accommodations, notetaking support, alternative media services, accommodated transportation, alternative furniture, sign-language interpreter services, and academic, personal, and career counseling. In addition, DSPS offers specialized courses on a semester by semester basis and offers workshops and student support in the DSPS Center for Assistive Technology (CAT) Lab located in the Gateway Building, Room GW 281.

For further information about DSPS at Saddleback College, call (949) 582-4885, email scdsps@saddleback.edu, or visit in-person at the Gateway Building, Room GW 161-1.

EOPS/CARE

Extended Opportunity Programs and Services (EOPS)

EOPS serves students who face educational and financial disadvantages. The EOPS program is committed to providing over and above student support services such as priority registration, personalized counseling, book vouchers, extended tutoring, CSU/UC application fee waivers, reimbursement for honors societies membership fees, scholarships, and much more. The goal is to provide EOPS students with the tools and support needed to succeed in their academic and/or vocational goals. Additionally, the program strives to promote self-awareness and personal growth through counseling. Interested students should apply at the EOPS/CARE office in the Gateway Building,

Room GW 261-2, or call (949) 582-4620 for information or visit our website at www.saddleback.edu/student-support/specialized-programs/extended-opportunity-programs-and-services-eopscare-nextup.

Cooperative Agencies Resources for Education (CARE)

As a supplemental program of EOPS, CARE provides additional educational support and assistance to EOPS eligible students who are single head-of-households parents and currently receive CalWORKs (California Work Opportunity and Responsibility to Kids) cash aid for themselves and/or their children. More information is available at the EOPS/CARE office in the Gateway Building, Room GW 261-2, or call (949) 582-4620 or visit our website at www.saddleback.edu/student-support/specialized-programs/extended-opportunity-programs-and-services-eopscare-nextup.

NextUp/Guardian Scholars

The Foster Scholars Program is the foster youth student support program on campus. It is committed to ensuring educational equity for current and former foster youth students as they navigate every step of their college journey by providing safe, consistent, and informed support. The program uses a comprehensive, holistic, and high touch approach to support its students that are "over, above, and in addition to" the traditional services on campus.

There are two student support programs within the Foster Scholars Program: NextUp and Guardian Scholars. The NextUp program serves students who are currently under the age of 26 and were in foster care on or after their 13th birthday while the Guardian Scholars program supports our foster scholars who do not meet NextUp eligibility. More information is available at the EOPS/CARE/Foster Scholars office in the Gateway Building, Room GW 261-2, or call (949) 582-4620 or email us at scfosterscholars@saddleback.edu.

General Counseling

Saddleback College provides complete counseling and career development services. These services include individual and/or group counseling for academic, career, transfer, and personal counseling. Counselors provide support for career decision-making; assistance with educational program planning and course selection; preparation for transfer, a degree, or a specific job; and assistance with beginning or returning to school. Students are encouraged to meet with a counselor at least once a semester.

A major function of counseling is to provide students with the opportunity to identify areas of personal strength and improvement, as well as decision-making, to support their success. Personal reflection and decision-making are essential in planning for the future and reaching personal and academic goals. Counselors serve as valuable resources in this process.

Counselors are available day and evening, either by appointment or on a walk-in basis. Appointments are especially recommended well in advance of registration periods. Counseling is available both in person and online.

Saddleback College students wishing to make an appointment may use our online appointment system, call or stop by the Counseling Office located in the Gateway Building, Room GW 201-1. The number is (949) 582-4572.

It is highly recommended that all students take a Counseling class, which is taught by counselors. Topics include Academic or Educational Planning, Career Exploration, Helping Relationships, Human Relations, and Learning and Study Skills. Each course is intended to aid the individual's success both within, and life beyond the Saddleback College experience.

Transfer Center

The Transfer Center supports and empowers students in achieving their transfer goals by providing holistic counseling services, resources, and programming that enhance awareness, opportunities, and access of transfer information.

Counseling in the Transfer Center includes a focus on CSU, UC, In-State Private, and Out-of-State transfer; college applications and personal statements; Transfer Admission Guarantees (TAG), Associate Degrees for Transfer (AA-T/AS-T); post application assistance; and Honors Program counseling. The Transfer Center also works with four-year college representatives to offer information sessions/workshops and individual representative visits with transfer students.

The Transfer Center hosts college fairs each semester, which attract over 80+ CSU, UC, In-State Private, Out-of-State, and International colleges and universities. The Transfer Center also hosts an annual Transfer Celebration highlighting the academic achievements of our transfer students.

For more information visit us in the Gateway Building, Room GW 287, call us at (949) 582-4328, visit our website at www.saddleback.edu/student-support/transfer-center or email us at sctransfer@saddleback.edu

Veterans Administration (VA) Education Benefits

The Veterans Office provides assistance to students by completing the paperwork required for VA education benefits. Students who qualify for VA education benefits are encouraged to take advantage of their entitlement. In addition to providing education benefits to veterans, this office assists veterans' spouses and veterans' children who apply for VA education benefits to which they are entitled.

1. All students using VA education benefits are eligible for priority enrollment.
2. Students using VA education benefits (such as Chapter 31 or 33) where the Department of Veterans Affairs makes payment to the college for applicable enrollment fees will receive a payment deferral on their student account. There will be no fines, holds, or other penalties assessed on the student's account while the college is awaiting payment from the VA. These students are not required to pay any upfront costs related to enrollments; however, the student will be responsible for any fees not covered by the VA.
3. Transcripts submitted by students using VA education benefits will be evaluated for prior education and training, and applicable credit will be granted toward the student's current program. Records related to the evaluation will be maintained in the student's VA file. All prior education and training for which credit is granted will be applied toward applicable program requirements, shortening the student's training period proportionately.
4. VA students' records are kept for 3 years following the ending date of the last period certified to VA.

Military Tuition Assistance (MTA) program for active duty military personnel is also processed in the Veterans Office. MTA forms must be submitted to the Veterans Office once signed by the active duty service member's commanding officer and military base education officer. This form is available at military bases' education offices.

Military Tuition Assistance is awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws, the student may no longer be eligible for the full amount of funds originally awarded.

Saddleback College returns any unearned TA funds on a proportional basis through at least the 60 percent portion of the period for which the funds were provided.

In instances when a service member stops attending due to a military service obligation, the college will work with the affected service member to identify solutions that will not result in student debt for the returned portion.

In the event a course is dropped by the student and TA funds are received by the college, the unearned tuition assistance funds will be returned as follows:

16-Week Course

- Before or during Weeks 1-2, 100% Return
- During Weeks 3-4, 75% Return
- During Weeks 5-8, 50% Return
- During Week 9, 40% Return (60% of the course is completed week 9.6)
- During Weeks 10-16, 0% Return

8-Week Course

- Before or During Week 1, 100% Returned
- During Week 2, 75% Returned
- During Weeks 3-4, 50% Returned
- During Week 5, 40% Returned (60% of the course is completed week 4.8)
- During Weeks 6-8, 0% Returned

Veterans Education and Transition Services (VETS) Program

Saddleback College is dedicated to supporting United States military veterans in their transition to civilian and college life while fostering their success. The VETS Program offers comprehensive support services for student veterans, active-duty military personnel, and their families. These services include new student onboarding, academic, career, and personal counseling tailored to veterans, assistance with scholarships, and access to the Saddleback Veterans Club. Additional services include outreach to active-duty military at Camp Pendleton's School of Infantry, guidance for dependents utilizing the CalVet Fee Waiver, and help with other educational benefits. The program also hosts events and collaborates with external partners to assist service members in their reintegration journey.

A key component of the VETS Program is the VetSuccess on Campus (VSOC) Counselor, a resource provided by the Department of Veterans Affairs. The VSOC Counselor supports veterans, service members, and their qualified dependents by offering educational and employment counseling. They also provide referrals to VA medical centers for health services, ensuring a holistic approach to addressing any challenges that might impact students' educational progress.

The VETS Center is located in the Gateway Building, Room GW 181. For more information, phone 949-582-4252, visit our website at www.saddleback.edu/student-support/specialized-programs/veterans-education-and-transition-services-vets, or email us at vetsoutreach@saddleback.edu (link sends e-mail).

Graduation Requirements

Philosophy of General Education

(BP 4020) / AR 4020)

The Associate Degree provides a framework within which students complete patterns of learning experiences designed to develop capabilities and insights to support their academic and career goals. Among these capabilities and insights are competencies that are germane to all aspects of higher education and comprise a "general education" curriculum, such as the ability to think critically and to communicate clearly and effectively both orally and in writing, to use quantitative reasoning, understand the modes of inquiry of the major disciplines, to be aware of other cultures and times, to achieve insights gained through experience in thinking about ethical problems, and to develop the capacity for self-understanding.

Furthermore, general education introduces students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must have mastered principles, concepts, and methodologies both unique to and shared by the various disciplines. A general education program should create coherence and integration among the separate requirements and involve students actively in examining values inherent in proposed solutions to major social problems.

The Associate Degree general education pattern is available at www.saddleback.edu/student-support/counseling-services/articulation/general-education-ge-patterns.

Saddleback College offers the following Associate Degrees: Associate of Arts (AA), Associate of Science (AS), and Associate Degrees for Transfer (AA-T/AS-T).

Associate Degree (AA and AS)

(BP 4100/AR 4100)

Upon completion of the following requirements, the South Orange County Community College District Board of Trustees will confer the Associate degree.

1. **Unit Requirement**: Units of Course Credit — minimum 60 units. Courses numbered 1-299 as well as Common Course Numbering (CXXXX) at Saddleback are degree applicable towards the Associate of Arts (AA) or Associate of Science (AS) degree. For course numbering information, please visit the "How To Read Course Descriptions" page. See section below for Associate Degree for Transfer (AA-T and AS-T) requirements.
2. **Scholarship Requirements**: A minimum grade-point average of 2.0 in all units attempted at Saddleback College.
3. **Residence Requirement**: Of the 60 semester units required, at least 12 units must be completed in residence.
4. **General Education Requirement**: Students are advised to consult a Saddleback College counselor for assistance in developing an educational plan prior to choosing their general education pattern and degree. A single course may be used to satisfy both a general education and major requirement. The General Education patterns are viewable at www.saddleback.edu/student-support/counseling-services/articulation/general-education-ge-patterns. Choose one General Education pattern to complete (1 or 2):
    1. Associate Degree – General Education Requirements (Local GE), or
    2. California General Education Transfer Curriculum (Cal-GETC)
5. **Major Requirement**: Complete an Associate degree program as described in the Saddleback College catalog. All courses must be completed with a grade of "C" or better or "P" if the course is taken on a "pass/no pass" basis (Title 5 section 55063).

Associate Degree for Transfer (AA-T and AS-T)

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a

particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

To view the most current list of Saddleback College Associate Degrees for Transfer please see the "Credit Programs Index" page. For more information about CSU similar majors that honor the Associate Degree for Transfer, view their website here www.calstate.edu/apply/transfer/pages/associate-degree-for-transfer-major-and-campus-search.aspx. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

Upon completion of the following requirements, the South Orange County Community College District Board of Trustees will confer the Associate Degree for Transfer:

1. A minimum of 60 transferable semester units. Courses numbered 1-199 as well as Common Course Numbering (CXXXX) are applicable towards Associate Degree for Transfer. For course numbering information, please visit the "How To Read Course Descriptions" page;
2. A minimum grade point average (GPA) of 2.0 in all transferable coursework (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.);
3. Complete an Associate Degree for Transfer program as described in the Saddleback College catalog;
4. All courses in the major must be completed with a grade of C or better or a "P" (pass) designation. Note: A letter grade is preferred by transfer institutions; and
5. Full certified completion of the California General Education Transfer Curriculum (Cal-GETC)

Certificate of Achievement, Certificate of Competency, and Certificate of Completion

(BP 4027, BP 4100 / AR 4100)

A certificate will be issued upon the completion of the following:

1. The required courses and units in the certificate as listed in the catalog. If using approved waivers or substitutions, the minimum units are still required as listed.
2. At least one course required in the certificate must be completed at Saddleback College.

Students with previous educational, career, or technical experience who wish to waive a course on the certificate list may be expected to verify equivalency as outlined in Board Policy and Administrative Regulation 4235 – *Credit for Prior Learning*. Petitions for course waivers or substitutions are available in the colleges' Admissions and Records and Counseling offices. Certificate requirements are published in the college catalog(s), which are reviewed and updated on an annual basis.

Certificate of Achievement

The Certificate of Achievement is awarded upon satisfactory completion of all courses required in an approved program with a grade of **A, B, C, D, or P (Pass)**. See the "Grading Policy" page for additional information.

Certificate of Competency

For students completing noncredit courses in a prescribed pathway, approved by the Chancellor's Office, that prepares students to take credit coursework, including basic skills and ESL, a certificate of competency may be awarded. A noncredit certificate of competency means a document confirming that a student enrolled in a noncredit educational program of noncredit courses has demonstrated achievement in a set of competencies that prepares him or her to progress in a career path or to undertake degree-applicable or non-degree-applicable credit courses.

Certificate of Completion

For students completing noncredit courses in a prescribed pathway, approved by the Chancellor's Office, leading to improved employability or job opportunities, a certificate of completion may be awarded. A noncredit certificate

of completion means a document confirming that a student has completed a noncredit educational program of noncredit courses that prepares students to progress in a career path or to take degree-applicable credit courses.

Occupational Skills Award

Occupational Skills Awards acknowledge to the recipient and the potential employer achievement of a set of vocational skills in a specific field. These awards may contain from 6 to 15.5 units and do not appear on the student transcript. At least one course required in the Occupational Skills Award must be completed at Saddleback College.

It is the student's responsibility to make a formal application for the Occupational Skills Award to the Office of Admissions and Records. The application for Occupational Skills Award may be found online in MySite.

Graduation Petition Deadlines

If a student has met all of the requirements for a degree or certificate, Saddleback College may automatically award some of these without further action needed from the student. However, to ensure that the degree or certificate is awarded and posted, students are encouraged to apply through MySite for conferral of the award during their final semester. Official transcripts for any prior work must be on file for the coursework to be considered. The dates to file a Petition for Graduation are:

- Nov 2 - March 15* for spring graduation
- March 16 - July 1* for summer graduation
- July 2 - November 1* for fall graduation

*Associate Degree for Transfer deadlines may be different. Please see a Counselor for more information.

Additional Associate Degrees and Certificates

A student may earn multiple Associate Degrees and Certificates from Saddleback College. Each additional Degree and Certificate will be posted to the student's academic record and the student will receive diplomas for each Degree and Certificate earned. For additional degrees and certificates, any course used to meet the prescribed graduation requirements may count toward more than one degree and certificate. Courses used for one major may be used to meet requirements for additional majors. Courses used to meet the major and general education requirements for the first degree may be used to fulfill these requirements for additional degrees, provided the student has maintained "continuous enrollment" (see Graduation Requirements and Student Catalog Rights). If a break in enrollment occurs, a student must comply with the general education and major requirements in effect at the time the student resumes attendance or those in effect in subsequent years of the student's enrollment.

Transfer to a Four-Year Institution

Transfer Planning Information

Transfer Planning

Transfer students, that is, students planning to enter a four-year college or university after attending Saddleback College, should take note of the following:

Overview

There are four systems of higher education in California:

1. California Community Colleges (CCC)
2. California State University (CSU)
3. University of California (UC)
4. Private/Independent Colleges & Universities (AICCU)

Each of the systems above offer bachelor's degrees (note: the California Community Colleges recently began offering this option; there are limited schools and programs available). The other systems of higher education offer a wide variety of programs at each campus.

To begin your transfer planning, it's important to explore and learn about each system and the available programs and majors. Transfer students need to understand the differences between each system, programs and majors available, financial aid options, admission requirements, and campus-specific admission criteria.

As a transfer student, you are preparing for your Bachelor's Degree at Saddleback. This means the courses you will likely be taking prior to transfer are your lower division general education requirements, preparation courses in a major, and elective courses, if needed. Since transfer students at most institutions are required to identify and prepare for a major prior to transfer, undeclared students should begin exploring options now. Saddleback College has resources to support you such as Counseling courses and counseling appointments through General Counseling and the Transfer Center.

The California State University

The following information is subject to change

Application Filing Periods

Fall Semester:	October 1 - November 30
Spring Semester:	July 1 - August 31
Summer Semester:	February 1 - February 28

Applications must be submitted during the application filing period. Students are encouraged to apply in advance of the deadlines. Summer and spring semester are not always open for admission. For further information, refer to the Cal State Apply website.

Transfer Student

You are considered a transfer student if you have enrolled in a community college or university other than a CSU following high school graduation.

1. Students with fewer than 60 transferable semester (90 quarter) units are considered lower division transfer students.
2. Students who have completed 60 or more transferable semester units (90 or more quarter units) are considered upper-division transfer students.

Note: Students who completed college units before they graduated from high school or during the summer between high school graduation and CSU enrollment are considered first-time freshmen and must meet those admission requirements.

Transfer Admission Requirements

Minimum Upper-Division Transfer Eligibility Requirements (must meet all requirements below):

1. Have completed a minimum of 60 semester or 90 quarter units of transferable coursework.
2. Have an overall transferable GPA of at least 2.00.
3. Be in good standing at the last college or university attended. In simple terms, "good standing" means you are eligible to re-enroll at your last college or university.
4. Have completed 10 general education courses (30 semester or 45 quarter units), with a grade of C- or better and specifically four courses completed in the following areas:

Cal-GETC
Area 1: English Communication
1A English Composition
1B Critical Thinking and Composition
1C Oral Communication
Area 2: Mathematical Concepts and Quantitative Reasoning

For more information please see the Cal State website: www.calstate.edu/apply/transfer/Pages/upper-division-transfer.aspx.

Note: Some CSU campuses may accept a limited number of lower-division transfer applicants (applicants with fewer than 60 semester transferable units). Lower-division transfer applicants will be held to specified CSU eligibility standards. Check with a counselor and Cal State Apply for more information: www.calstate.edu/apply/transfer/Pages/lower-division-transfer.aspx.

Transferable Coursework

Transferable courses are those approved for transfer to the receiving institution. Saddleback College courses numbered 1 to 199 in the catalog are designated as CSU-transferable as well as Common Course Numbering (CXXXX). For more course numbering information, please visit the "Information About Courses" section.

A maximum of 70 semester (105 quarter) units earned in a community college may be transferred to the California State University. Subject credit for transferable units in excess of 70 units may also be granted to satisfy university graduation requirements. No upper-division credit is allowed for courses taken in a community college.

Students transferring with Cal-GETC certification of general education may have satisfied CSU's general education requirements. Students transferring without certification of general education must complete the pattern of courses as outlined in the catalog of the particular CSU campus.

Transfer Students and Certification of General Education Requirements

Cal-GETC

(Information Subject to Change)

Completion of the California General Education Transfer Curriculum (Cal-GETC) will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) and/or University of California (UC) campus or program without the need, after transfer, to take additional lower division, general education courses to satisfy campus general education requirements. For most students, it is strongly recommended that students complete Cal-GETC prior to transfer. All CSUs and most UC campuses and programs will accept certified Cal-GETC completion as satisfying lower-division general education requirements. Some UC colleges and majors within the UC campus may not accept or recommend Cal-GETC to fulfill all of their general education requirements. A list of those UC colleges and majors is found on the UC Admissions web page (under "general education").

https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/campus-guidance.html

Completion of the Cal-GETC is not an admission requirement or admission guarantee for transfer to the CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements at the CSU or UC. It is however required for conferral of an Associate Degree for Transfer (ADT: AA-T/AS-T). There is no limit on the number of external exams (Advanced Placement and International Baccalaureate) that can be applied to Cal-GETC. Cal-GETC certification does not determine applicability towards meeting program requirements at the receiving institution. College Level Examination Program (CLEP) and other College Board and ACT exams (SAT I/II, Subject Tests, Achievement Tests) cannot be used for Cal-GETC.

Note: Students transferring to a CSU who have Cal-GETC certified as complete will still need to complete 9 semester units of upper-division general education (GE) after transfer and may also be held to other campus specific graduation requirements outside of general education and major coursework.

It is strongly recommended you meet with a Saddleback counselor in the Transfer Center or General Counseling to review transfer requirements.

2026-2027 Cal-GETC was not available at the time of publication. Once available, it will be viewable at www.saddleback.edu/student-support/counseling-services/articulation/general-education-ge-patterns. Please meet with a counselor for the most up to date information.

University of California

The following information is subject to change

Application Filing Periods

Fall Quarter/Semester:	October 1 - November 30
Winter Quarter/Spring Semester:	July 1 - July 31

Applications must be submitted during the application filing period. Students are encouraged to apply in advance of the deadlines. Typically, only a limited number of UC campuses accept applications for Winter quarter/Spring semester. For further information, refer to the UC Admissions website.

Transfer Student

You are considered a transfer student if you enrolled in a regular session (fall, winter, or spring) at a college or university after high school graduation.

Transfer Admission Requirements

Minimum Upper-Division Transfer Eligibility Requirements (must meet all requirements below):

1. Complete at least 60 semester (90 quarter) units of UC-transferable credit.
2. Earn at least a 2.4 GPA in UC-transferable courses (2.8 if you're a nonresident).
3. Complete the 7-course pattern by the end of the spring prior to fall enrollment at UC:
    a. Two transferable courses in English composition (UC-E)
    b. One transferable course in mathematical concepts and quantitative reasoning (UC-M)
    c. Four transferable college courses chosen from at least two of the following subject areas:
        i. Arts and Humanities (UC-H)
        ii. Social and Behavioral Sciences (UC-B)
        iii. Physical and Biological Sciences (UC-S)
4. Complete the required/recommended courses needed for your intended major with the minimum grades.

Visit ASSIST to see the major preparation coursework expected by each campus as well as which courses from Saddleback meet the 7-course pattern requirement. For more information about transferring as an upper-division transfer student refer to the UC Admissions website.

Note: Some UC campuses may admit a limited number of Lower-division transfer students before they complete 60 UC transferable units. You'll need to check the website of the UC campus you're considering to learn if they will accept applications from lower-division transfers.

Transferable Coursework

Transferable courses are those approved for transfer to the receiving institution. Saddleback College courses numbered 1 to 99 in the catalog are designated as UC-transferable as well as Common Course Numbering (CXXXX). For more course numbering information, please visit the "Information About Courses" section.

A maximum of 70 semester (105 quarter) units earned in a community college may be transferred to the University of California. Subject credit for transferable units in excess of 70 units may also be granted to satisfy university graduation requirements. No upper-division credit is allowed for courses taken in a community college.

Students transferring with Cal-GETC certification of general education may have satisfied UC's general education requirements. Students transferring without certification of general education must complete the general education requirements (sometimes called breadth requirements) of the specific UC campus.

Transfer Students and Certification of General Education Requirements

Cal-GETC

(Information Subject to Change)

Completion of the California General Education Transfer Curriculum (Cal-GETC) will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) and/or University of California (UC) campus or program without the need, after transfer, to take additional lower division, general education courses to satisfy campus general education requirements. For most students, it is strongly recommended that students complete Cal-GETC prior to transfer. All CSUs and most UC campuses and programs will accept certified Cal-GETC completion as satisfying lower-division general education requirements. Some UC colleges and majors within the UC campus may not accept or recommend Cal-GETC to fulfill all of their general education requirements. A list of those UC colleges and majors is found on the UC Admissions web page (under "general education"). admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/campus-guidance.html

Completion of the Cal-GETC is not an admission requirement or admission guarantee for transfer to the CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements at the CSU or UC. It is however required for conferral of an Associate Degree for Transfer (ADT: AA-T/AS-T). There is no limit on the number of external exams (Advanced Placement and International Baccalaureate) that can be applied to Cal-GETC. External exams may be used regardless of when the exam was taken. Cal-GETC certification does not determine applicability towards meeting program requirements at the receiving institution. College Level Examination Program (CLEP) and other College Board and ACT exams (SAT I/II, Subject Tests, Achievement Tests) cannot be used for Cal-GETC.

It is strongly recommended you meet with a Saddleback counselor in the Transfer Center or General Counseling to review transfer requirements.

2026-2027 Cal-GETC was not available at the time of publication. Once available, it is viewable at www.saddleback.edu/student-support/counseling-services/articulation/general-education-ge-patterns.

Independent California Colleges and Universities

There are over 85 fully accredited independent colleges and universities currently affiliated with the Association of Independent California Colleges and Universities (AICCU) providing a host of options at for students planning to continue their education beyond Saddleback College. All AICCU institutions are non-profit, WASC Senior College and University Commission (WSCUC) accredited, degree granting with a main campus located in California. Students are advised to refer to the AICCU's website at https://aiccu.edu.

There are many other private colleges and universities which are not affiliated with AICCU as well. Regardless of whether the college or university is part of AICCU, admissions policies vary widely from one school to another. It is recommended students begin exploring these options as soon as possible, starting with the college or university's Admissions website.

Transferability of Saddleback courses to Independent California Colleges and Universities will also vary widely from one school to another. Saddleback College may have articulation agreements with independent institutions. Please see the Articulation website for specific information www.saddleback.edu/student-support/counseling-services/articulation/private-and-out-state-colleges-and-universities.

Financial aid may be a primary factor in considering attending an independent college. Information on financial aid is available from financial aid offices on independent college campuses as well as in the Financial Aid office at Saddleback College.

AICCU Transfer Commitment

The AICCU Transfer Commitment is part of the sector's commitment to serve all types of California students, including Transfer. Transfer pathways include campus articulation agreements and the Associate Degree for Transfer (ADT) program. For more information visit the AICCU Transfer Students website.

Students should refer to the transfer college's catalog, website, and contact their admissions office for details regarding campus-specific general education requirements and options.

It is strongly recommended you meet with a Saddleback counselor in the Transfer Center or General Counseling to review transfer requirements.

Transfer Information and Resources

Online Information

The following websites are helpful resources for students planning to transfer to a California State University (CSU), University of California (UC), an In-State Private or Out-of-State college or university, and/or a California Community College (CCC) Bachelor's Degree program.

ASSIST

ASSIST (www.assist.org) is the official course transfer and articulation system for California colleges and universities. It shows prospective California transfer students how courses they complete at a community college may be used to satisfy major, general education, and/or elective requirements at a California university.

CSU Resources

The resources below will help you understand the CSU system, campuses, and admission requirements.

Cal State Admissions: https://www.calstate.edu/apply

Transferring to the CSU: https://www.calstate.edu/apply/transfer

CSU Transfer Planner: https://csutransfer.myliaison.com

Impaction at the CSU: https://www.calstate.edu/attend/impaction-at-the-csu

Costs & Financial Aid: https://www.calstate.edu/attend/paying-for-college/Pages/default.aspx

UC Resources

The resources below will help you understand the UC system, campuses, and admission requirements.

University of California Admissions: https://admission.universityofcalifornia.edu

UC Transfer Requirements: https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements

Transfer Admission Planner (TAP): https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/transfer-planning-tools/uc-transfer-admission-planner.html

Transfer Admission Guarantee (TAG): https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/uc-transfer-programs/transfer-admission-guarantee-tag.html

Tuition & Financial Aid: https://admission.universityofcalifornia.edu/tuition-financial-aid

In-State Private Resources

There are over 85 fully accredited independent, non-profit colleges and universities in California affiliated with the Association of Independent College and Universities (AICCU) that provide transfer opportunities to Saddleback students. Please refer to their website https://aiccu.edu for College specific resources and information.

There are many other private college and universities not affiliated with AICCU as well. Admission policies and requirements vary widely from school to school. Please check each college's admission website for their campus-specific requirements.

Out-of-State Resources

Transferring to an out of state college or university from Saddleback is possible. Admission requirements vary from campus to campus, so please check the admission websites of each school. Refer to College Navigator https://nces.ed.gov/collegenavigator to explore colleges and universities in the U.S.

There are several Historically Black Colleges and Universities (HBCU) located out of state. To learn more about HBCUs please visit www.thehundred-seven.org/index.html. There is a California Community Colleges Transfer Guarantee Pathway to 39 Historically Black Colleges and Universities. Please visit https://icangotocollege.com/hbcu-transfer-opportunities for more information.

Costs & Financial Information. Some out of state schools and programs participate in the Western Undergraduate Exchange (WUE). You may be eligible and qualify for reduced tuition through this program. For more information visit www.wiche.edu/tuition-savings/wue.

CCC Resources

Learn more about the CCC Bachelor's Degree program here: Baccalaureate Degree Programs.

Student Rights and Conduct

Rules and Regulations for Student Behavior

Saddleback College students are responsible for regulating their own conduct and for respecting the rights and privileges of others in accordance with the Code of Conduct set by the District Board of Trustees *(AR 5500)*. Saddleback students are expected to conduct themselves in a manner compatible with the function of the college as an educational institution and respect and obey all civil and criminal laws. Failure to show respect for the standards as set forth by Saddleback College is cause for disciplinary action.

Code of Conduct

In compliance with California Education Code Section 66300 and in keeping with the above, the following regulations have been established to effectively and efficiently guide the approved educational programs, approved student activities, and community services.

Students may be disciplined for one or more of the following causes related to college activity or attendance while on campus, at satellite locations, and online. Conduct that constitutes sexual harassment under Title IX will be subject to *AR 3433 Sexual Harassment Complaints Under Title IX* and *AR 3540 Sexual and Other Related Assaults on Campus*.

A. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of or persistent abuse of, District personnel.
B. Assault, battery, or any threat of force or violence upon a student, District personnel, or an authorized visitor.
C. Willful misconduct resulting in injury or death to a student or District personnel or an authorized visitor, or willful misconduct resulting in damage, defacing, theft, or other injury to any real or personal property owned by the District, or District personnel, or students in attendance at the colleges or programs of the District.
D. Unsafe behavior in a clinical or lab setting that poses a threat to self or others.
E. The unlawful use, sale, or possession on District property or presence on District property while under the influence of any controlled substance or any poison classified as such by federal or state law.
F. Smoking in an area where smoking has been prohibited by law or by Board policy or administrative regulation.
G. Disorderly, lewd, indecent, or obscene conduct on District property or at District sponsored functions.
H. Sexual assault (as defined in Board Policy *BP 3540 - Sexual and Other Related Assaults on Campus*) on any student or employee of the District, on campus or off-campus grounds or facilities maintained by the District.
I. The possession or use of any firearms, explosives, dangerous chemicals, deadly weapons, or other potentially harmful implements or substances while on District property or at a District-sponsored function without the prior authorization of the disciplinary officer.
J. The obstruction or disruption, on or off campus, of any educational or administrative process or function of the District.
K. Physical abuse, on or off campus property, of the person or property of any member of the campus community or of members of their family or the threat of such physical abuse when related to a District program or activity.
L. Misrepresentation of oneself or of an organization as an agent of the District.
M. Soliciting or assisting another to do any act that would subject a student to discipline.
N. Use, possession, or distribution of alcoholic beverages and/or illegal narcotics/drugs on District premises, or at District-sponsored events, or appearance on District property or at District-sponsored events while under the influence of alcohol or illegal narcotics/drugs unless otherwise provided by law and District policy.
O. Unauthorized recording, dissemination, and publication of academic presentations or materials. This prohibition applies to a recording made in any medium.
P. Actions of force or threat of force to injure, intimidate, oppress, or threaten because of the other person's race or ethnicity, color, religion, ancestry, national origin, disability, gender, gender identity, gender expression, sexual orientation, or any other status protected by law, or because of the perception that the other person has one or more of these characteristics.
Q. Academic dishonesty, including, but not limited to falsification, plagiarism, cheating, or fabrication, which compromises the integrity of an assignment, a college record, or a program.

    a. Falsification involves any conduct in academic work, records, or programs that is intended to deceive, including, but not limited to, the following acts:

        1. forging signatures on official documents such as admissions cards and financial aid applications.
        2. changing or attempting to change official academic records without proper sanction.

3. misrepresenting or falsifying successful completion prerequisites.
4. providing false information, such as immigration materials, during the admission or matriculation process.
5. falsifying one's identification or falsely using another's identification.
6. logging in or otherwise gaining access to a computer, computer network, or protected website using the password or identity of another.
7. citation of data or information not actually in the source indicated.
8. including in a reference list of works cited a text or other information source that was not used in constructing the essay, paper, or other academic exercise.
9. submission in a paper, lab report, or other academic exercise of falsified, invented, or fictitious date or evidence, or deliberate and knowing concealment or distortion of the true nature, origin, or function of such data or evidence.
10. submitting as the student's own work any academic exercises (e.g., written work printing, sculpture, etc.) prepared totally or in part by another.
11. taking a test for someone else or permitting someone else to take a test for a student.

b. Plagiarism is any conduct in academic work or programs involving misrepresentation of someone else's words, ideas, or data as one's original work, including, but not limited to, the following:

1. intentionally representing as one's own work the work, words, ideas or arrangement of ideas, research, formulae, diagrams, statistics, or evidence of another.
2. taking sole credit for ideas and/or written work that resulted from collaboration with others.
3. paraphrasing or quoting material without citing the source.
4. submitting as one's own a copy of or the actual work of another person, either in part or in entirety, without appropriate citation (e.g., term-paper mill or internet derived products).
5. sharing computer files and programs or written papers and then submitting individual copies of the results as one's own individual work.
6. submitting substantially the same material in more than one course without prior authorization from each instructor involved.
7. modifying another's work and representing it as one's own work.

c. Cheating is the use of any unauthorized materials, or information in academic work, records or programs, the intentional failure to follow express directives in academic work, records, or programs, and/or assisting others to do the same including, but not limited to, the following:

1. knowingly procuring, providing, or accepting unauthorized examination materials or study aids.
2. completing, in part or in total, any examination or assignment for another person.
3. knowingly allowing any examination or assignment to be completed, in part or in total, for themself by another (e.g., take-home exams or on-line assignments which have been completed by someone other than the student).
4. copying from another student's test, paper, lab report, or other academic assignment.
5. copying another student's test answers.
6. copying, or allowing another student to copy, a computer file that contains another student's assignment, homework lab reports, or computer programs and submitting it, in part or in its entirety, as one's own.
7. using unauthorized sources of information such as crib sheets, answers stored in a calculator, or unauthorized electronic devices.
8. storing answers in electronic devices and allowing other students to use the information without the consent of the instructor.
9. employing aids excluded by the instructor in undertaking course work.
10. looking at another student's exam during a test.
11. using texts or other reference materials (including dictionaries) when not authorized to do so.
12. knowingly gaining access to unauthorized data.
13. altering graded class assignments or examinations and then resubmitting them for regrading or reconsideration without the knowledge and consent of the instructor.

R. Contravention of Copyright Laws.
S. Violation of District Board Policies and Administrative Regulations.

Access to Records and Release of Information

(BP 5040/AR 5040)

The congressional legislation entitled The Family Educational Rights and Privacy Act is designed to protect the privacy of student information.

In compliance with this law, the college provides students access to specified official records directly related to the student and an opportunity to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate, while providing for the challenge of the actual grade received.

The college will not release, except by subpoena from state, local, and federal government officials, personally identifiable data about students without their prior written permission. The following directory items are exceptions to this policy.

Saddleback College regards as public information:

1. Terms for which a student is enrolled.
2. The enrollment status (full time or part time, as defined by financial aid regulations) for the term in which the student is enrolled.
3. Declared major.
4. Participation in officially recognized activities and sports including weight, height, and high school of graduation of athletic team members.
5. Degrees and awards received including honors, scholarship awards, athletic awards, and Dean's List recognition.

Students who do not wish to have the above directory information released must submit a written request to the Dean of Enrollment Services.

Students wishing to challenge information in their files should contact the Vice President for Student Services, who will cause a hearing to be held.

A standard fee has been established to cover the cost of furnishing copies of some college records to the student. Students wishing to have a copy of other records will be furnished copies at the actual reproduction cost except when copies of transcripts of coursework completed at other institutions must be obtained from those institutions.

The act applies to educational records only and does not include administrative records.

Catalog Rights and Continuous Enrollment

Effective Fall 2009

Catalog Rights

Because course requirements for degree and certificate completion may change from one catalog year to the next, students may establish "catalog rights" when they first take classes at Saddleback. Establishing catalog rights protects the student from being held for additional requirements that may be added to a later catalog. Policies printed in the college catalog are in effect for the academic year, fall, spring, and summer.

Beginning in fall 2009, the number of years allowed for students to complete a certificate or degree program and maintain catalog rights from when they first took classes at Saddleback College will be no more than six years.

Students who were enrolled prior to fall 2009 shall be afforded the catalog rights from when they first took classes at Saddleback College, if they have met the standards for continuous enrollment given below.

For the purposes of meeting graduation or certificate requirements, students may elect to meet the requirements of any of the following, provided they maintain continuous enrollment and meet the six year time frame for certificate and degree program completion:

1. The catalog was in effect at the time they began taking courses at Saddleback College, or
2. Any catalog that is or has been in effect during the time that they have maintained continuous enrollment before graduation, or
3. The catalog that is in effect at the time they file an application for a degree or certificate.

Continuous Enrollment

Students maintain catalog rights by maintaining continuous enrollment in the South Orange County Community College District - that is by receiving a letter grade of "A", "B", "C", "D", "F", "P"(C), "NP" (NC), "RD", "W", "MW", "EW", "FW", or "I" on their transcripts for at least one course per academic year.

Catalog rights apply only to Saddleback College graduation and program requirements. If other institutions change their requirements for entrance, graduation, satisfaction of general education patterns, or in other ways, it may be necessary for the student to meet the new requirements upon transfer, even if continuous enrollment has been maintained.

Unless otherwise requested by the student on the Petition for Graduation, the catalog used to determine eligibility will be the catalog in effect at the time the student began continuous enrollment at Saddleback College.

Documented military or medical leave will not be considered an interruption of enrollment. Absence related to an approved educational leave or for attendance at another accredited institution of higher learning is not considered an interruption, providing the absence does not exceed two years.

Some programs require that students complete specific courses within an established time frame. In such cases, recency requirements supersede catalog rights.

Student Right-to-Know Rate Disclosure

Saddleback Community College - Student Right-to-Know Rates for Fall 2022 Cohort

Completion Rate: 50.69 %
Transfer Rate: 5.27 %

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2022, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three year period. Their completion and transfer rates are listed above. **These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three year tracking period.**

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three year period, from Fall 2022 to Spring 2025. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five semester period, from Spring 2023 to Spring 2025, are transfer students.

Information about Student-Right-to-Know rates for Saddleback College and how they should be interpreted can be found at the California Community Colleges Student-Right-to-Know Information Clearinghouse website: http://srtk.cccco.edu/index.asp (link is external).

Nondiscrimination and Harassment Policies

(BP 3430/AR 3430)

The South Orange County Community College District is committed to providing an academic and work environment free of unlawful discrimination and harassment. Federal and state laws and District policies afford students and employees the right to work or learn in an environment free from discriminatory intimidation, ridicule and insult.

The District prohibits illegal harassment including the acts of students, employees, and non-employees. Prompt and equitable action, including appropriate disciplinary action, will be taken against any student, employee (supervisory or otherwise), or agent of the District, who engages in such conduct. The action will be prompt, effective, and commensurate with the severity of the offense.

General Harassment

Discrimination and/or harassment based on race, color, sex, gender, gender identity, gender expression, religion, national origin, ethnic group identification, ancestry, age, physical or mental disability, medical condition, military

service, sexual orientation, marital status, pregnancy, or any legally protected characteristic, or the perception that a person has one or more of these characteristics is illegal and violates District policy.

Gender-based harassment does not necessarily involve conduct that is sexual. Any hostile or offensive conduct based on gender can constitute prohibited harassment. Harassment comes in many forms, including but not limited to the following conduct:

- Verbal: Inappropriate or offensive remarks, slurs, jokes or innuendoes based on a person's race, gender, sexual orientation, or other legally protected status.
- Visual or Written: The display or circulation of visual or written material that degrades an individual or group based on gender, race, nationality, sexual orientation, or other legally protected status.
- Environmental: A hostile academic or work environment exists where it is permeated by sexual innuendo; insults or abusive comments directed at an individual or group based on gender, race, nationality, sexual orientation or other legally protected status; or gratuitous comments regarding gender, race, nationality, sexual orientation or other legally protected status that are not relevant to the subject matter of the class or activities on the job.
- Physical: Inappropriate or offensive touching, assault, or physical interference with free movement. This may include, but is not limited to, kissing, patting, lingering or intimate touches, grabbing, pinching, leering, staring, unnecessarily brushing against or blocking another person, whistling or sexual gestures. It also includes any physical assault or intimidation directed at an individual due to that person's gender, race, national origin, sexual orientation or other protected status. Physical sexual harassment includes acts of sexual violence, such as rape, sexual assault, sexual battery, and sexual coercion. Sexual violence refers to physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol. An individual also may be unable to give consent due to an intellectual or other disability.

Sexual Harassment

(AR 3433)

In addition to the above, sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other conduct of a sexual nature when:

- Submission to the conduct is made a term or condition of an individual's employment, academic status, or progress;
- Submission to, or rejection of, the conduct by the individual is used as a basis of employment or academic decisions affecting the individual;
- The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile or offensive work or educational environment; or
- Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the college.
- An individual who feels they have been subjected to sexual assault may file a complaint with the police department or the designated Title IX Officer for Saddleback College (see next section for contact information).

Complaint Procedures

Informal Procedures

The District strongly encourages students and staff who believe they are being harassed to file a complaint in a timely manner. Since failure to report harassment impedes the District's ability to stop the behavior, the District strongly encourages that such complaints be made within 30 days of the alleged incident. Any complaint not involving employment may be made orally or in writing within one year of the date of the alleged discrimination or harassment.

The District has established "designated officers" who are charged with receiving complaints. The designated officer will explain the rights and options available to the individual bringing charges of unlawful discrimination or harassment. If there is a simple misunderstanding or the individual does not wish to file a formal complaint, the individual may elect to pursue an informal resolution process. The informal process is not a prerequisite for filing a formal complaint.

An individual who feels they have been subjected to sexual assault may file a complaint with the police department in addition to any other complaint.

Individuals who believe they have been subjected to unlawful discrimination, including harassment, may report complaints to the designated officer for Saddleback College:

Dr. Jennifer LaBounty
Vice President for Student Services -- Title IX Officer for Saddleback College
28000 Marguerite Parkway, Mission Viejo, CA 92692
jlabounty@saddleback.edu
(949) 582-4566

Formal Procedures

If an informal process does not resolve the matter and/or the complainant wishes to pursue formal charges, he or she may elect to follow formal complaint procedures. The informal process may not be appropriate for complaints of sexual assault. Formal complaints of unlawful discrimination or harassment must be filed in writing on a form prescribed by the State Chancellor. Approved complaint forms are available from any one of the following sources:

Dr. Jennifer LaBounty
Vice President for Student Services -- Title IX Officer for Saddleback College
28000 Marguerite Parkway, Mission Viejo, CA 92692
jlabounty@saddleback.edu
(949) 582-4566

Director of Human Resources
South Orange County Community College District
28000 Marguerite Parkway, Mission Viejo, CA 92692
(949) 582-4348 or (949) 582-4850

Saddleback College - www.saddleback.edu

South Orange County Community College District - www.socccd.edu/departments/human-resources/title-ix-information/file-title-ix-complaint

California Community Colleges Chancellor's Office - www.cccco.edu (link is external)

Upon receiving a formal written complaint, the District will determine whether the complaint has met the necessary requirements, which include but are not limited to whether it was filed in a timely manner, on an appropriate form, and whether it alleges unlawful discrimination as stipulated in Title 5, section 59300. The District will investigate properly filed complaints according to procedures prescribed in Board policy. The District will complete its investigation within 90 days of receiving the complaint and report its administrative determination. The District must provide written notice to both the complainant and the State Chancellor of whether there is probable cause to sustain the charges raised in the complaint; a description of the action taken, if any, to prevent similar problems from occurring in the future; the proposed resolution of the complaint; and the complainant's right to appeal to the District and the State Chancellor.

Further Information

For more comprehensive information about discrimination and harassment, students are encouraged to read the Harassment Policy and Complaint Procedure brochure, which is available on-line at the Vice President for Student Services website: www.saddleback.edu/administration/office-student-services. Comprehensive policy information and complaint form are also available at the District's Title IX Complaint website: www.socccd.edu/departments/human-resources/title-ix-information/file-title-ix-complaint.

Students may also refer to Administrative Regulation *AR 3433* for more information regarding filing a complaint and investigation procedures.

Disability Discrimination

Students who have specific questions related to disability discrimination are encouraged to contact the Disabled Student Programs and Services (DSPS) office located in the Gateway Building, Room GW 161-1, or call (949) 582-4885 or (949) 482-4430 (video phone for the deaf), or email to scdsps@saddleback.edu.

Formal complaints may be filed with the Dean of Counseling and Special Programs, who serves as the 504 Officer/ ADA Coordinator at Saddleback College:

Dr. Penelope Skaff
Dean of Counseling and Special Programs -- Section 504/Title II Coordinator for Saddleback College
28000 Marguerite Parkway, Mission Viejo, CA 92692
pskaff@saddleback.edu
(949) 582-4573

ADA Academic Adjustments

Students with verified disabilities who believe they have not been given reasonable academic accommodations are urged to immediately contact the Disabled Student Programs and Services (DSPS) office at (949) 582-4885 or (949) 482-4430 (video phone for the deaf), or send an email to scdsps@saddleback.edu, to see if their concerns or issues regarding accommodation and/or district policies can be satisfactorily resolved. A copy of the Saddleback ADA Academic Adjustment Procedure is available upon request.

Formal complaints may be filed with the Dean of Counseling and Special Programs:

Dr. Penelope Skaff
Dean of Counseling and Special Programs -- Section 504/Title II Coordinator for Saddleback College
28000 Marguerite Parkway, Mission Viejo, CA 92692
pskaff@saddleback.edu
(949) 582-4573

According to the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, individuals with disabilities may file a complaint with the Office for Civil Rights, U.S. Department of Education.

Drug Free Workplace and Smoke Free Campus

Drug-Free Workplace Policy

(BP 3550/AR 3550)

The purpose of this regulation is to implement the provisions of the Drug-Free Workplace Act of 1988 (Public Law 100-690, 41 U.S.C. 5151, et seq.), which requires federal grant recipients to provide a drug-free workplace.

The Chancellor shall:

1. Distribute the following statement to all employees:

   You are hereby notified that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, as defined in Schedules I-V of Section 202 of the Controlled Substances Act (21 U.S.C. 812), is prohibited in the workplace.

   You are further notified that, as a condition of your continued employment in this district which accepts federal grants, you will abide by the terms of this statement, and will notify the district of any criminal drug statute conviction (including a plea of nolo contendere), occurring in the workplace. Said notice shall be delivered no later than five (5) days after such conviction.

   The district will take appropriate personnel action, up to and including dismissal, against any employee found to have violated the provisions of this statement.

2. Establish a drug-free awareness program to inform employees about:
   a. The dangers of drug abuse in the workplace;
   b. The district's policy of maintaining a drug-free work place;
   c. Drug counseling, rehabilitation, and assistance programs available to eligible employees through the Employee Assistance Program; and
   d. The penalties that may be imposed by the district on employees for drug abuse violations.

Smoke and Tobacco Free District

(BP 3570/AR 3570)

The District is a smoke and tobacco free environment. Smoking, vaping, and the use of tobacco and marijuana products is prohibited within any District facility and/or on any property at all times.

This administrative regulation pertains to students, faculty, staff, management team members, visitors, and the general public attending events at any site within the District. Additionally, this regulation shall apply to all District facilities or properties, owned or leased for District use, regardless of location; and all automotive and auxiliary vehicles.

The following guidelines shall apply:

1. Smoking, e-cigarettes/vaporizers, chewing tobacco, and snuff are prohibited in all District buildings and on all District property, including athletic fields and viewing stands, lawns, walkways, parking lots, and stairwells.
2. District owned or rented vehicles transporting students and staff for instructional/extra-curricular activities are considered non-smoking areas.
3. As new related medical research and information becomes available, this administrative regulation and corresponding board policy will be reviewed by the Student Health Centers and the Employee Wellness Program and distributed as appropriate.
4. The Student Health Centers will serve as referral agencies and provide guidance for students and staff as requested.

Tobacco products include, but are not limited to, the burning of any type of cigar, cigarette, or pipe. Uses of electronic cigarettes (vapor) and smokeless/chewing tobacco are also prohibited.

Students, faculty, and staff who are interested in smoking cessation are encouraged to explore the free services offered by the California Smokers Helpline at 1-800-300-8086 and www.kickitca.org.

Violators of this regulation may be subject to a citation.

Parking

Traffic and Parking Regulations

(BP 6750/AR 6750)

These regulations are intended to promote the safe and orderly movement of traffic on all District and college property for vehicles and bicycles. All applicable provisions of the California Vehicle Code (CVC) are expressly applicable to the traffic upon the roadways, driveways, paths, parking facilities, and grounds of the District and colleges.

Permits are required for motor vehicles, unless exempted in Section V. below. Parking of motor vehicles and bicycles is limited to specially designated areas. Vehicles or bicycles parked or left standing in violation of the provisions of this regulation are subject to fines, towing, or impoundment. The District provides parking facilities for vehicles for the sole purpose of conducting college business.

Driving and/or parking on District property shall be at the sole discretion and risk of the driver. The District assumes no liability and will not compensate for any damages or losses of any sort to any vehicle/bicycle/motor scooter, etc. or any of their contents.

All persons operating, driving, parking, or leaving a vehicle unattended on District property are required to adhere to these provisions. All persons who enter on District and/or college property are charged with knowledge of the provisions of this regulation and are subject to the penalties for violations of such provisions.

I. DEFINITIONS

Every word or phrase relating to traffic and parking used in this regulation shall have the same meaning as defined in Division 1 of the California Vehicle Code, unless otherwise defined in this regulation.

A. **District** – South Orange County Community College District
B. **Board** – South Orange County Community College District Board of Trustees
C. **IVCPD** – Irvine Valley College Police Department
D. **SCPD** – Saddleback College Police Department
E. **ATEP** – Advanced Technology and Education Park

F. **Authorized Service Vehicle** – Any of the following:

1. A District owned, leased, or operated vehicle when operated in an authorized manner.
2. An authorized emergency vehicle as defined by the California Vehicle Code 39.
3. A state, county, city, or local government vehicle registered with a California Exempt 40 License Plate.
4. A vehicle owned, leased, or operated by a state or local educational institution to conduct authorized official business with or for the District.

G. **ALPR** – Automated license plate recognition program.
H. **ALPR Authority** – The Chiefs of Police or designees.
I. **ALPR Information** – Information or data collected through the use of an ALPR system. ALPR information is defined as personal information.
J. **ALPR System** – A searchable computerized database resulting from the operation of one or more mobile or fixed cameras combined with computer algorithms to read and convert images of registration plates and the characters they contain into computer-readable data.
K. **Vehicle Code or CVC**- Vehicle Code shall mean the Vehicle Code of the State of California.

II. ENFORCEMENT

The IVCPD and SCPD are authorized to issue traffic and parking citations and to utilize an ALPR program and a required ALPR system within the boundaries of District properties pursuant to:

A. Traffic and parking regulations established by these regulations.
B. California Vehicle Code, California Civil Code, California Education Code, and California Penal Code.
C. Applicable codified Ordinances of the County of Orange and the City of Tustin, City of Irvine Municipal Codes, and Mission Viejo Municipal Codes.

It shall be an infraction for any person to do any act forbidden or fail to perform any act required in these articles (Education Code Sections 67301, 76360, Calif. Vehicle Code, Sections 21113, 42001, 40000.1, and Calif. Penal Code Section 118).

The ultimate goal of enforcement is to gain voluntary compliance with this regulation, through fair, equitable, and consistent enforcement of the regulation itself. IVCPD and SCPD staff charged with enforcing this regulation are encouraged to gain compliance through verbal and written warnings, citations, and other tools available to encourage students, employees, and visitors to comply with these regulations.

III. GENERAL TRAFFIC REGULATIONS (WITH THE EXCEPTION OF AUTHORIZED VEHICLES)

A. No person shall drive or ride a motor-driven scooter, motorcycle, or electric bicycle ("e-bike") on any campus sidewalk or other pedestrian pathway, landscaped area, or any concrete surface not open to motor vehicles.
B. No person shall ride a skateboard, roller skates, roller blades, self-propelled scooter, Segway, hoverboard, or similar devices on District property.
C. No person shall ride or walk a horse within the confines of the campus without the written approval of the college president, with the exception of a miniature horse service animal.
D. No person shall operate a motor vehicle on any sidewalk, unpaved pathway, field or any lawn or landscaped area except emergency or maintenance vehicles, or approved vendors.
E. No person shall drive a motor vehicle into campus parking areas except by using roadways and drive lanes, and all vehicles must travel only in the direction indicated by traffic signs or markings.
F. No person shall park any vehicle of any kind containing merchandise or food offered for sale on campus without the prior written approval of the Chancellor, college president or designee.
G. No person shall sleep in, or remain overnight in, any vehicle parked on campus without the prior written approval of the Chancellor, college president or designee.
H. No person shall walk on a campus road which is paralleled by a sidewalk except when crossing the street in a marked pedestrian crosswalk. Where there is no sidewalk, pedestrians shall walk on the side of the road, in single file, and facing oncoming traffic.

IV. SPEED REGULATIONS

Unless otherwise posted, no person shall operate a motor vehicle or bicycle within the confines of any District facility at a speed greater than 15 miles per hour or as posted, except for emergency vehicles.

V. PARKING REGULATIONS

A. Painted curbs are an indication of restricted parking. The color denotes the type of parking allowed as indicated below:
    1. Red Zone (No Parking Area/Tow Away Zone) – no parking or stopping anytime whether the vehicle is attended or not.
    2. Yellow Zone (Loading/Unloading Only) – loading and unloading of vehicles and the parking of service vehicles.
    3. Green Zone – parking time is limited to the designated time, which is indicated by signs or other markings.
    4. Blue Zone – disabled persons parking area by permit only.
B. No person shall park in an area posted or marked as disabled parking unless a valid disabled persons placard, or distinguishing license plate is displayed on or in the vehicle for such parking in conjunction with a valid college parking permit.
C. No person shall park in an area posted or marked as parking by student permit only unless a valid parking permit is displayed on or in the vehicle.
D. No person shall park in an area posted or marked as staff parking unless a valid parking permit authorized for staff or guest parking is displayed on or in the vehicle.
E. No person shall park in an area posted or marked as reserved parking, except by special permit.
F. No student, faculty, or staff member shall park in an area posted or marked as visitor parking only.
G. No person shall stop, park, or leave standing any vehicle in any area posted or marked as no parking, regardless of whether or not the vehicle is attended.
H. No person shall stop, park, or leave standing any vehicle in any area where the curb is painted red, regardless of whether or not the vehicle is attended.
I. When signs or markings that restrict, prohibit, or limit parking are erected on any street, road, or area; no person shall park or leave standing any vehicle upon such a street, road, or area.
J. No person shall park or leave standing a vehicle on the interior of any campus or on any sidewalk, pathway, landscaped area, or field that is not designed for parking except by special permit.
K. No person shall park or leave standing on any campus a vehicle that blocks any traffic lane, roadway, parking lot, or vehicle.
L. Motorcycles and bicycles must be parked in designated areas.
M. All vehicles shall be parked clearly within a designated parking stall.
N. All vehicles shall be parked heading into a parking stall, with the exception of electric vehicles with rear-mounted charging ports while actively charging.
O. Meter payment is required for parking in metered spaces during the hours posted on the meters. With the exception of VIP staff permits, parking permits do not authorize parking in metered spaces.
P. No vehicle shall be left parked on campus after 11 p.m. or before 6 a.m., except by special permit.
Q. No person shall park in a designated low emitting or fuel-efficient vehicle parking space unless the vehicle is an American Council for an Energy Efficient Economy (ACEEE) approved low emitting or fuel efficient vehicle.
R. Only electric vehicles displaying a valid college parking permit and actively charging shall park in a designated Electric Vehicle Charging Station (EVCS) parking space. All other vehicles shall be subject to a citation.
S. No person shall plug in an electric vehicle unless they are in a designated electric vehicle charging parking space.
T. The District will charge the following additional usage fees to cover the costs for electricity and EVCS services to all users using the chargers that are owned and operated by the District:
    1. 35 cents per kilowatt hour at Irvine Valley College.
    2. 50 cents per kilowatt hour at Saddleback College.
    3. $3.00 per hour once the vehicle has been fully charged with a 45-minute grace period.
    4. The fees shall be posted on the IVCPD and SCPD websites.
U. Members of the public attending a Board meeting shall not be required to purchase or display a parking permit.

VI. ABANDONED VEHICLES/RECREATIONAL VEHICLES

A. No person shall abandon or leave standing any vehicle on any campus for 72 or more consecutive hours. All such vehicles may be stored under authority of Section 21113A of the California Vehicle Code. Unless prior

arrangements have been made with the IVCPD or SCPD, recreational vehicles are not allowed to park overnight, nor are persons allowed to sleep overnight in their vehicles while on District property.

B. Any person who abandons a motor vehicle on any campus will be responsible for all towing and storage charges.

VII. PARKING PERMITS

A. All parking permits will be issued under the authority of IVCPD or SCPD and may be in physical or electronic form.

B. A valid parking permit, if physically issued, must be visibly displayed within the five inch square in the lower corner of the windshield nearest the driver in any vehicle parked on campus (metered spaces excepted) at all times, 24 hours a day, seven days a week.

C. **Staff Parking Permits** for automobiles and motorcycles may be purchased from the IVCPD or SCPD by employees of the District, excluding student help and college work/study students. To park on campus, employees shall purchase Staff Parking Permits within established deadlines. These parking permits will allow parking in areas posted or marked as Staff Parking. These permits are not valid in metered areas.

D. **Student Parking Permits** will allow parking in areas posted or marked as parking by permit only. These permits are not valid in visitor or metered areas. Student Parking Permits may be purchased during the student registration process online or from the IVCPD or SCPD. Students must be registered and enrolled in one or more classes to purchase a parking permit.

E. **Motorcycle Parking Permits** will allow parking in areas posted or marked as motorcycle parking only. These permits are not valid in student, staff, visitor, or metered areas. Motorcycle Parking Permits may be purchased from the IVCPD or SCPD. Students must be registered and enrolled in one or more classes to purchase a Motorcycle Parking Permit.

F. **Guest Parking Permits** that have been duly issued and authorized by the Chiefs of Police, or designees, will be acknowledged and parking will be permitted in the designated locations identified on the temporary parking permit form. These permits are not valid in metered areas and are valid only at the college or campus where the permit was issued.

G. **Special Event Parking**

1. Written requests shall be submitted to the Chief of Police, or designee, on a semester basis, or at a minimum of two weeks in advance, stating the lot to be reserved so that all concerned persons will know, well in advance, that the lot is to be used for a special event on a particular day or night.
2. The college president or designee shall be the final authority to determine and approve events that qualify for special event parking at their college.
3. The sponsoring organization will be responsible for reimbursing the Police Department for the cost of a police officer when traffic control related to a special event is required.

H. **Medical Parking Permits** - Persons who are not disabled, but have medical problems that would require special parking, may apply for a Medical Parking Permit at the Student Health Center. Applications or renewal of these permits shall be supported by a statement from a physician indicating probable time of the medical problem. Upon the approval of such an application by the Student Health Center, the IVCPD or SCPD will issue the Medical Parking Permit. This Medical Parking Permit allows parking in areas posted or marked as Staff Parking. Application for this permit must be made each semester and a new parking permit obtained by the first day of class each semester. These permits are not valid in visitor or metered areas.

I. **Parking Permits** - Every vehicle that occupies a space designated for an automobile, motorcycle, or motor scooter must register the vehicle's license plate number and, if required, purchase a physical or electronic permit.

1. Valid Permit - A valid permit is:

   a. An unexpired parking permit issued by the IVCPD or SCPD. The permit shall be displayed on the inside of the vehicle in the five inch square in the lower corner of the windshield nearest the driver, or on the left front fork on motorcycles and motor scooters.
   b. A valid Temporary Permit issued by the IVCPD or SCPD and displayed in accordance with instructions on permit.
   c. An unexpired Student Parking Permit being used by a current student enrolled in one or more classes to whom the permit is registered.
   d. An unexpired Staff Parking Permit being used by a current employee of the District to whom the permit is registered.
   e. A permit issued by the IVCPD or SCPD utilizing the ALPR program.

J. **Invalid Permit** - A permit is invalid when:

1. The time or date has expired.
2. The vehicle has not been registered with the ALPR program.
3. Any portion is not clearly and completely legible.
4. It is being misused or fraudulently used.
5. It is altered or forged.

K. **Permit Issuance** - There is a fee for parking permits. Permits will be sold and issued by the IVCPD or SCPD or an authorized vendor approved by the IVCPD or SCPD, upon proof of enrollment with the respective college or proof of employment with the District, and the collection of the appropriate fee. All parking permits are non-transferable from person to person and are only valid when used by the person to whom the permit is registered. Students are required to purchase their parking permits from the college designated as their college of record.

L. **Additional Permits**

1. Staff - Employees may register up to one (1) additional vehicle at no additional cost. Employees that register multiple vehicles shall, at no time, park more than one of those vehicles on campus.
2. Students - Students may purchase one (1) additional permit for a motorcycle as an alternate vehicle. An additional permit may not be purchased for an automobile if a motorcycle is the primary vehicle. Students who purchase an additional permit must sign a statement agreeing that at no time will the automobile and motorcycle be simultaneously parked on campus.

M. **Unregistered Alternate Vehicle** - Permit holders may obtain a free Temporary Permit for up to two weeks for an alternate vehicle that does not have a permit. After that time, a regular permit must be obtained for a fee.

N. **Physical Permit Replacement**

1. Replacement of permits due to damage may be accomplished by turning in the parking permit remnants, where applicable, to the IVCPD or SCPD. There may be an administrative replacement fee. A full fee will be charged for replacement without remnants.
2. Stolen permits may be replaced if the theft is reported to the IVCPD or SCPD.
3. A full re-registration fee is required for replacement of a lost permit.
4. False Report of Lost/Stolen Parking Decal or Daily Parking Permit. Any person who willfully states as true any material matter, which they know to be false, and every person who testifies, declares, deposes, or certifies under penalty of perjury, is guilty of perjury (felony). It is a violation of this regulation to display a stolen, lost, counterfeit, or forged parking permit.

O. **Transfer of Electronic Permits Between Vehicles** – Permits issued through the ALPR program may be transferred between vehicles; however, only one vehicle per permit may be parked on District property at any period of time.

P. **Permit Fee Refunds** - Refunds on parking permits will be given:

1. When a class is canceled within 30 days due to insufficient enrollment and the student is not attending any other classes on campus during the semester, or if the student officially withdraws from all on-campus classes prior to the last day to drop the classes for refund eligibility, and the student Parking Decal is turned in to the IVCPD or SCPD. The permit must be received by the IVCPD or SCPD at the respective college from which the permit was purchased within the first four weeks of a regular term, or within the first two weeks of an eight-week term if the student only enrolled in an eight-week term within a regular term or summer session.
2. When a class is canceled within 30 days due to insufficient enrollment and the faculty member is not teaching any other class on campus during the semester and the Staff Parking Permit is turned in to the IVCPD or SCPD.

Q. **Volunteer Permits** – Volunteer Parking Permits that have been duly issued and authorized by the Chiefs of Police, or designees, may be issued to individuals volunteering services to Saddleback College, Irvine Valley College, or ATEP. Volunteer Parking Permits shall not be issued to individual volunteers who are employed by, engaged in business as a vendor, or enrolled as a student within the District. Volunteer Parking Permits are valid only at the campus for which the permit was issued. The valid dates of the permit shall only apply to the time period that the individual is active as a volunteer as approved by Human Resources, when required.

R. **Vendor Permits** – Vendor Parking Permits that have been duly issued and authorized by the Chiefs of Police, or designees, will be acknowledged and parking will be permitted in the designated locations identified on the parking permit. These permits are not valid in metered areas.

VIII. SCHEDULE OF PARKING FEES, FINES, AND FORFEITURE

A. The Board approves the cost of purchasing parking permits by District employees and students and the fees charged to park in metered areas.

   1. The Board last approved the student parking fees on 5/19/2014.
   2. The Board last approved the parking violations bail schedule for Citation fines on 02/27/2012 and used the standardized Orange County bail schedule for parking penalties.
   3. The Board approved the Electric Vehicle Charging Station (EVCS) fees on 5/17/2021.
   4. At its discretion, the Board may take action to waive all or a portion of the established parking fees during extraordinary circumstances for a certain period of time.

B. Any parking permit duly issued and authorized by the Chiefs of Police, or designees that is misused may result in the forfeiture of the parking permit without refund.

C. Saddleback College and Irvine Valley College shall offer a parking citation payment plan for individuals with multiple unpaid parking citations.

IX. AUTOMATED LICENSE PLATE RECOGNITION (ALPR) PROGRAM

The District uses an ALPR program to support the management of parking and for law enforcement investigations. The ALPR Authority shall ensure that the collection, use, maintenance, sharing, and dissemination of ALPR information is consistent with federal, state, and local law.

A. Authorized Uses – Operation of ALPR Systems and/or access to or use of ALPR information must only be for legitimate, official business purposes, such as:

   1. Parking Operations: For parking management, permit detection, occupancy counting, violation location, and rule enforcement. ALPR information is retained in both anonymized and raw forms for these business purposes.
   2. Campus Safety: For use in detecting a vehicle that enters a campus parking facility that is owned by or known to be used by an individual who has been issued an official campus stay-away order, court-ordered restraining order, or law enforcement bulletin; or poses a threat to one of more members of the campus community.
   3. Any other use must have prior written approval from the ALPR Authority. However, in no cases, shall ALPR be used for employee discipline unless it is a criminal offense.

B. Authorized Positions – the ALPR Authority authorizes the following roles within the college police departments to operate ALPR systems and use ALPR information:

   1. Police Technical Services Specialist
   2. Police Services Specialist
   3. Public Safety Assistant
   4. Senior Public Safety Assistant
   5. Positions required for the continued operation of normal parking enforcement, event, and occupancy counting operations
   6. College police department sworn personnel and emergency dispatchers
   7. Any additional positions must be authorized by the ALPR Authority of the respective college

C. ALPR Information Requirements – ALPR information is classified as need to know, right to know. The Chiefs of Police are responsible for ensuring systems and processes are in place for its proper collection, storage, and disposal.

   Any suspected unauthorized acquisition of ALPR information that compromises its security, confidentiality, or integrity must be immediately reported to District and college IT departments.

   1. Retention – ALPR information is to be retained for no longer than 60 days unless it is specifically necessary to do so in support of parking violation enforcement, citation appeal adjudication, scofflaw (habitual violator) enforcement, or law enforcement investigation. Storage duration limitations and data destruction will be facilitated via settings in the ALPR system and/or through the destruction of physical media, conformant with the District data security regulations.
   2. Anonymization – Anonymization means to redact personal information. ALPR information will be anonymized for legitimate business needs. ALPR information that has been anonymized is not subject to the 60-day retention limit.

3. Record Keeping – A record of access to non-anonymized ALPR information must be kept, including who received access, the date and time of access, the purpose for the access, and the license plate number or other data element(s) used to query the ALPR system.
4. Sharing of Information – ALPR information may be shared with the District and law enforcement agencies and other public agencies following applicable law and at the discretion of the ALPR Authority, in support of legitimate business needs or uses that were previously approved by the ALPR Authority.
5. Prohibition on Sale – ALPR information will not be sold under any circumstances. The provision of data hosting or towing services shall not be considered the sale, sharing, or transferring of ALPR information.
6. Audit – The Chiefs of Police shall ensure that a periodic audit is conducted to review access rules, logs, configuration, and to confirm active individual accounts. Any anomalies found during the audit shall be immediately shared with the District's Internal Auditor.

D. Privacy – These regulations govern the ALPR system operated by the District and applies to its employees, customers, and camera and data hosting affiliates.
The images stored in the ALPR system are collected from areas visible to the public where there is no reasonable expectation of privacy.
This regulation shall be publicly published on each college's enforcement website

Parking Information

Please be advised that permits are required Monday through Sunday at all times. Day parking permits can be purchased for $5.00 at any one of the parking permit machine locations: North end of Lot 10; North end of Lot 5A; East end of Lot 5B near the tennis courts and baseball field; Lot 4 in front of the campus pool; Lot 1 (from Avery Parkway entry) across from the football stadium; Lot 1A in front of the Stadium stairs; and the center of Lot 12. Timed metered parking is available in Lot 9 and Lot 7A for $1.00 per hour. For more information, including frequently asked questions about parking, visit the Saddleback College Police Department webpage.

Public Transportation

The Orange County Transportation Authority operates several bus routes to and from Saddleback College. Saddleback College students ride the OCTA bus for free! For information about how to get your FREE student pass and routes available in Orange County, visit: www.octa.net/getting-around/bus/oc-bus/fares-and-passes/overview/community-college-pass/.

Academic Regulations

Grading Policy

In Sections 55020 to 55025 of the California Code of Regulations (Title 5), the Board of Governors of the California Community Colleges mandates a grading policy for all California Community Colleges. In compliance with this mandate, the South Orange County Community College District Board of Trustees has established the following provisions under Board Policy *BP 4230* entitled "Grading Policy." *(BP 4230/AR 4230)*

Academic Record Symbols and Grade-point Average (GPA)

Evaluative Symbol	Meaning	Grade-point Value
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Passing, less than satisfactory	1
F	Failing	0
**FW	Failing Withdrawal	0
*P	Pass (at least satisfactory grade – units awarded, not counted in GPA) – see Administrative Regulation *AR 4232 – Pass/No Pass*	
*NP	No Pass (less than satisfactory, or failing grade – units not counted in GPA but count toward pace of progression)	
*CR/NCR	Assigned prior to fall 2009 and retained in academic history; not currently used	

**FW - Failing Withdrawal. The FW may be assigned when the student has ceased participating in a course after the last day to officially withdraw from the course without having achieved a final passing grade.

All prerequisite course clearances require a grade of C or higher.

Non-Evaluative Symbol

I	Incomplete. Incomplete academic work at the end of the term, as a result of an unforeseeable, emergency, and justifiable reasons at the end of the term may result in an "I" symbol being entered in the student's record. The conditions for removal of the "I" shall be stated by the instructor in a written record. This record shall contain the conditions for removal of the "I" and the grade assigned in lieu of its removal. This record must be given to the student with a copy on file with the registrar until the "I" is made up or the time limit has passed. A final grade shall be assigned when the required work has been completed and evaluated, or when the time limit for completing the work has passed. The "I" may be made up no later than one year following the end of the term in which it was assigned. The "I" symbol shall not be used in calculating units attempted nor for grade points. A student may petition for a time extension due to unusual circumstances by following the petition procedure in the Admissions and Records office.

IP	In Progress. The "IP" symbol shall be used to denote that the class extends beyond the normal end of an academic term. It indicates that work is “in progress,” but that assignment of an evaluative grade must await its completion. The appropriate evaluative symbol (grade) and unit credit shall be assigned and replace the “IP” symbol once the course is completed.
RD	Report Delayed. The “RD” symbol may be assigned by the Registrar only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. “RD” shall not be used in calculating grade point averages.
W	Withdrawal. Withdrawal from class or classes shall be authorized through 75 percent of a term. The academic record of a student who remains enrolled in a class beyond 75 percent of a term must reflect a symbol as authorized in this procedure other than a “W”. A student who withdraws prior to 20 percent of the term shall not receive the withdrawal “W” symbol on their transcript.
EW	Excused Withdrawal. The “EW” shall be allowed to students in extenuating circumstances at any time, upon petition of the student or their representative. Extenuating circumstances means cases of accidents, illnesses, or other circumstances beyond the control of the student. Upon submission of a Progress Report or Care Report, or student submission of a request for an EW to the Office of Admissions and Records, the respective college’s Student Services Division shall proactively engage with the student or their representative to identify available college support services that may mitigate the extenuating circumstances and to prevent withdrawal. If mitigation efforts are unsuccessful, the student shall receive the excused withdrawal symbol (EW) on their transcript. Students shall not be denied an EW due to a college’s inability to respond to the petition or to provide sufficient assistance to mitigate the student’s circumstances. Excused Withdrawals shall not be counted in progress probation, dismissal calculations, or calculating the maximum number of enrollments permitted for course repeatability unless the student is receiving federal financial aid in which case the EW counts as attempted but not completed courses in the Satisfactory Academic Policies (SAP) evaluation. In no case may an EW result in a student being assigned a FW grade. An EW shall be assigned if determination is made that the student withdrew from course due to unlawful discrimination or retaliation. An EW shall be assigned if a student withdraws from a course due to an extraordinary condition under Title 5, Section 58509.
MW	Military Withdrawal. The “MW” may be assigned by the Registrar when a student who is a member of the active or reserve military service and who receives orders compelling a withdrawal from courses. The student must provide verification of such orders to the Admissions and Records Office, this symbol may be assigned at any time after the period during which no notation is made for withdrawals. Military Withdrawals shall not be counted in progress probation, dismissal calculations, or calculating the maximum number of enrollment permitted for course repeatability.
SP	Satisfactory Progress (non-credit courses only). The “SP” symbol shall be used to denote that the student is making satisfactory progress in a non-credit course, but has not completed sufficient course work to be graded or demonstrated sufficient competency to be awarded a grade.
UG	Ungraded (non-credit courses only). The “UG” symbol shall be used to denote the student was enrolled in an ungraded non-credit course.

Grade Notification

Grades are available online soon after they have been submitted to the Office of Admissions and Records. Students may view their grades on "MySite". Grades are not available by mail or telephone.

Pass/No Pass (Formerly Credit/No Credit)

Students have the option to be evaluated on a Pass/No Pass (Credit/No Credit) grading basis except in courses restricted from use of these evaluative symbols and so designated in the college catalog. Students must declare the Pass/No Pass by the last day of instruction of each class by changing the Pass/No Pass option through online registration. Nursing courses may not be taken for a Pass/No Pass grade unless no other grading option is available.

Certain courses may be evaluated only on a Pass/No Pass grading basis. Such courses will be so designated in the college catalog and clearly indicated in the Schedule of Classes.

A "Pass" (P) grade indicates satisfactory ("C" or better) work in the class and units awarded with such a grade. No grade-points are assigned, however, and the grade is not used to compute the grade-point average.

A "No Pass (NP) grade indicates less than satisfactory work ("D" or "F") and with such a grade, no units are earned nor is the grade used to compute the grade-point average.

Note: In lieu of the traditional letter grade, the "P/NP" option is offered so that students may explore subject areas of interest outside of their major areas of competence or known abilities without being overly concerned by a grade or jeopardizing their grade-point average. There are a number of factors to consider before making the decision to opt for completion of a course on a Pass/No Pass basis especially for transfer students:

- Taking a course on a Pass/No Pass basis is not similar to auditing. Students are held to attendance regulations and must complete all examinations and required coursework
- Some colleges and universities specify that courses required for a major or general education be completed on a graded (A-F) basis.
- Students transferring to a UC campus who are required to complete 60 units of coursework with a grade-point average of 2.4 prior to admission must complete at least 42 of the required units on a graded (A-F) basis. Courses to remedy a University of California admissions deficiency are not acceptable if completed on a "pass" (credit) basis.
- Students planning to apply to competitive admissions programs should complete specifically required courses on a graded basis.
- No Pass (NP) (No Credit) grades are considered by the South Orange County Community College District in determination of progress probation (refer to regulations describing probation/dismissal under scholarship standards).
- Students planning to graduate from the South Orange County Community College District must establish a minimum 2.0 grade-point average of 12 units in residence.
- Standards for Dean's List or other academic honors are based on letter-graded courses.

Grade Grievance Policy

(AR 5530)

The purpose of this regulation is to provide a prompt and equitable means of resolving student grade grievances that takes into consideration the rights of both students and faculty to a fair and equitable process.

I. GENERAL PROVISIONS

A. Grade Grievance
By law, the instructor is solely responsible for the grades assigned; no instructor may be directed to change a grade except in certain narrow circumstances authorized by the California Education Code.

B. California Education Code
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. This regulation provides the procedures for challenging grades given in any course of instruction offered in the District. This regulation does not apply to the following:

1. The challenge process for prerequisites, corequisites, advisories, and limitations on enrollment;
2. Student discipline;
3. Employee discipline;
4. Challenges to established district policies and administrative regulations; and
5. Financial claims against the District.

C. Student Rights
All students have the right to participate fully in the educational process, free from discrimination and harassment.

II. DEFINITIONS

A. Mistake: An unintentional act, omission, or error by the instructor or the college.
B. Fraud: A deception deliberately practiced in order to secure unfair or unlawful gain.
C. Bad Faith: An intent to deceive or to act in a manner contrary to law and/or a grade assigned because of a student's protected characteristics contrary to Education Code and Title 5, California Code of Regulations. If, pursuant to the discrimination and harassment complaint procedure, it is determined that a grade was the result of discrimination or harassment, the grade may be changed as a remedy for the discrimination or harassment.
D. Incompetence: A lack of ability, legal qualification, or fitness to discharge a required duty.
E. Day: Unless otherwise provided, day shall mean any day on which the District administrative offices are open for business. The deadlines contained herein may be modified by mutual agreement of the parties or if the grade grievance complaint is based on alleged unlawful discrimination.
F. Grievant: A currently enrolled student or a former student who has filed a grievance. Former students shall be limited to grievances relating to course grades to the extent permitted by Education Code and the provisions herein.
G. Respondent: Any person claimed by a grievant to be responsible for the alleged grievance.
H. The College President: The President for the college or a designated representative of the College President.
I. Grievance Officer: The Vice President of Instruction or designee shall serve as the Grievance Officer. The Grievance Officer may not serve on a Grade Grievance Hearing Panel for a grievance arising in their own supervisory areas.

III. INFORMAL RESOLUTION

Any student who believes they have a grade grievance shall be assigned a Grievance Officer, shall make a reasonable effort to resolve the matter on an informal basis prior to requesting a grievance hearing, and shall attempt to resolve the problem with the faculty member with whom the student has the grievance. If informal resolution of the problem is not possible, the student may elect to pursue a formal grievance pursuant to the procedures herein.

A. Informal Resolution Process

1. The Grievant must notify the faculty member with whom they have the grievance in writing and may schedule a meeting (online, phone, or in person) in an effort to resolve the matter informally.
2. If the matter is not resolved in step "1", the Grievant must notify the Dean of the respective instructional area in writing and may schedule a meeting in an effort to resolve the matter informally. The Dean may involve or rely upon the department chair in an attempt to resolve the grievance. The Dean will notify the faculty member if this occurs.
3. If the matter is not resolved in step "2", the Grievant may elect to file a Formal Grade Grievance. In the case of a Grade Grievance at Irvine Valley College, students may elect to contact the Office of Student Rights and Grievances for support.

IV. FORMAL GRIEVANCE PROCESS

A. Written Statement of Grievance
Any student who believes they have a grade grievance shall file a written, signed Statement of Grievance form stating the basis for the grade grievance with the Grievance Officer or designee no later than 45 days after the student knew or should have known of the grade in the course. The Grievance Officer or designee shall provide a copy of the written Statement of Grievance form to the affected faculty member within five (5) days after the form has been filed. The Statement of Grievance must be filed whether or not the student has initiated efforts at informal resolution, if the student wishes the grievance to become official. The faculty member shall not engage in any conduct that may be construed as retaliation for filing the grievance. Filing a grievance is a protected activity.
B. Request for a Grievance Hearing
The student may request a grievance hearing after the written Statement of Grievance form has been filed. A request for a grievance hearing shall be filed with the Grievance Officer on a Request for Grievance Hearing

form within 30 days after filing the Statement of Grievance.
The student may withdraw their written Statement of Grievance and/or Request for a Grievance Hearing at any time. The notice of withdrawal shall be in writing and filed with the Grievance Officer. The Grievance Officer shall notify the affected faculty member in writing within five (5) days that the student has withdrawn the grievance and no further action may be taken.

C. Grievance Hearing Panel

1. The Grievance Hearing Panel shall consist of a dean appointed by the Office of Instruction (if the Grievance Officer is a dean via designation, it must be another dean), a representative appointed by the Associated Student Government, and a faculty member appointed by the Academic Senate.
   No person shall serve as a member of a Grievance Hearing Committee if that person has been personally involved in any matter giving rise to the grievance or could not act in a neutral manner.
2. Within 15 days following receipt of the Request for Grievance Hearing, the Hearing Panel shall meet to select a Chair and to determine on the basis of the Statement of Grievance whether there is sufficient grounds for a hearing. During the summer, given that many faculty and most students are not on campus, it may not be possible to convene a Hearing Panel in 15 days, but it will be scheduled no later than 15 days after the first day of fall semester instruction.
3. The determination of whether the Statement of Grievance presents sufficient grounds for a hearing shall be based on the following:
   a. The Statement of Grievance contains facts which, if true, would constitute a grievance under these procedures;
   b. The grievant is a student as defined in these procedures;
   c. The grievant is personally and directly affected by the alleged grievance;
   d. The grievance was filed in a timely manner; and
   e. The grievance is not, based on the allegations contained in the written grievance, frivolous, without foundation, or filed for the purposes of harassment. In determining whether a grievance is frivolous, without foundation, or filed for purposes of harassment, the panel shall not at this phase, consider facts outside the grievance.
4. If the Grievance Hearing Panel determines that the written Statement of Grievance does not meet each of the aforementioned requirements, within five (5) days of the Hearing Panel decision, the Chair shall notify the student in writing that the Request for a Grievance Hearing has been rejected. The notice shall contain the specific reasons for the rejection of a hearing and the procedures for appeal (See Section V.A.5 herein).
5. If the Grievance Hearing Panel determines that the written Statement of Grievance meets each of the aforementioned requirements, the Chair shall schedule a grievance hearing no later than 45 days from the decision of the Hearing Panel. All parties to the grievance shall be notified in writing by the Chair of the date, time, and location of the grievance hearing 10 days prior to the grievance hearing. During the summer, given that many faculty and most students are not on campus, it may not be possible to convene the grievance hearing within 45 days. In that case, it will be scheduled no later than 30 days after the first day of fall semester instruction, or 45 days after the first panel, whichever comes later.

D. Hearing Procedures

1. The decision of the Grievance Hearing Panel Chair shall be final on all matters relating to the conduct of the hearing unless there is a vote of a majority of the other members of the panel to the contrary.
2. Each party to the grievance may call witnesses and introduce oral and written testimony relevant to the issues alleged in the grievance. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted. The parties shall exchange exhibits and lists of witnesses five (5) days prior to the hearing.
3. Unless the Grievance Hearing Panel determines to proceed otherwise, each party to the grievance shall be permitted to make an opening statement. Thereafter, the grievant shall make the first presentation, followed by the respondent. The grievant may present rebuttal evidence after the respondent's evidence. The burden shall be on the grievant to prove by a preponderance of the evidence that the facts alleged are true and that a grievance has been established as specified above.
4. Each party to the grievance may represent themselves or may be represented by a person of their choice. A party shall not be represented by an attorney unless notification is presented to the Chair 10 days prior to the date of the hearing. If one party is permitted to be represented by an attorney, any other party shall have the right to be represented by an attorney. The Chair of the Hearing Panel may continue the hearing in order to accommodate counsel upon a showing of good cause. The Hearing Panel may also

request legal assistance through the College President. Any legal adviser provided to the Hearing Panel sits in an advisory capacity but shall not be a member of the Panel nor vote with it.

5. The hearing shall be closed and confidential. Witnesses shall not be present at the hearing when not testifying.
6. The hearing shall be recorded by the Hearing Panel Chair by recording or stenographic recording and this document shall be the only recording made of the proceedings. No witness who refused to be recorded may be permitted to give testimony. At the onset of the hearing, the Chair shall ask each person present to identify themselves by name and thereafter shall ask witnesses to identify themselves by name. The recording shall remain in the custody of the college at all times, unless released to a professional transcribing service. Any party may request a copy of the recording at their own expense.
7. All testimony shall be taken under oath administered by the Chair. Written statements of witnesses under penalty of perjury shall not be used unless the witness is unavailable to testify. A witness who refuses to be tape recorded shall be considered to be unavailable.

E. Hearing Panel Decision

Within 15 days following the close of the hearing, the Grievance Hearing Panel shall prepare a written decision, which shall include specific factual findings regarding the grievance and the specific conclusions regarding whether a grievance has been established as defined above. Where appropriate, the decision shall articulate the factual basis for any credibility determinations necessary to the panel's decision. The Hearing Panel decision shall also include a specific statement regarding the relief to be afforded the grievant, if any. The Hearing Panel decision shall be based only on the record of the hearing, and not on matters outside the record. The record consists of the written Statement of Grievance, any written response by the respondent, and the oral and written evidence produced at the hearing.

V. APPEAL PROCESS

A. Written Statement of Appeal

1. Within 10 days following the Grievance Hearing Panel decision regarding the merits of the grievance, any party to the grievance may file a written Statement of Appeal with the College President. The written Statement of Appeal shall state the specific basis for the appeal and shall be sent to all parties.
2. All parties may submit a written response to the appeal to the College President within 10 days of the filing of the written Statement of Appeal.
3. The College President shall review the record of the hearing and the documents submitted in connection with the appeal but shall not consider any matters outside the formal record. The College President may decide to sustain, reverse, or modify the decision of the Grievance Hearing Panel. The College President's decision shall be in writing and shall include a statement of reasons for the decision. The College President's decision shall be final.
4. The decision on appeal shall be reached within 20 days after receipt of the appeal documents. Copies of the College President's decision shall be sent to all parties.
5. Within 10 days following the Grievance Panel's decision regarding whether the Statement of Grievance warrants a formal Grievance Hearing, any party to the grievance may file a written Statement of Appeal with the College President. The College President shall review the Statement of Grievance and the Request for a Grievance Hearing in accordance with the requirements for a grievance provided herein but shall not consider any other matters. The College President's decision whether to grant a grievance hearing shall be final and not subject to further appeal. The filing of an appeal pursuant to this provision shall stay all proceedings on the underlying grievance until a decision is reached by the College President. If the College President's decision is that the matter shall proceed to a hearing the timelines shall be extended by the period of time the matter was under consideration with the College President.

Course Repeatability and Repetition

(Also see Registration and Announcement of Courses sections of this catalog)

State regulations (Title 5, sections 55040-55045) restrict the number of times a student may enroll in a course within a community college district. The number of times a student may enroll in a course is based on whether the course is designated "repeatable" or "non-repeatable." Any student registering to repeat a course not identified as repeatable or repeating a course more often than permitted may be dropped from the course. *(BP 4225)*

Non-Repeatable Courses

Most credit courses are designated as "non-repeatable" in accordance with Title 5 thereby limiting students to a single enrollment if the student receives a satisfactory grade (A, B, C, P, or CR) or an Incomplete. Under current repetition rules, students are permitted to enroll in a non-repeatable course up to a maximum of two additional times to replace a substandard grade (D, F, NP, or NC) or if they withdrew from the course and received a W on their transcript. Students may not exceed three enrollments in a non-repeatable course. An enrollment is defined by the assignment of a passing or a substandard grade; Incompletes and Withdrawals are included in this limitation. Non-repeatable courses are designated "NR" in their course description within this catalog.

This enrollment limitation for non-repeatable courses is enforced within the South Orange County Community College District, which includes Saddleback and Irvine Valley colleges. Additional enrollments beyond the maximum of three may be permitted on a very limited basis through the formal petition process at the Office of Admissions and Records (see Repetition for Special Circumstances).

Repeatable Courses

As of January 2013, only three types of courses are repeatable (Title 5 § 55040(b)(1), 55041):

1. Courses for which additional enrollments are necessary to meet the major requirement of California State University (CSU) or University of California (UC) for completion of a bachelor's degree. Such courses may allow for additional enrollments to allow the student to meet the lower division component of these major requirements. The number of maximum enrollments may not exceed four and might be fewer if the transfer institution requires fewer than four enrollments or if the course is related in content to other courses offered at the college.
2. Intercollegiate athletics. These courses include those in which student athletes are enrolled to participate in an organized competitive sport sponsored by the district or a conditioning course which supports the organized competitive sport. Student athletes are limited to no more than 350 contact hours within a fiscal year (July 1-June 30); they are permitted a maximum of 175 hours in courses dedicated to the sport and 175 hours in courses focusing on skill development and conditioning.
3. Intercollegiate academic or vocational competition. Such courses must be designed specifically for students to participate in non-athletic competitive events, the competition must be between students from different colleges, the competition must be sanctioned by a formal collegiate or industry governing body, and participation in the event must be directly related to the course content. Students enrolled in these courses are required to participate in the academic or vocational competition.

Those courses that allow for additional enrollments beyond the first successful completion are designated by an "R" code followed by a number indicating the number of enrollments permitted. For example, a course with the designation R-E-3 allows for a maximum of four enrollments (the original enrollment plus an additional three) regardless of whether the student received a grade (A, B, C, D, F, P(C), NP (NC)) or a W. An explanation of the repeat codes is contained within the Announcement of Courses section of this catalog.

Repetition to Alleviate Previously Earned Substandard Grade

To alleviate a substandard grade in calculating the GPA from a non-repeatable course, the student should re-enroll in the same course at Saddleback College or take an equivalent course at Irvine Valley College. The student must ensure that the IVC course taken is deemed equivalent prior to enrolling in it by consulting with a counselor at Saddleback College. Because courses are sometimes discontinued, students should re-enroll in the same course in the following term after receiving the substandard grade. If the course is no longer offered, the ability to re-enroll and suppress the substandard grade is lost.

A student may request to have the substandard grade disregarded in the computation of their GPA by submitting a Request for Transcript Repeat Notation to the Office of Admissions and Records. The form is available to download from the Admissions and Records website at www.saddleback.edu/admissions/forms.html.

The previously recorded course and grade will remain on the student's transcript and the transcript will show which course was excluded for purposes of grade point calculation. Only the most recent course grade earned will be used in calculating the student's grade point average. A maximum of two previous grades per course may be disregarded in computing the student's grade point average. All previous work will remain on the student's transcript to ensure a true and complete academic history.

Repetition for Special Circumstances

Significant Lapse of Time
Students may be considered for an additional enrollment after they have successfully completed a course if:

1. There has been a significant lapse of time (not less than 36 months) AND
2. The student can provide documentation that
    - The SOCCC District has established a recency prerequisite for a course or program OR
    - Another institution of higher education to which the student seeks to transfer has established a recency requirement which the student will not be able to satisfy without repeating the course in question.

Students wishing to request an additional enrollment due to a significant lapse of time must complete an Academic Appeal Form. The form may be downloaded at www.saddleback.edu/admissions/forms.html. The form must be filed at least two weeks prior to the start of the semester in which the student seeks the course repetition.

Extenuating Circumstances
Students may petition to enroll in a course one additional time due to extenuating circumstances. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the student's control resulting in either a passing or a substandard grade; students receiving an I, IP, or W cannot re-enroll in a course as a result of extenuating circumstances. Students may only be approved for this reason one time per course. Students may file an Academic Appeal Form for course repetition in the Office of Admissions and Records. The form may be downloaded at www.saddleback.edu/admissions/forms.html and must be filed two weeks prior to the semester in which the student seeks the course repetition.

Legally Mandated Training
Students may repeat courses to meet legally mandated training requirements if the course is required by statute or regulation as a condition of continued paid or volunteer employment (§55000(k)); they may be required to certify or document that such re-enrollment is necessary. A student needing to repeat a course required for employment/ certification (e.g. CPR class) must provide documentation of the mandate to Admissions and Records and petition for enrollment.

Significant Change in Industry or Licensure Standards
Students may be permitted to repeat a previously completed course if there has been a significant change in industry or licensure standards since the student last took the course such that the student could not obtain or maintain employment or license without retaking the course. Students may be required to provide a letter from their current or prospective employer stating the course must be taken again for employment as well as provide documentation of the significant change in industry standard since the course was last completed. Students should contact the Office of Admissions and Records for additional information.

Special Classes for Students with Disabilities
Pursuant to state and federal nondiscrimination laws, repetition of special classes designated to provide accommodations to a student's educational limitations may be permitted for any of the following reasons:

1. The student's continuing success in general and/or special classes is dependent upon additional enrollments in a specific special class,
2. Additional enrollments in a specific special class are essential to completing the student's preparation for enrollment into other special or general courses, OR
3. The student's educational contract includes a specific goal (other than completion of the special class in question) and additional enrollments will help further that goal.

Active Participatory Courses
Active participatory courses in physical education, visual arts, or performing arts (including - but not limited to - Dance, Theatre, Kinesiology, Visual Arts, and most Music courses) that are related in content to one or more other courses have additional restrictions on repeatability and repetition. Courses are defined as being related in content when they have "similar primary educational activities in which skill levels or variations are separated into distinct courses with different student learning outcomes for each level or variation" (§55000). Students are limited to four semester enrollments in courses that are related in content; this limitation applies even if an active participatory course is designated as repeatable. Students may repeat active participatory courses in which a substandard grade or W was received, however all enrollments count toward the four enrollment maximum.

Scholarship Standards

Dean's List

Students who achieve a grade point average of 3.25 or higher in 12 units* or 3.5 in at least 6 units of letter-graded courses in any one semester will be eligible for the honor of being placed on the Dean's List. Continued excellence in scholarship may result in graduation with honors.

*For DSPS students full-time equivalency may differ, please contact the DSPS office at (949) 582-4885.

Academic Honors at Graduation

In recognition of academic excellence for associate degree programs, students are awarded graduation honors as follows:

Summa Cum Laude:	4.0 GPA
Magna Cum Laude:	3.75 to 3.99 GPA
Cum Laude:	3.50 to 3.74 GPA

Graduation honors are calculated using all academic work completed. This includes all work completed at Saddleback College and all transcripts used from other accredited institutions. In addition, in order to qualify, students must have completed 24 semester units of letter-graded work at Saddleback College.

Graduation honors will be indicated in the commencement program and on the student's diploma and transcript. However, for candidates (those students with final grades pending), the commencement program will note "candidate," as their degrees and honors have not yet been confirmed. When final grades are determined, a recalculation of grades will be completed and, if the student qualifies, the graduation honor will be noted on the diploma.

Probation and Dismissal

Probation, Dismissal, and Readmission

(BP 4250)

I. STANDARDS FOR PROBATION
Students shall be placed on academic or progress probation according to the following standards:

A. Academic probation. A student who has attempted at least 12 semester units within the District as shown by the official academic record shall be placed on academic probation if the student has earned a cumulative grade point average below 2.0 in all units which were graded on the basis of the grading scale described in Administrative Regulation 4230 – *Grade Point Average and Academic Record Symbols*.
B. Progress probation. A student who has enrolled in a total of at least 12 semester units within the District as shown by the official academic record shall be placed on progress probation when the cumulative percentage of all units in which a student has enrolled and for which entries of "W", "I," "NC," and "NP" are recorded reaches or exceeds fifty percent (50%). The "MW" and "EW" grade shall not be used in the calculation of progress probation.

II. REMOVAL FROM PROBATION
Students shall be removed from probation according to the following provisions:

A. A student on academic probation for a grade point deficiency shall be removed from probation when the student's cumulative grade point average is 2.0 or higher.
B. A student on progress probation because of an excess of units for which entries of "W", "I" and "NP" are recorded shall be removed from probation when the cumulative percentage of units in this category drops below fifty percent (50%).
C. A student may request removal from probation or appeal probation placement by following the petition procedure provided by the Admissions and Records office.

III. STANDARDS FOR DISMISSAL
For purpose of this section, semesters shall be considered consecutive on the basis of the student's enrollment so long as the break in the student's enrollment does not exceed one full primary term.
Students shall be subject to dismissal by the following standards:

A. A student who is on academic probation shall be subject to dismissal if the student earned a cumulative grade point average of less than 2.0 in all District units attempted in each of three consecutive semesters, which were graded on the basis of the grading scale described in Administrative Regulation 4230 – *Grade Point Average and Academic Record Symbols*.
B. A student who has been placed on progress probation shall be subject to dismissal if the percentage of District units in which the student has been enrolled for which entries of "W", "I," and "NP" are recorded in at least three consecutive semesters reaches or exceeds fifty percent (50%).
C. A student may appeal dismissal by following the petition procedure provided by the Admissions and Records office.

IV. READMISSION AFTER DISMISSAL
Students who have been dismissed from the South Orange County Community College District may apply for readmission after one semester of non-attendance by following the petition procedure provided by the Admissions and Records office. Students who are readmitted and fail to maintain a grade point average of 2.0 or higher during the semester following readmission will be subject to dismissal.

V. NOTIFICATION OF PROBATION AND DISMISSAL
Every reasonable effort will be made to notify a student of placement on probation, dismissal, removal from probation, or reinstatement after dismissal, at or near the beginning of the semester in which it will take effect but, in any case, no later than the start of the fall semester.

A. Counseling and other support services will be offered to any student on probation to help the student overcome any academic difficulties.
B. Probation and dismissal policies and procedures shall be published in the college catalogs.

Academic Renewal

(BP 4240 / AR 4240)

Under certain circumstances, students may elect to have previously completed courses disregarded in the computation of their cumulative grade point average (GPA). This process is known as academic renewal (defined in accordance with Title 5, California Code of Regulations, Section 55046).

In order to qualify for Academic Renewal, students must complete the following requirements:

1. A petition must be filed in the Office of Admissions and Records. The Registrar or Dean of Enrollment Services is the designated authority for approval of academic renewal.
2. Previous substandard work, as indicated by the student on the Academic Renewal petition, will be disregarded within the student's cumulative GPA. Substandard grades are defined as "D," "F," "FW," or "NP."
3. No more than 30 units of coursework can be considered for academic renewal.
4. At least two academic terms must have elapsed since the sub-standard work to be disregarded was completed; summer counts only if a grade notation exists.
5. The student must have completed one of the following: 18 units with a 2.00 grade point average (GPA) or higher, 15 units with a 2.25 GPA or higher, or 12 units with a 2.5 GPA or higher in sessions subsequent to the substandard work. No units may be excluded for coursework that have previously been used to fulfill degree, certificate, or transfer certification requirements. Work from other accredited colleges will be considered for calculating their GPA.
6. When coursework is disregarded in the computation of the cumulative GPA, the student's academic record will be annotated; all coursework remains on record, ensuring a true and complete academic history. Academic renewal actions are irreversible.

Academic renewal by the District does not guarantee that other institutions will approve such action. This determination will be made by the respective transfer institutions.

Academic renewal procedures may not conflict with the District's obligation to retain and destroy records or with the instructor's ability to determine a student's final grade.

Suspension of VA Benefits Due to Probation

Saddleback College is responsible for enforcing the Department of Veterans Affairs' (DVA) standards of academic progress. These standards require the college Veterans Office to suspend, for one semester, the VA education benefits of students who have been on academic or lack-of-progress probation for two consecutive semesters. The college Veterans Office is also required to notify DVA of this suspension.

VA Benefits Reinstatement: In addition to not receiving VA education benefits for one semester, students must have a written evaluation completed by an academic counselor. The evaluation must certify that the student has a reasonable chance of academic success in future semesters. Students who change their academic programs must satisfy more stringent requirements, including submission to VA of a request for reinstatement of benefits.

Once VA benefits are reinstated, students are required to maintain a 2.0 semester GPA every semester until they achieve a 2.0 cumulative GPA. Failure to do so will result in immediate suspension of VA education benefits for another semester. Please call the college Veterans Office at (949) 582-4871 for further details.

Load Limit and Final Examinations

Load Limit

Students are allowed to carry a maximum of 19 units per term, not including work experience or independent study. In order for a student to be considered for additional units beyond 19, he/she must have a cumulative 3.0 grade point average. Overload Petitions must be completed and returned to the Counseling Office.

Saddleback College does not specify a minimum load except when the student must meet certain eligibility requirements such as financial aid, student employment, Social Security certification, Veteran's enrollment certification, insurance eligibility or athletic eligibility. Eligibility for Veteran's benefits requires enrollment in the required units for each week of the certification period. The load requirement is as follows:

Full-time	12 or more units
Three-fourth time	9 - 11.5 units
One-half time	6 - 8.5 units

An average of 15-16 units each semester is necessary for a student to graduate within a two-year period.

Remedial Coursework Limit

No more than 30 semester units of credit may be awarded to a student for remedial coursework. Courses in this category include English, reading, and writing courses one level below transfer-level composition (ENG 1A) and mathematics courses below intermediate algebra (MATH 253).

The following students are exempted from this limitation:

1. Students who are enrolled in one or more courses of English as a Second Language.
2. Students identified as having a learning disability.

The college may grant a waiver to the 30-unit remedial course limitation to any student who demonstrates significant and measurable progress toward the development of skills needed for successful enrollment in college-level courses. Waivers are given only for specified periods of time or specified numbers of units.

Students who have exhausted the unit limitation will be referred to appropriate noncredit adult-education programs.

Final Examinations

Final examinations are held in all subjects according to the schedule that is published by the Office of the Vice President for Instruction each semester. No student will be excused from any final examination without approval from the instructor teaching the course and the division dean.

Attendance

(BP 5070 / AR 5070)

A. Students are expected to attend classes regularly. Failure to attend may be taken into consideration by instructors when assigning grades.
B. Students who are not in attendance at the first class meeting are considered "no-shows" and the faculty shall drop such persons. If a student notifies an instructor that they will miss the first day of instruction, then the instructor may choose to not drop them from the course.
C. Students who withdraw from classes are responsible for initiating the drop process by appropriate deadlines.
D. Instructors must clear all class rosters of inactive enrollment (drop students) as of each census deadline. Inactive enrollment is defined as:

    1. No Shows or
    2. The student is no longer participating, except if there are extenuating circumstances. No longer participating includes, but is not limited to excessive unexcused absences but must be related to nonattendance. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the control of the student.

E. Instructors may drop a student when the student is absent for a total of two instructional hours per credit unit or after a six cumulative instructional hours.
F. The "drop date" shall be the end of the business day immediately preceding the census day.
G. In no case should students presume they have been officially dropped.
H. Students who have been dropped from a class as permitted above may be reinstated only at the discretion of the instructor.
I. Late Registration — To register for a class after the add deadline, which is the day before census, a student must submit to the Admissions and Records Office a Late Add Petition, signed by the area dean and the instructor. The petition must set forth the extenuating circumstances that justify allowing the student to register for the class after the add deadline. The decision to either grant or deny the petition shall be made by the Dean of Enrollment Services. Apportionment shall only be claimed for students that were in attendance prior to census.
J. As required by Financial Aid and Veterans reporting standards, instructors are required to enter the last date of attendance for all students who receive an "F" or "NP" (No Pass) grade. The last date of attendance is the actual date that a student actively participated in the class activities that the instructor can document in case of an audit.

Faculty Code of Ethics and Professional Standards

The following Ethical Principle and Standard of Conduct relating to the professional responsibility of faculty for students is endorsed by the Saddleback College Academic Senate. Conduct that departs from these principles is viewed by faculty as unacceptable because it is inconsistent with the mission of the college, and with the highest standards of professional conduct which we, as a faculty, are committed to maintain.

Ethical Principle

"As teachers, professors encourage the free pursuit of learning in their students. They hold before them the best scholarly and ethical standards of their disciplines. They demonstrate respect for students as individuals, and adhere to their proper roles as intellectual guides and counselors. Professors make every reasonable effort to foster honest academic conduct and to ensure that their evaluations of students reflect each student's true merit. They respect the confidential nature of the relationship between professor and student. They avoid any exploitation, harassment, or discriminatory treatment of students. They acknowledge significant academic or scholarly assistance from them. They protect their academic freedom." (American Association of University Professors Statement, 1990)

Standards of Conduct

- Faculty shall treat all students with fairness and respect.
- Faculty shall encourage the free exchange of ideas between themselves and students.
- Faculty shall conscientiously strive to be fair and balanced in their evaluation of student work.
- Faculty should not exploit their students for personal gain.
- Faculty shall be fair and objective when providing references for students.
- Faculty shall not disclose information about students obtained in the course of professional service unless disclosure serves a compelling professional purpose or is required by law.

- Faculty-student personal relationships are unethical when they hinder any student's academic progress or create a situation in which any student is either favored or negatively impacted on grounds other than academic performance.
- Because a teacher-student relationship is inherently unequal, a member of the faculty should not enter into a sexual relationship with his/her student while engaged in a professional relationship.
- Faculty have the obligation to meet classes as scheduled, to maintain office hours, and to provide reasonable means for student access to course information.

Credit for Prior Learning

Overview of Credit for Prior Learning

(BP 4235 / AR 4235)

Credit for prior learning (CPL) is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom.

Students may receive CPL in place of a comparable course or graduation requirement, including elective units, listed in the college catalog in which the student holds catalog rights, through the following approved alternative methods for awarding credit:

A. Achievement of a satisfactory score on an approved standardized examination
    1. Advanced Placement (AP) examination
    2. International Baccalaureate (IB) examination
    3. College Level Examination Program (CLEP)
    4. Defense Language Proficiency Test (DLPT)
B. Evaluation of military service/training
C. Evaluation of industry recognized training/credential documentation
D. Evaluation of student-created portfolios
E. Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course listed in the current college catalog

Student Eligibility for CPL

In order to submit a CPL petition, a student must:

A. Be in good standing at the college in which the CPL petition is being submitted
B. Have previously earned credit, completed a noncredit course or be currently enrolled within the District
C. Have a counselor-approved education plan on file, if CPL will be used for a degree or transfer
D. Identify a comparable course or graduation requirement, including elective units, listed in the appropriate college catalog
E. For Credit by Exam: the student must also not have received credit for a more advanced course in the same subject (may be waived by department)
F. For Credit by Exam – High School Articulation: the student is not required to be currently registered
G. For Credit for Achievement on a Standardized Test: the student must also not have received college credit for a similar course prior to completion of the standardized examination(s).
H. Meet with a Counselor to start the CPL process!

Limitations on CPL Credits Earned

A. CPL units may not be used to meet eligibility requirements for programs including, but not limited to: Selective Service deferment; Veterans or Social Security benefits; EOPS; CalWORKs; Financial Aid; International Student Program; Athletics; and Promise programs.
B. Credits acquired through CPL may not be accepted at transfer institutions. Students seeking to earn credit for college transfer purposes will need to consult the transfer institution regarding its policy.

CPL Grading Policy

A. Grades are not provided for standardized examinations
B. Grading options will be determined by discipline faculty
C. When grading is available:
    1. Grading shall be according to the regular grading system in accordance with *BP/AR 4230 Grade Point Average and Academic Record Symbols*
    2. Students shall be offered a "Pass/No Pass" option, if that option is ordinarily available for the course

3. Students will be given an option to accept, decline, or appeal the grade within five working days of receiving the grade. For appeals, students will use the college's grievance process
4. An automatic decline of the grade will be processed for students who obtain an F or NP grade and the grade will not be posted

Transcription of CPL

The student's academic record shall be clearly annotated to reflect that credit was earned by the type of assessment or examination of prior learning.

For military service/training, student-created portfolio, and industry certification CPL, the transcription will include course prefix, course number, course title, course units, course grade, and term earned.

Advanced Placement (AP) Exam

Saddleback College will grant credit for each Advanced Placement (AP) Examination satisfactorily passed with a score of 3, 4, or 5. Students must meet with a Saddleback College counselor to review AP exam scores and initiate the Credit for Prior Learning (CPL) petition. For AP credit to be awarded, an official score report must be on file in the Office of Admissions and Records.

AP credit granted by Saddleback College for either elective or specific course credit does not necessarily transfer as such to other colleges or universities. Students planning to use AP credit toward transfer requirements will need to consult with appropriate campus representatives of the transfer institution for specific information regarding its policies and procedures.

All California State University (CSU) and University of California (UC) campuses will accept the minimum units as stipulated toward Cal-GETC certification based on the grid below, regardless of when the exam was taken. There is no limit on the number of AP exams that can be applied towards Cal-GETC certification. The campus to which the student is transferring determines the applicability of the examination to other campus specific graduation requirements including the major. Where more than one area of Cal-GETC is possible (i.e. 3B or 4) the AP exam may be used in either area (either Cal-GETC Area 3B or Cal-GETC Area 4) regardless of where the certifying CCC's comparable course is located.

Students who earn credit from an AP exam should not take a comparable college course because transfer credit will not be granted for both. For more transfer Advanced Placement information, please visit:

UC AP: https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/
CSU AP: https://calstate.policystat.com/policy/14685671/latest/

College Credit for AP Exams

Credit will be given for AP exams passed with a score of 3 unless otherwise noted.

**AP exams in Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism will be given 3 semester or 4 quarter units for Areas 5A and 5C for Cal-GETC certification. Students who complete these exams will be required to complete at least 4 semester or 5 quarter units in Area 5B or 3 semester or 4 quarter units in Area 5B plus an additional course in either Areas 5A or 5B to satisfy the minimum required units for Cal-GETC certification Area 5.*

AP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT AWARDED FOR GE, MAJOR AND/OR ELECTIVE UNITS	CAL-GETC CERTIFICATION AREA/ SEMESTER UNITS	UC ADMISSIONS SEMESTER UNITS	CSU MINIMUM ADMISSION SEMESTER UNITS
African American Studies	N/A	N/A	2.6	3
Art History	Arts/Humanities - 3	Area 3A or 3B 3	5.3	6

AP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT AWARDED FOR GE, MAJOR AND/OR ELECTIVE UNITS	CAL-GETC CERTIFICATION AREA/ SEMESTER UNITS	UC ADMISSIONS SEMESTER UNITS	CSU MINIMUM ADMISSION SEMESTER UNITS
Biology	Natural Sciences - 4 Credit for BIOL C1000	Area 5B and 5C (lab) 4	5.3	6
Chemistry	Natural Sciences - 4 Credit for CHEM 3	Area 5A and 5C (lab) 4	5.3	6
Chinese - Language & Culture	Arts/Humanities - 3 Credit for CHI 1 and 2 with score of 3 or 4; placement in CHI 3. Credit for CHI 3 with a score of 5; placement in CHI 4.	Area 3B 3	5.3	6
Computer Science - A Exam	Elective - 3	N/A	1.3 (prior to Fall 2018) 5.3 (Fall 2018 and later) (2.6 maximum credit for both Computer Science A and Computer Science AB exams)	3 (only one CS exam may be applied)
Computer Science - Principles	Language/Rationality 1C-3	N/A	5.3	6 (only one CS exam may be applied)
Economics - Macro Exam	Social/Behavioral Sciences - 3 Credit for ECON C2002 with a score of 5	Area 4 3	2.6	3
Economics - Micro Exam	Social/Behavioral Sciences - 3 Credit for ECON C2001 with a score of 5	Area 4 3	2.6	3
English - Language and Composition	Language/Rationality 1A - 3 Credit for ENGL C1000; placement in ENGL C1001	Area 1A 3	5.3 (max credit for both English Lang/Comp & Lit/ Comp)	6

AP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT AWARDED FOR GE, MAJOR AND/OR ELECTIVE UNITS	CAL-GETC CERTIFICATION AREA/ SEMESTER UNITS	UC ADMISSIONS SEMESTER UNITS	CSU MINIMUM ADMISSION SEMESTER UNITS
English - Literature and Composition	Language/Rationality 1A - 3 Credit for ENGL C1000; placement in ENGL C1001	Area 1A or 3B 3	5.3 (max credit for both English Lang/Comp & Lit/ Comp)	6
Environmental Science	Natural Sciences - 4	Area 5A and 5C (lab) 3*	2.6	4
French - Language & Culture	Arts/Humanities - 3 Credit for FR 1 and 2 with score of 3 or 4; placement in FR 3. Credit for FR 3 with a score of 5; placement in FR 4.	Area 3B 3	5.3	6
German - Language & Culture	Arts/Humanities - 3 Credit for GER 1 and 2 with score of 3 or 4; placement in GER 3. Credit for GER 3 with a score of 5; placement in GER 4.	Area 3B 3	5.3	6
Government and Politics - United States	Social/Behavioral Sciences - 3	Area 4 3	2.6	3
Government and Politics - Comparative	Social/Behavioral Sciences - 3 Credit for PS 12 with a score of 5	Area 4 3	2.6	3
History - United States	Social/Behavioral Sciences or Arts/Humanities - 3 Credit for HIST 22	Area 3B or 4 3	5.3	6
History - European	Social/Behavioral Sciences or Arts/Humanities - 3	Area 3B or 4 3	5.3	6
History - World: Modern	Social/Behavioral Sciences or Arts/Humanities - 3 Credit for HIST 5	Area 3B or 4 3	5.3	3
Human Geography	Social/Behavioral Sciences - 3	Area 4 3	2.6	3
Italian - Language & Culture	Arts/Humanities - 3 Credit for ITA 1 and 2 with score of 3 or 4.	Area 3B 3	5.3	6

AP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT AWARDED FOR GE, MAJOR AND/OR ELECTIVE UNITS	CAL-GETC CERTIFICATION AREA/ SEMESTER UNITS	UC ADMISSIONS SEMESTER UNITS	CSU MINIMUM ADMISSION SEMESTER UNITS
Japanese - Language & Culture	Arts/Humanities - 3 Credit for JA 1 and 2 with score of 3 or 4; placement in JA 3. Credit for JA 3 with a score of 5; placement in JA 4.	Area 3B 3	5.3	6
Mathematics - Calculus AB Exam	Language/Rationality 1C - 3 Credit for MATH 2 with a score of 3; placement in MATH C2210 / MATH C2210H. Credit for MATH C2210 with a score of 4 or 5; placement in MATH C2220.	Area 2 3	2.6 5.3 max if more than one AP exam in Calculus	3 (only one Calculus AP exam applied toward degree)
Mathematics - Calculus BC Exam	Language/Rationality 1C - 3 Credit for MATH C2210 with a score of 3; placement in MATH C2220. Credit for MATH C2210 and MATH C2220 with a score of 4 or 5; placement in MATH 3C.	Area 2 3	2.6 5.3 max if more than one AP exam in Calculus	6 (only one Calculus AP exam applied toward degree)
Mathematics - Calculus BC/ AB Subscore	Language/Rationality 1C - 3	Area 2 3	2.6 5.3 max if more than one AP exam in Calculus	3 (only one Calculus AP exam applied toward degree)
Music Theory	Arts/Humanities - 3	N/A	5.3	6 (only applies if taken before Fall '09)
Physics 1	Natural Sciences - 4 Credit for PHYS 2A	Area 5A and 5C (lab) 4	5.3 5.3 max if more than one AP exam in Physics	4 (If more than one AP exam in Physics, only 6 units max)
Physics 2	Natural Sciences - 4	Area 5A and 5C (lab) 4	5.3 5.3 max if more than one AP exam in Physics	4 (If more than one AP exam in Physics, only 6 units max)

AP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT AWARDED FOR GE, MAJOR AND/OR ELECTIVE UNITS	CAL-GETC CERTIFICATION AREA/ SEMESTER UNITS	UC ADMISSIONS SEMESTER UNITS	CSU MINIMUM ADMISSION SEMESTER UNITS
Physics C - Mechanics	Natural Sciences - 4	Area 5A and 5C (lab) 3*	2.6 5.3 max if more than one AP exam in Physics	4 (If more than one AP exam in Physics, only 6 units max)
Physics C - Electricity/ Magnetism	Natural Sciences - 4	Area 5A and 5C (lab) 3*	2.6 5.3 max if more than one AP exam in Physics	4 (If more than one AP exam in Physics, only 6 units max)
Precalculus	Language/Rationality 1C - 3 Credit for MATH 2	N/A	N/A	3
Psychology	Social/Behavioral Sciences - 3 Credit for PSYC C1000	Area 4 3	2.6	3
Seminar	Elective - 3	N/A	N/A	3
Spanish - Language and Culture	Arts/Humanities - 3 Credit for SPAN 1 and 2 with score of 3 or 4; placement in SPAN 3. Credit for SPAN 3 with a score of 5; placement in SPAN 4.	Area 3B 3	5.3	6
Spanish - Literature and Culture	Arts/Humanities - 3 Credit for SPAN 1 and 2 with score of 3 or 4; placement in SPAN 3. Credit for SPAN 3 with a score of 5; placement in SPAN 4.	Areas 3B 3	5.3	6
Statistics	Language/Rationality 1C - 3 Credit for STAT C1000	Area 2 3	2.6	3
Studio Art 2D Design 3D Design Drawing	Elective - 3 Elective - 3 Elective - 3	N/A	5.3 (Max credit if more than one AP exam in Studio Art)	3

The Standardized Examination information was prepared based upon data available at the time of publication and is subject to change.

Note: In some cases, credit towards specific major requirements is also awarded by the UC/CSU campuses. Refer to the catalog of the campus of intended transfer for further information.

College-Level Examination Program (CLEP)

Saddleback College accepts CLEP exams as credit for some General Education requirements. CLEP exams cannot be used for general education certification of The California General Education Transfer Curriculum (Cal-GETC) requirements.

Any credit awarded does not necessarily transfer to other colleges. Students seeking to use CLEP credit for college transfer purposes will need to consult the transfer institution regarding its policy pertaining to CLEP.

No credit will be given to CLEP in any area in which the student has earned college credit prior to completion of CLEP examinations.

Students must meet with a Saddleback College counselor to review CLEP exam scores and initiate the Credit for Prior Learning (CPL) petition.

College Credit for CLEP Exams

*__Credit will be given for CLEP with a score of 50 unless otherwise noted.__ 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.__

CLEP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT FOR GE
American Government	3 units Social/Behavioral Sciences
American Literature	3 units Arts/Humanities
Analyzing and Interpreting Literature	3 Units Arts/Humanities
Biology	3 units Natural Sciences
Calculus	3 units Language/Rationality 1C Placement MATH 3B
Chemistry	3 units Natural Sciences
College Algebra	3 units Language/Rationality 1C Placement MATH 11
College Algebra - Trigonometry	3 units Language/Rationality 1C Placement MATH 3A
College Mathematics	N/A
English Composition (No Essay)	N/A
English Composition with Essay	N/A
English Literature	3 Units Arts/Humanities
Financial Accounting	N/A
French Level I*	N/A
French Level II*	3 units Arts/Humanities with score of 59
Freshman College Composition	N/A
German Level I*	N/A
German Level II*	3 units Arts/Humanities with score of 60

CLEP EXAM	SADDLEBACK COLLEGE AA/AS CREDIT FOR GE
History, United States I	3 units Social/Behavioral Sciences
History, United States II	3 units Social/Behavioral Sciences
Human Growth and Development	3 units Social/Behavioral Sciences
Humanities	3 units Arts/Humanities
Information Systems and Computer Applications	N/A
Introduction to Educational Psychology	N/A
Introductory Business Law	N/A
Introductory to Psychology	3 units Social/Behavioral Sciences
Introductory to Sociology	3 units Social/Behavioral Sciences
Natural Science	3 units Natural Science
Pre-Calculus	3 units Language/Rationality 1C Placement MATH 3A
Principles of Accounting	N/A
Principles of Macro Economics	3 units Social/Behavioral Sciences
Principles of Management	N/A
Principles of Marketing	N/A
Principles of Micro Economics	3 units Social/Behavioral Sciences
Social Sciences and History	N/A
Spanish Level I*	N/A
Spanish Level II*	3 units Arts/Humanities with score of 63
Spanish with Writing I	N/A
Spanish with Writing II	3 units Arts/Humanities with a score of 63
Trigonometry (prior to F06)	3 units Mathematics Placement MATH 2
Western Civilization I	3 units Arts/Humanities or Social/Behavioral Sciences
Western Civilization II	3 units Social/Behavioral Sciences

The Standardized Examination information was prepared based upon data available at the time of publication and is subject to change.

International Baccalaureate (IB) Exam

For IB credit to be awarded, an official score report must be on file in the Office of Admissions and Records prior to the Counselor review. Students must meet with a Saddleback College counselor to review IB exam scores and initiate the Credit for Prior Learning (CPL) petition.

All University of California (UC) campuses will accept the minimum units as stipulated below toward full Cal-GETC certification. The UC campus to which the student is transferring determines the applicability of the examination to other campus specific graduation requirements including the major. The IB examinations must be used in area indicated regardless of where the certifying CCC's discipline is located. Students who earn credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both. University of

California may give additional credit for IB exams posted on https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html

IB credit granted by Saddleback College for either elective or specific course credit does not necessarily transfer as such to other colleges or universities. Students planning to use IB credit toward transfer requirements will need to consult with appropriate campus representatives of the transfer institution for specific information regarding its policies and procedures.

College Credit for IB Exams

For Saddleback College Associate Degree GE and Cal-GETC credit, a minimum score of 5 is required.

IB EXAM	SADDLEBACK COLLEGE AA/AS CREDIT FOR GE	CAL-GETC	UC - SEMESTER UNITS EARNED TOWARD TRANSFER	CSU - SEMESTER UNITS EARNED TOWARD TRANSFER
Biology HL	3 Natural Science No Lab	Area 5B (without Lab) 3	5.3	6
Chemistry HL	3 Natural Science No Lab	Area 5A (without Lab) 3	5.3	6
Economics HL	3 Social/Behavioral Sciences	Area 4 3	5.3	6
Geography HL	3 Social/Behavioral Sciences	Area 4 3	5.3	6
History (Any Region) HL	3 Social/Behavioral Sciences or Arts/Humanities	Area 3B or 4 3	5.3	6
Language A1 (English) HL	3 Arts/Humanities	Area 3B 3	5.3	6
Language A1 (Any Other Language) HL	3 Arts/Humanities	Area 3B & 6A 3	5.3	6
Language A2 (English) HL	3 Arts/Humanities Area 4	Area 3B 3	5.3	6
Language A2 (Any Other Language) HL	3 Arts/Humanities Area 4	Area 3B & 6A 3	5.3	6
Language A Literature (Any Language, Except English) HL	3 Arts/Humanities	Area 3B & 6A 3	5.3	6
Language B (Any Language) HL	N/A	Area 6A 3	5.3	6
Mathematics HL	3 Language/Rationality 1C	Area 2A 3	5.3	6
Physics HL	3 Natural Science	Area 5A (without Lab) 3	5.3	6

IB EXAM	SADDLEBACK COLLEGE AA/AS CREDIT FOR GE	CAL-GETC	UC - SEMESTER UNITS EARNED TOWARD TRANSFER	CSU - SEMESTER UNITS EARNED TOWARD TRANSFER
Psychology HL	3 Social/Behavioral Sciences	Area 4 3	5.3	3
Theatre HL	3 Arts/Humanities	Area 3A 3	5.3	6

The Standardized Examination information was prepared based upon data available at the time of publication and is subject to change.

Credit by Examination

High School to College Articulation

The student will apply online to one of the colleges in the SOCCCD. There is no requirement to be currently registered to receive credit.

High school students may be granted college credit pursuant to established Career Education (CE) articulation agreements between the high school or Regional Occupation Program (ROP) and the college.

A letter grade may be assigned and the course will be identified as "Credit by Examination" on the transcript in accordance with official grading assignment on the Course Outline of Record (COR). Once assigned, a grade is not reversible, and the course is non-repeatable (see Course Repeatability and Repetition policy).

The enrollment fee for credit by examination will not be charged for credit awarded under this provision.

Students who are unsuccessful in obtaining a standard grade of B or better will not be allowed to petition for credit and no record of the attempt for credit by examination will appear on a student's transcript.

Note: Students should be aware that some universities will not recognize credit earned through credit by examination. This includes, but not limited to, credit earned in languages other than English in which they have received formal schooling in that language, or courses taught in a high school setting.

Post-Secondary Specific Course Credit

Credit by exam may be provided if the course appears in a current college catalog and is determined by the faculty of the appropriate discipline that the course content can be tested by an examination. Also, the student must not have received credit for a more advanced course in the same subject, unless waived by the department:

The procedures to obtain Post-Secondary Credit by Examination for a course are as follows:

1. The student will initiate the assessment process by meeting with a counselor to submit the Credit for Prior Learning Assessment Petition.
2. The petition and supporting documents will be routed to the appropriate department chair or faculty designee.
3. The department chair or faculty designee will provide the student with further instructions for credit by exam.
4. The department chair or faculty designee will prepare, administer, and grade the exam.
5. The department chair or faculty designee shall sign the petition with the final grade.
6. An email notification will be sent to the student informing them of the final grade. Upon receipt, the student will have ten (10) working days to accept, decline, or appeal the grade.
7. If the student accepts the final grade, the grade shall be recorded on the student's official transcript.
8. The completed petition, including the final grade and all supporting documents, will be kept on file at the Office of Admissions and Records.

Students may be eligible for the following credit by exam. Please meet with a counselor to discuss this opportunity.

ACCT 1A - FINANCIAL ACCOUNTING	CUL 120 - INTRO TO FOOD SYSTEMS	HORT 116 - IRRIGATION DESIGN
ARAB 1 - ELEMENTARY ARABIC	CUL 210 - INTRO TO CULINARY ARTS	HORT 120 - PEST MANAGEMENT
ARAB 2 - ELEMENTARY ARABIC	CUL 244 - BAKING FUNDAMENTALS I	HRM 150 - INTRO HOSPTLTY MGMT
ARAB 3 - INTERMEDIATE ARABIC	CUL 261 - MGMT, LDRSHP, & TRAINING	HS 112 - CONF RES AND MED
ARCH 50 - INTRO COMPTR AID DRFT	DR 23 - ENGINEERING GRAPHICS	ID 22 - HIST INT ARCH-FURN I
ARCH 120 - REVIT AND BIM	DR 50 - INTRO COMPTR AID DRFT	ID 25 - HIST INT ARCH-FURN II
ARCH 161 - PRINT PLANS SPEC READ	DR 102 - MECH DESIGN PORTFOLIO	ID 110 - INTERIOR DESIGN
ARCH 162 - CONSTRUCTION ESTIMAT.	DR 120 - ENGINEERING TECH	ID 112 - DRAFTING FOR INTERIORS
ARCH 163 - IBC INSPECTION	DR 152 - ADV CAD DESIGN	ID 115 - CAD FOR INT DES
ARCH 164 - RESIDENTIAL INSPECT.	DR 203 - GREEN DESIGN	ID 123 - INT DES ILLUSTRATION
ARCH 165 - ELECTRICAL CODE INSP.	ET 101 - SURVEY OF ELECTRONICS	ID 127 - FUNDAMENTALS OF LIGHT
ARCH 211 - CONCRETE INSPECTION	FR 1 - ELEMENTARY FRENCH	ID 128 - ID BUS-PROF PRACTICE
ARCH 212 - PLUMBING CODES	FR 2 - ELEMENTARY FRENCH	ID 131 - ID DIGITAL VISUALIZATION
ARCH 213 - MECHANICAL CODES	FR 3 - INTERMEDIATE FRENCH	ID 132 - ID BLDG SYS & CODES
AUTO 100 - AUTO. FUNDAMENTALS	GC 63 - INTRO SCREEN PRINTING	ID 133 - ID SKETCHING & RENDERING
AUTO 226 - AUTO SERV CONSULTANT	GD 44 - TYPOGRAPHY	ID 134 - ADV CAD FOR INT DES
AUTO 227 - AUTO SERVICE MGMT	GD 200 - PHOTOSHOP GRAPH DESGN	ITA 1 - ELEMENTARY ITALIAN
BUS 13 - LGL ENVIRON & BUS LAW	GD 210 - MOTION GRAPHICS	ITA 2 - ELEMENTARY ITALIAN
CHI 1 - ELEMENTARY CHINESE	GER 1 - ELEMENTARY GERMAN	JA 1 - ELEMENTARY JAPANESE
CHI 2 - ELEMENTARY CHINESE	GER 2 - ELEMENTARY GERMAN	JA 2 - ELEMENTARY JAPANESE
CHI 3 - INTERMEDIATE CHINESE	GER 3 - INTERMEDIATE GERMAN	JA 3 - INTERMEDIATE JAPANESE
CIM 121A - KEYBDG FOR COMP - BEG	HEBR 1 - ELEMENTARY HEBREW	KOR 1 - ELEMENTARY KOREAN
COUN 40 - COLLEGE CAREER SUCCESS	HORT 10 - PLNT MAT-ORNAMENTAL	KOR 2 - ELEMENTARY KOREAN
COUN 51 - HUMAN RELATIONSHIPS	HORT 11 - PLANT MAT-EDIBLES	KOR 3 - INTERMEDIATE KOREAN
COUN 60 - CAREER EXPLORATION	HORT 106 - CAD FUNDAMENTALS	MFG 200 - INTRO TO RAPID PROTO
CUL 101 - CULINARY PRINC I	HORT 112 - PLANT PROPAGATION	MFG 207 - NUMERICAL CNTRL PRG I
CUL 110 - FOOD PREP ESSENTIALS	HORT 113 - SOILS AND FERTILIZERS	N 170 - NURSING PROCESS**

NUTR 50 - FUNDMNTLS OF NUTRITION	SPAN 2 - ELEMENTARY SPANISH	SPS 715NC - LEARNING DEVELOPMENT
PRSN 1 - ELEMENTARY PERSIAN	SPAN 3 - INTERMEDIATE SPANISH	TOUR 250 - INTRO TO TRAVEL/TOUR
PRSN 2 - ELEMENTARY PERSIAN	SPAN 4 - INTERMEDIATE SPANISH	TOUR 259 - AIRLINE COMPUT TRAING
PRSN 3 - INTERMEDIATE PERSIAN	SPAN 20A - CIVIL SPAIN THRU 1898	
SPAN 1 - ELEMENTARY SPANISH	SPAN 20B - CIVIL SPAIN 1898-PRES	

**credit by exam only for veterans

Industry Recognized Credential Documentation

Credit for industry recognized credential will be granted as long as the official documentation of the credential is on file in the Office of Admissions and Records.

Determination of whether a specific course or elective credit is to be awarded in any area is made by faculty in the discipline who normally teach the course.

The following industry recognized credential has been pre-approved by faculty:

INDUSTRY RECOGNIZED CREDENTIAL	ELIGIBLE COLLEGE COURSE(S)
A Center-Based Preschool Child Development Associate® (CDA) Credential™ issued by the Council for Professional Recognition	CDEV C1000 - Child Growth and Development CDE 15 - Child, Family & Community CDE 101 - Principles & Practices of Teaching Young Children CDE 110 - Introduction to Curriculum
California Real Estate Salesperson License	RE 170 - Real Estate Principles
California Real Estate Broker License	RE 174 - Legal Aspects of Real Estate RE 175 - Real Estate Finance RE 176A - Real Estate Appraisal I
Microsoft Certified: Azure Fundamentals (AZ-900)	CIMN 220A / CIS 471NC - MCSE Certification Exam Prep I
Microsoft Certified: Azure AI Fundamentals (AI-900)	CIMN 220C / CIS 473NC - MCSE Certification Exam Prep III
CompTIA A+ Certification	CIMN 110 - Networking Essentials and Technologies for IT Cybersecurity
CompTIA Network+ Certification	CIMN 120 - Introduction to Networking: CompTIA Network+
CompTIA Linux+ Certification	CIMN 130 - Computer Operating Systems - UNIX and LINUX
CompTIA Security+ Certification	CIMS 130 - Introduction to Information Systems Security: CompTIA SECURITY+
CompTIA Cybersecurity Analyst (CySA+) Certification	CIMS 155 - Cybersecurity Analysis - CompTIA CySA+
Cisco Certified Network Associate (CCNA) Certification	CIMN 160 / CIS 481NC - CISCO CCNA: Routing & Switching Essentials
EC-Council Certified Ethical Hacker (CEH)	CIMS 150 - Introduction to Cybersecurity: Ethical Hacking

Schedule an appointment with a Counselor to discuss how this potential credit for prior learning may align with your academic goals.

If an industry recognized credential has not yet been assessed and approved by the appropriate faculty:

1. The student will initiate the assessment process by meeting with a counselor to submit the Credit for Prior Learning Assessment Petition. The petition will include all industry recognized credential documents.
2. The petition and documents will be routed to the appropriate department chair or faculty designee, along with a notification to the Division/School Dean. If needed, the chair or faculty designee will provide the student with further instructions for assessment of the industry recognized credential.
3. If the department chair or faculty designee determines the industry certification adequately measures mastery of the course content as set forth in the Course Outline of Record, the appropriate faculty shall sign the petition with the recorded grade. An email notification will be sent to the student of the grade and provide the student with the opportunity to accept, decline or appeal the grade within ten working days.
4. Upon acceptance or decline of the grade, the petition will be routed to the Office of Admissions and Records, where all supporting documents will be retained on file. If the student accepts the grade, the course and grade will be recorded on the student's transcript.

Military Service/Training Credit

Six semester units of general elective credit toward an Associate degree will be awarded for a minimum of one year of active honorable service. In the first semester of attendance, veterans who are collecting V.A. educational benefits must submit their DD-214 or other military service record to the VETS Program to be evaluated for these credits. Other veterans who are not collecting V.A. educational benefits, will be evaluated by the Office of Admissions and Records.

Students interested in military Credit for Prior Learning using supporting official documentation shall receive credit as recommended by the American Council on Education (ACE) Directory and approved by the appropriate discipline faculty of the college under the following circumstances:

1. Official transcripts must be on file in the Office of Admissions and Records. These may include Joint Services Transcript (JST), Sailor/Marine American Council on Education Registry Grade Changes Transcript (SMART), Army and American Council on Education Registry Transcript Service (AARTS), or verified copies of DD214 or DD295 military records. Other documentation may be considered.
2. Course credit, elective, or competency equivalency shall be determined by the faculty of the appropriate discipline.
3. This policy does not apply to regionally accredited collegiate coursework taken in the Department of Defense.

To initiate the Credit for Prior Learning Assessment Petition to determine credit for military service/training, a student must meet with a counselor and submit a petition form.

Saddleback College veterans' counselors are your primary source of information regarding academic planning, veteran's resources, and career and personal counseling. They are located in the college VETS Program and are available for scheduled appointments and walk-in sessions. Military affiliated students will need to complete an educational plan with a VETS Counselor in order to start receiving VA educational benefits. Questions regarding course selection and academic requirements may be addressed through this source.

Student-Created Portfolios

(BP 4235 / AR 4235)

Students may receive Credit for Prior Learning using a student-created portfolio if a department has an approved portfolio assessment rubric for the course on file.

If an approved portfolio assessment rubric for a course is on file:

1. The student will initiate the assessment process by meeting with a counselor to submit the Credit for Prior Learning Assessment Petition.
2. The petition and supporting documents will be routed to the appropriate department chair or faculty designee, along with a notification to the Division/School Dean, by the Counseling Department. If needed, the chair or faculty designee will provide the student with further instructions for assessment of the student-created portfolio.
3. If the department chair or faculty designee determines the student-created portfolio adequately measures mastery of the course content as set forth in the Course Outline of Record, the appropriate faculty shall sign the petition with the recorded grade, attach documentation of the student-created portfolio, and forward the completed petition and supporting documents to the Counseling Department.

4. The Counseling Department will notify the student of the grade and provide the student with the opportunity to accept, decline, or appeal the grade within five working days, prior to it being entered and transcripted.
5. Upon acceptance or decline of the grade, the Counseling Department will forward the petition and any supporting documents to the Admissions and Records Office to be kept on file and, if accepted by the student, the final grade will be recorded on the official transcript.

PORTFOLIO ASSESSMENT IS AVAILABLE FOR THE FOLLOWING COURSES
CDEV C1000 Child Growth and Development
CDE 15 Child Family Community
CDE 101 Principles and Practices for Teaching Young Children
CDE 110 Introduction to Curriculum
CDE 112 Health, Safety and Nutrition
CDE 117 Teaching in a Diverse Society
CDE 120 Observation and Assessment
CDE 121 Practicum: The Student Teaching Experience

College Life

Alumni: Stay in Touch with Saddleback

The Saddleback College Foundation wants you to keep in touch! We love hearing your successes and want to keep connected to you. The Foundation will keep you up-to-date on Saddleback College news and events. We will help you support your college and pay it forward to future generations at Saddleback College. Contact the Saddleback College Foundation at (949) 582-4479 or www.saddleback.edu/administration/office-president/saddleback-college-foundation.

Arts, Media, Publications

Students can get hands-on experience in visual and performing arts, whether their passion is in performing or behind-the-scenes work. Opportunities exist in many dance forms, music ensembles, and theatrical genres. They are open to all Saddleback students regardless of major. Saddleback is also home to the award-winning Speech and Debate Team, which travels nationwide to compete in prestigious tournaments and is open to all students. Student artists can participate in several art shows and student sales throughout the year in the Saddleback Gallery.

Saddleback College's Channel 39 on Cox Cable broadcasts telecourses, district events, and film and television projects by students in the Journalism and New Media Department and the Cinema/Television/Radio Department, including many film/video festival winners. The radio program in Cinema/TV/Radio is built around Saddleback College's on-air radio station, 88.5FM KSBR, and its internet radio station, OCRockRadio.com (link is external). Students can apply for positions at the stations, including on-air broadcasting, programming, promotions, sales, and music - an opportunity few other colleges can offer. There are many opportunities for students in various publications, including the student magazine ***Orange Appeal***, the student newspaper ***The Lariat***, and ***Wall***, a literary journal featuring the creative writing and artwork of Saddleback English students, published yearly.

Design students actively participate in and win numerous Graphics, Fashion, Interior Design, and Architecture competitions. Students can take advantage of professional training and resume building through the many clubs and student organizations that foster resume and portfolio building.

Athletics

Saddleback College offers 22 intercollegiate athletic programs that compete under the California Community College Athletic Association (3C2A). As a member of the Orange Empire Conference and the Southern California Football Alliance, the college provides student-athletes with the opportunity to compete at a high level while pursuing their academic goals. Participation in intercollegiate athletics is open to any Saddleback College student enrolled in 12 or more units, in accordance with 3C2A eligibility requirements.

Men's intercollegiate sports include baseball, basketball, cross country, football, soccer, swimming and diving, tennis, track and field, and water polo. Women's intercollegiate sports include basketball, cross country, softball, swimming and diving, tennis, track and field, volleyball, beach volleyball, water polo, soccer, and flag football. In addition, Saddleback College offers coed teams in cheerleading and surfing.

For more information about the athletic program, students may contact the Athletic Department at (949) 582-4547 or the Sports Information Office at (949) 582-4221.

Honor Societies

As part of its commitment to academic excellence, Saddleback College is home to a growing number of prestigious student honor societies. These honor societies are national organizations with local chapters on campus.

Alpha Gamma Sigma (AGS) and Phi Theta Kappa (PTK)

The two campus-wide honor societies, Alpha Gamma Sigma (AGS) and Phi Theta Kappa (PTK), are involved in community and college service activities, social activities, and leadership development. They are open to all students, whether part-time or full-time.

Within each society, scholarships are available either from the local chapter, the parent society, or four-year colleges and universities that reserve scholarship monies for society members. Membership is noted on Saddleback transcripts.

Alpha Gamma Sigma, the California community college honor society, was established in 1926 and is the official honor society of California community colleges. It has had a strong presence on the Saddleback campus for many years. Students who have completed 12 semester units and have a cumulative GPA of 3.0 may apply to join Saddleback's Sigma Epsilon chapter. In order to maintain membership, students must apply and pay dues each semester. Eligible students are invited to join each semester.

Phi Theta Kappa, the international community college honor society, was established in 1918 and now has over 1200 chapters. Chartered in December 1996, Saddleback's Beta Epsilon Beta chapter was the largest at induction in the society's history. Students with a minimum 3.50 cumulative GPA and at least 12 units are invited to join. Phi Theta Kappa is a lifetime membership so long as the member's GPA does not fall below 3.25; dues are paid only once. Eligible students are invited to join in the first semester they become eligible.

Alpha Gamma Sigma and Phi Theta Kappa are housed within the Learning Assistance Program under the direction of Director Jennifer McConkey and fellow faculty advisors. Please contact The LRC Tutoring Center at 949-582-4519 for more information on membership requirements.

Psi Beta

Founded in 1982, Psi Beta is a national honor society for students attending two-year colleges, inviting students who plan to major or minor in psychology, as well as students who simply have an interest in psychology. Psi Beta membership requires students to successfully complete 12 college units, 1 psychology course in which a B or higher was earned, and a 3.25 GPA or top 35% at the College.

Students should note the difference between these honor societies and the Saddleback Honors Program. The Honors Program provides advanced coursework and transfer opportunities to qualified students. You do not need to be part of the Honors Program to join these honor societies. For information about the Honors Program, see the Honors Program page in this catalog.

Student Development and Campus Life

The Student Development Office believes that your college experience is not just a degree, but also the opportunity to grow as a leader and person. It is an opportunity to see the world with a new perspective and to make connections and memories outside of the classroom. Student Development is there to help provide various opportunities through participation in programs such as the Associated Student Government (ASG), campus clubs, leadership programs, and campus life events. Whether on campus or virtually, Student Development has many great opportunities for you to get involved. For more information or to talk to someone about opportunities, visit www.saddleback.edu/life-saddleback/student-development or contact scstudentdevelopment@saddleback.edu (link sends e-mail).

Associated Student Government (ASG)

The Associated Student Government (ASG) is the representative body of the students at Saddleback College. ASG plans, organizes, promotes, sponsors, and finances a comprehensive program of activities and services for all Saddleback College students and advocates on behalf of students. ASG also serves as the body that recognizes and works with student clubs. Participating in ASG and Campus Clubs provides students with the opportunity to learn valuable leadership, organizational, and communication skills which will enhance their college experience and provide a foundation for their future. ASG also provides an excellent opportunity to have a voice in policy making on the campus. For additional information, visit www.saddleback.edu/life-saddleback/student-clubs-organizations/associated-student-government-asg or email official@saddlebackasg.com.

Associated Student Body (ASB) Stamp and FUND-Card

The Associated Student Government provides an excellent program of activities and services. Part of the funding for these programs come from the sale of the ASB stamp. Students are encouraged to purchase the stamp during online registration or at the Student Payment Office located in the Gateway Building, Room GW 123. Stamp holders receive perks such as discounts at the cafeteria, coffee cart, bookstore on select items, and from surrounding businesses. The stamp also provides a free OC bus pass for students and funds general scholarships accessible to the campus community. To receive your stamp or for additional information, please contact Student Development,

at (949) 582-4616 or scstudentdevelopment@saddleback.edu. You can also visit our website at www.saddleback.edu/life-saddleback/student-development.

Diversity, Inclusion, and Cultural Activities

Saddleback College provides a variety of events and activities for students to participate in to promote cultural awareness, diversity, equity, and inclusion. The Associated Student Government provides funding for programs and also has a standing committee, the International and Diversity Student Council (IDSC), which works with various groups on campus to promote awareness through social and educational programs. From events such as Film Festivals, Persian New Year's, Around the World, and the Gender Conference, students can find a variety of activities to participate. Visit www.saddleback.edu/life-saddleback/student-development or email idsc@saddlebackasg.com.

Organizations and Clubs

Student clubs are a great way to develop personal and professional skills while meeting and connecting with fellow students who share the same passion. Students can participate in dozens of student clubs and organizations ranging in interests from academic to recreational to social. Build resumes, make new friends, develop skills, be active, and get involved.

To learn more about starting or joining a club, visit www.saddleback.edu/life-saddleback/student-development or email scstudentdevelopment@saddleback.edu.

Administration and Faculty

District Administrators

Asperin Barnes, Julianna (2022)
Chancellor
B.A., University of California, San Diego
M.A., Ed.D., San Diego State University

Gabel, Ann-Marie (2018)
Vice Chancellor, Business Services
B.A., California State University, Fullerton
M.Ed., University of La Verne, California

McDonald, Christopher (2022)
Vice Chancellor, Educational and Technology Services
B.S., M.S., California State Polytechnic University, Pomona
Ed.D., University of Southern California

Vyskocil, Cindy (2017)
Vice Chancellor, Human Resources
B.S., B.A., Arizona State University
M.A., California State University, Fullerton
Ed.D., University of California, Irvine

Saddleback College Administrators

Alvarado, Christian (2011)
Dean, Enrollment Services
B.S., Azusa Pacific University
M.P.A., California State University, Northridge

Barrow, Paula (2023)
Director of Development and Alumni Relations
B.A., Politics, University of California, Santa Cruz
M.P.A., California State University, Long Beach

Brown, Thurman (2022)
Director of Technology Services and Broadcast Systems
B.B.A., M.B.A., Brandman University

Caffery, Jon (2020)
Regional Director of Employer Engagement
B.A., B.S., Colorado Christian University
M.Ed., Auburn University
Ed.D., Capella University

Call, Linda (2026)
Assistant Dean, School of Health and Wellness/Director of Nursing
B.S.N., University of Florida
M.S.N., Regis University
D.N.P., Western University of Health Sciences

Castellanos, Susana (2023)
Director of College Equity, Inclusion, and Access
B.A., California State University, Fullerton
M.B.A., National University
Ed.D., University of Southern California

Cheng, Jessie (2026)
Manager, Economic and Workforce Development Operations
B.A., University of California, Riverside
M.B.A., University of Phoenix
D.M., University of Phoenix

Clauss, Dan (2017)
Dean, Kinesiology and Athletics/Athletics Director
B.S., Southeast Missouri State University
M.Ed., Western Carolina University

Cordova, Lonita (2026)
President
B.S., University of Maryland
M.S., National University
Ph.D., Walden University

Czajkowski, Laura (2024)
Director, Disabled Student Programs and Services (DSPS)
B.A., M.S., California Lutheran University

d'Arcy, Kim (2008)
Dean, Instructional Support and Teaching Innovations
B.A., University of Arizona
PsyD., Argosy University

Dela Cruz, Angelito (2023)
Director, Health and Wellness Center
B.S., San Diego State University
D.N.P, University of San Diego

Donelson, Sue (2015)
Director of Adult Education
B.S., M.P.H., California State University, Long Beach

Fain, Trish (2006)
Manager, Office of the President

Farthing, Scott (2005)
Dean, School of Arts, Media, Performance and Design
B.M., Friends University, Wichita
M.M., D.M.A., University of Missouri, Kansas City

Franchino, Brett (2022)
Director, Athletics
B.S., University of Oregon
M.A., California State University, Long Beach

Garcia, Rodrigo (2025)
Vice President for College Administrative Services
B.S., California State Polytechnic University, Pomona

M.B.A., California State University, Fullerton
C.P.A.

Guajardo, Zachary (2014)
Student Payment and Veterans Services Manager
B.P.A., M.A., National University

Han, Christina (2026)
Registrar

Hargraves, Christopher (2016)
Director, Student Life

Hinkle, Christina (2014)
Executive Dean, School of Humanities and Social Sciences
B.A., University of California, Los Angeles
M.A., Northeastern University

Irwin, Kari (2017)
Dean, Workforce Program Innovation and Partnerships
A.A., Santiago Canyon College
B.S., California State Polytechnic University, Pomona
M.A., University of Redlands

James, Michael (1992)
Assistant Director, Facilities

Kaven, Jessica (2023)
Assistant Dean, School of Humanities and Social Sciences
B.A., University of Hawai'i
M.A., San Jose State University
Ed.D., California State University, Stanislaus

LaBounty, Jennifer (2023)
Vice President for Student Services
B.A., Chapman University
M.A., Pepperdine University
Ed.D., University of Massachusetts Global

Lara, Larry (2026)
Director, College Facilities
B.S., California State University, Long Beach

Lipiz Gonzalez, Elaine (2026)
Dean of Students
B.A., University of California, Irvine
M.S., California State University, Long Beach
Ed.D., California State University, Fullerton

MacDonald, Anna (2022)
Director, Outreach and Strategic Partnerships

MacDougall Jackson, Michelle (2010)
School of Arts, Media, Performance and Design (AMPD) Operations Manager
B.A., University of California, Riverside
M.F.A., University of California, Irvine

Maynard, Emily (2015)
Grant Project Manager
B.A., Hillsdale College
M.A., Pepperdine University

McCann, Elizabeth (2019)
Executive Director, College Foundation
B.A., M.P.A., University of Southern California

McConkey, Jennifer (2023)
Director, Learning Assistance
B.A., M.A., California State University, Fullerton

McCord, Krisanna (2018)
Operations Site Supervisor, Child Development Center

McCue, Jennie (2005)
Executive Director, Marketing and Communications

Metz, Roxanne (2013)
Director of Fiscal and Contract Services
B.A., Arizona State University
M.B.A., Golden Gate University
D.M., University of Maryland University College

Moscol, Megan (2025)
Assistant Director, Facilities, Capital Outlay Projects

Nelson, Richard (2022)
Chief of Police
A.A., Fullerton College
B.A., San Francisco State University

Nitta, Art (2016)
Dean, School of Science, Technology, Engineering and Math
B.A., University of California, Irvine
M.S., California State Polytechnic University, Pomona

Orozco, Rebecca (2025)
Dean, School of Health and Wellness
A.A., East Los Angeles College
B.S.N., Pacific Union College
M.S.N., California State University, Long Beach
Ed.D., University of Southern California

Perry, Nicola (2019)
Director, Student Success

Predoehl, Daniel (2014)
Assistant Dean, Extended Learning/Director of Emeritus Institute
B.A., George Fox University
M.Ed., Azusa Pacific University
Ed.D., San Diego State University

Ramirez Valdez, Judith (2009)
Night Facilities Operations Supervisor

Riley, Leyla (2025)
Manager, ATEP Operations and Programs
B.A., M.P.A., Arizona State University
Ed.D., California State University, Fullerton

Rivas, Benny (2026)
Director, Financial Aid
B.A., University of California, Riverside

Rivell, Sean (2020)
Assistant Director, Facilities Rentals and Grounds
B.S., Rutgers University

Rodriguez, Ana (2023)
Laboratory Operations Manager, School of Science, Technology, Engineering and Math
A.S., University of Puerto Rico - Arecibo
B.S., University of Puerto Rico - Rio Piedras
M.B.A., Crummer Graduate School of Business

Romero, Valerie (2025)
Student Rights and Grievances Manager
B.A., Chapman University
M.S.L., Abraham Lincoln University

Sanchez, Mario (2024)
Assistant Director, Technology Services

Schenitzki, Lisa (2016)
Psychological Health Services Supervisor
B.A., State University of New York at Buffalo
M.A., Psy.D., Alliant International University

Sessler, Louis (2006)
Facilities Maintenance/Energy Project Manager

Skaff, Penelope (2011)
Dean, Counseling Services
B.A., California State University, Chico
M.A., Phillips Graduate Institute
Ed.D., Brandman University

Sok Wisman, Jenny (2026)
Manager, Clinical Operations
B.S., California State University, Long Beach
M.P.A., California State University, Long Beach

Soultanian, Rita (2017)
Director, Career Resource Center
B.A., M.Ed., Azusa Pacific University
Ed.D., UMass Global

Torabi, Shouka (2006)
Director, Research, Planning and Accreditation
B.A., University of California, Irvine
M.A., California State University, Fullerton

Torres, Jasmine Marie (2025)
Director, Extended Opportunity Programs and Services (EOPS)

Valerius, Matthew (2026)
Dean, Business and Industry
B.A., Marquette University
M.B.A., Chapman University
M.P.P., University of Minnesota

Villanueva, Alan (2026)
Police Operations Lieutenant

Vo-Kumamoto, Tram (2018)
Vice President for Instruction
A.A., City College of San Francisco
B.A., University of California, Berkeley
M.S., California State University, East Bay

Webb, George (2026)
Acting Assistant Director, Facilities

Wehr, Martine (2017)
Director, Foster and Kinship Care Education Program
B.A., University of California, Irvine
J.D., Whittier Law School

Yang, Angela (2016)
Director, International Student Program
M.A., University of Colorado Boulder
Ed.D., Northeastern University

***Note**: Education history for some administrators (above) was not available at time of publication.*

Saddleback College Full Time Professors

Abbas, Sam (2016)
Professor, Chemistry
B.S., University of California, San Diego
M.S., University of Southern California
Ph.D., University of Texas at El Paso

Alexander, Ariel (2012)
Professor, Music
B.M., Jazz Studies, Indiana University
M.A., D.M.A., Jazz Studies, University of Southern California

Alston II, William (2004)
Professor, Chemistry
B.S., Prairie View A & M University
Ph.D., University of Arkansas

Ames, Travis (2022)
Professor, Economics
B.A., M.A., California State University, Fullerton

Aminzadeh, Roya (2018)
Professor, Counseling
M.Ed., University of Southern California

Anderson, Ronald (1999)
Professor, Mathematics
B.A., M.A., University of California, San Diego
Ph.D., University of Montana

Augsburger, Susan (2024)
Assistant Professor, Adapted Kinesiology

B.A., Indiana University
M.S., California State University, Long Beach

Barlow, Daniel (2017)
Professor, English
B.A., University of California, Santa Barbara
M.A., San Diego State University

Barnett, Jeffery (2017)
Professor, Computer Science
B.S., East Tennessee State University
M.S., University of Tennessee

Barrett, Samantha (2023)
Assistant Professor, Nursing
M.S., California State University, Fullerton
M.S., Aspen University

Barrows, Morgan (2002)
Professor, Environmental Studies
B.S., University of California, Davis
M.S., California State University, Fullerton
Ph.D., University of California, Irvine

Beahm, Austin (2019)
Professor, Geography
B.A., M.A., California State University, Long Beach

Bear, Teresa (2011)
Professor, Chemistry
B.S., M.S., University of California, Irvine

Beck, Jessica (2024)
Assistant Professor, Emeritus (Painting and Drawing)
B.F.A., University of Hawai'i, Manoa
M.F.A., New York Academy of Art

Bennett, Michael (2008)
Professor, Adapted Kinesiology
B.A., University of California, San Diego
M.S., California State University, Long Beach

Blumenthal, Emily (2022)
Assistant Professor, Child Development/Early Childhood Education
B.A., Temple University
Ph.D., University of Maryland

Bodhanwala, Homi (2021)
Associate Professor, Computer Science
B.S., University of California, Irvine
M.S., California State University, Fullerton

Boratynec, Zina (2000)
Professor, Counseling
B.A., University of California, Irvine
M.S., California State University, Long Beach

Bowles, Christina (2012)
Professor, Nursing
B.S.N., California State University, Fullerton
M.S.N., California State University, Long Beach

Bowman, Donald (2012)
Professor, Accounting
B.S., California State University, Long Beach
M.B.A., University of California, Irvine

Braatz, Timothy (1999)
Professor, History
B.A., California Lutheran University
M.A., University of California, Santa Barbara
Ph.D., Arizona State University

Brady-Jenner, Julia A (1989)
Professor, Radio
B.A., California State University, Fullerton
M.A., San Diego State University

Brei, Todd (2012)
Professor, Physics
B.A., University of California, Santa Barbara
M.A., California State University, San Marcos

Breslin, Ann Marie (2014)
Professor, Counseling
B.S., M.A., California Polytechnic State University, San Luis Obispo

Brooks, Taylor (2021)
Associate Professor, Automotive Technology
A.A., Saddleback College

Budica, Jessica (2017)
Professor, English
B.A., M.F.A., California State University, Long Beach

Buma, Amira (2004)
Professor, Psychology
B.A., M.A., Ph.D., University of California, San Diego

Camelot, Allison (2004)
Professor, Sociology
M.A., B.A., California State University, Fullerton

Carrillo, Bryan (2019)
Professor, Mathematics
B.A., Bates College
M.S., Ph.D., University of California, Riverside

Casey, Hollis (2015)
Professor, Counseling
B.A., The College of New Jersey, Ewing
M.S., California State University, Fullerton

Castellanos, Maria (2017)
Professor, Counseling
B.A., California State University, Fullerton
M.Ed., San Diego State University
M.S.W., California State University, Long Beach

Cavazzi, Deidre (2012)
Professor, Dance
B.A., M.F.A., University of California, Irvine

Cesareo, Claire (2000)
Professor, Anthropology
B.A., University of California, Berkeley
M.A., Columbia University

Chang, Sarah (2012)
Professor, Counseling
B.A., University of California, Irvine
M.A., University of San Diego

Chau, Deborah (2023)
Assistant Professor, Counseling
B.A., University of California, Los Angeles
M.S., California State University, Dominguez Hills

Chau, Grace (2020)
Associate Professor, Nursing
A.S., Saddleback College
B.S.N., Chamberlain College of Nursing
M.S.N., Azusa Pacific University

Choi, Sang (2016)
Professor, Mathematics
B.S., M.Ed., University of British Columbia
M.S., California State University, Northridge

Christensen, Sheryl (2015)
Professor, Counseling
B.A., University of Arizona, Tucson
M.S., California State University, Fullerton

Chu, Hencelyn (2017)
Professor, Medical Lab Technician
B.S., Andrews University
Ph.D., Oregon State University

Condron, Chris (2023)
Assistant Professor, Accounting
B.A., University of California, Santa Barbara
M.B.A., San Diego State University

Craig, Brandee (2004)
Professor, Kinesiology
B.A., San Francisco State University
M.A., Azusa Pacific University

Cubbage, April (2009)
Professor, Sociology
B.A., University of California, Los Angeles
M.A., University of California, Riverside

Czerniawski, Jennifer (2019)
Professor, Psychology
B.A., Binghamton University
M.A., Ph.D., Rutgers University

Damm, Kathryn (2012)
Professor, Psychology
B.S., B.A., M.A., Ph.D., University of California, San Diego

De La Cruz, Yadira (2023)
Assistant Professor, Adult Education
B.A., University of California, Davis
M.A., Bard College

DeDonno, Thomas (2005)
Professor, Computer Information Management
M.S., B.S., John Carroll University

DeFluiter, Darren (2026)
Assistant Professor, Paramedic
B.S., Kaplan University
M.A., Arizona State University

deRuyter, Rebecca (2026)
Assistant Professor, Physical Therapy Assistant
M.P.T., California State University, Long Beach

DeSaracho, Mariana (1991)
Professor, Counseling
B.S., M.A., San Diego State University
Ed.D., University of Southern California

Dixon, David (2012)
Professor, Physics
B.S., Truman State University
Ph.D., University of California, Berkeley

Duda, Paige (2026)
Assistant Professor, Nursing
M.S.N., University of Arizona

Duffy, Michelle (2012)
Professor, Reading
B.A., California State University, Long Beach
M.S., Ed.D., California State University, Fullerton

Eldred, Stacy (2021)
Associate Professor, Adult Education
B.A., California State University, Fullerton
M.A., Chapman University

Elliott, Brandon (2023)
Professor, Music
B.A., California State University, Fullerton
M.M., University of Cincinnati
Ph.D.Ed., University of Southern California

Engels, Michael (2012)
Professor, Counseling
B.A., University of California, San Marcos
M.A., Webster University

Evancoe, Eugene J. (1991)
Professor, Electronics
B.S.E.E., University of Illinois
M.S.E.E., University of California, Berkeley

Evans-Wallin, Patricia K. (1990)
Professor, Mathematics
B.A., M.S., University of Southern California

Even, Ryan (2011)
Professor, Photography

B.A., San Diego State University
M.F.A., University of California, Santa Barbara

Ewan, Beau (2024)
Assistant Professor, English
B.A., Flagler College
M.A., Florida Atlantic University

Eyman, Casey (2023)
Assistant Professor, Counseling
B.A., M.A., Angelo State University

Fanney, Elise (2023)
Assistant Professor, Communication Studies
B.A., University of California, Davis
M.A., University of Montana, Missoula

Faulkner, Jill (2023)
Assistant Professor, Biology
B.A., Northern Illinois University
Ph.D., University of California, Los Angeles

Fay, Aaron (2024)
Assistant Professor, Biology
B.S., Ph.D., University of California, Irvine

Finn, Janna (2022)
Professor, Mathematics
B.S., M.A., University of California, Irvine
M.A., California State University, Fullerton

Fischer, Jeffrey (2022)
Professor, Kinesiology
B.S., University of Utah
M.S., Emporia State University

Fisher, Suki (2005)
Professor, English
B.A., University of San Diego
M.S., M.F.A., Chapman University

Foote, Alan (2018)
Professor, Computer Information Management
M.B.A, University of Baltimore
Ph.D., Walden University

Fox, Lindsay (1999)
Professor, Fashion
B.F.A., M.A.T., Rhode Island School of Design

Francisco, David (2001)
Professor, Counseling
B.A., University of San Diego
M.A., Westminster Theological Seminary
M.S., University of La Verne

Franks-Sayed, Donna (2021)
Associate Professor, Business
A.A., Irvine Valley College
B.A., California State University, Fullerton
M.B.A., Brandman University

Friedrich, Monica (2012)
Professor, Biology
B.S., Ph.D., University of California, Irvine

Gabdrakhmanova, Farida (2018)
Professor, Interior Design
B.S.,M.S., Moscow Institute of Physics and Technology
M.I.A., Cal Poly Pomona

Garcia, Renee (2005)
Professor, Anthropology
B.A., University of California, Berkeley
M.A., University of Bordeaux

Gee, Caroline (2008)
Professor, Psychology
B.A., M.A., University of California, San Diego

Ghanbarpour, Christina (2014)
Professor, History
B.A., Columbia University, New York
M.A., University of Chicago, Chicago
Ph.D., University of California, Irvine

Gilbert, Annie (2016)
Professor, Adult Education
B.A., Universite du Quebec a Montreal
M.A., McGill University, Montreal

Glatstein, Jeremy (2022)
Professor, Art History
B.A., Occidental College
M.A., Syracuse University
M.A., Ph.D., University of Southern California

Gleed, Patricia (2016)
Professor, Paramedic
B.S.N., West Coast University

Gliadkovsky, Kirill (2011)
Professor, Music
M.M., D.M.A., University of Southern California

Gomez, Josue (2025)
Assistant Professor, Nursing

Gonzalez, Frank (2008)
Professor, Mathematics
B.A., M.A., Western Washington University

Grayson, Ari (2019)
Professor, Architecture and Drafting
B.A., Southern University
M.A., Israel Institute of Technology
M.A., Arizona State University
M.A., Ph.D., University of Michigan

Grihalva, Lawrence (2011)
Professor, Emergency Medical Technology
B.A., University of California, Los Angeles
J.D., Boston College

Gross, Cindy (2014)
Professor, Nursing
B.S.N., City University of New York
M.S.N., University of California, Los Angeles
D.N., Gonzaga University

Gustafson, Michelle (2015)
Professor, Counseling
B.A., University of California, Santa Cruz
M.S.W., Columbia University, New York

Haeri, Mitchell B. (1996)
Professor, Physics/Astronomy
B.S., University of California, Irvine
M.S., Ph.D., University of California, Los Angeles

Haight, Laura (2016)
Professor, Art
B.A., Orange Coast College
B.F.A., California State University, Fullerton
M.F.A., Temple University, Philadelphia

Haley, Edgar (2013)
Professor, Mathematics
B.A., University of California, San Diego
M.S., University of California, Riverside

Hayter, Catherine (2014)
Professor, English
B.A., University of California, Los Angeles
M.A., University of California, San Diego
M.F.A., Bennington College, Vermont
Ph.D., University of California, San Diego

Hedgecock, Jennifer (2008)
Professor, English
A.A., Orange Coast College
B.A., M.A., California State University, Sacramento
Ph.D., Michigan State University

Heneghan, Amy (2022)
Professor, Interior Design
B.A., University of California, Berkeley

Hernandez, Angeline (2024)
Assistant Professor, Nursing
M.S., Colorado Technical University

Hernandez-Bachman, Carolina (2026)
Assistant Professor, English
M.A., California State University, Long Beach

Hernandez-Bravo, Carmenmara (1990)
Professor, Spanish
B.A., M.S., University of California, Irvine

Hijaz, Anwar (2020)
Associate Professor, Political Science
B.S., M.S., Ph.D., University of California, Riverside

Hodaly, Heba (2023)
Assistant Professor, Political Science
B.A., M.A., Ph.D., University of California, Riverside

Hoggatt, Michael (2009)
Professor, Counseling
B.A., Point Loma Nazareth College
M.P.A., National University
M.S., California State University, Long Beach

Hoida-Mulholland, Bridget (2016)
Professor, English
B.A., University of California, Berkeley
M.A., San Francisco State University
M.A., Ph.D., University of Southern California

Hole, Jason (2014)
Professor, Mathematics
B.S., Santa Clara University, Santa Clara
M.S., California State University, Los Angeles
Ph.D., University of California, Davis

Holmes, Barbara (2017)
Professor, Art
B.F.A., Brigham Young University
M.F.A., San Diego State University

Hoolihan, Lori (2016)
Professor, Nutrition
B.S., Ph.D., University of California, Berkeley

Howlett, Scott (1999)
Professor, History
B.A., B.S., M.A., California State Fullerton
M.A., Ph.D., University of California, Irvine

Hunt, Matthew (2000)
Professor, English
B.A., California State University, Fresno
M.A., Ph.D., University of Southern California

Hurtado, Alejandra (2023)
Assistant Professor, Counseling
B.A., California State University, Fullerton
M.A., California State University, Long Beach

Husain, Amani (2023)
Assistant Professor, Ethnic Studies
M.A., Ph.D., University of Colorado, Boulder

Ibbotson, Jill (2017)
Professor, Adult Education
B.S., University of Connecticut

Inlow, Lisa (2010)
Professor, Culinary Arts
A.O.S., California Culinary Academy

Jacobsen, Karen (1999)
Professor, Kinesiology
B.S., University of Michigan
M.Ed., Azusa Pacific University

Jennison, Elizabeth (2016)
Professor, Accounting
B.S., M.B.A., Loyola Marymount University

Jennrich, Jacqueline (2016)
Professor, Nursing
B.S., Vanguard University

Kian Kaufman, Sheiba (2022)
Professor, English
B.A., University of California, Los Angeles
M.A., Ph.D., University of California, Irvine

Kihyet, Constance M. (1988)
Professor, Spanish
B.A., M.S., University of Southern Mississippi
Ph.D., Florida State University

Killer, Jane (2023)
Assistant Professor, Counselor - Veterans
B.S., M.S., California State University, Long Beach

Kim, Edward (2022)
Professor, Cinema, Television, Radio
B.F.A., M.S., University of Arizona
M.A., University of California, Los Angeles

Korper, Steve (2002)
Professor, Computer Information Management
B.S., DeVry Institute of Technology
M.S., Ph.D., Columbia State University

Kouritas, Georgios (2012)
Professor, Music
B.M., Birmingham Conservatoire, United Kingdom
M.M., Ball State University, Indiana
M.M., Cincinnati University, College - Conservatory of Music

Kroupa, Kaitlin (2024)
Assistant Professor, Biology
B.S., University of California, San Diego
M.S., California State University, Long Beach

Lam, Chin (2009)
Professor, English as a Second Language
B.A., M.A., University of California, Los Angeles

Lan, Lawrence (2026)
Assistant Professor, Ethnic Studies
M.A., University of California, Los Angeles
M.A., University of California, Riverside

Lee, Ji (2024)
Assistant Professor, Certified Nursing Assistant
B.S., California State University, Fullerton
M.S., Western Governors University

Lee, Kenneth (2012)
Professor, Horticulture
B.S., Seoul Nation University
M.S., Cornell University

Leppien-Christensen, J. Kristopher (2005)
Professor, Psychology
B.A., M.A., California State University, San Marcos
Ph.D., Saybrook Graduate School & Research Center

Liebmann, Jenna (2024)
Assistant Professor, Nursing
M.S., Vanguard University

Likens, David (2025)
Assistant Professor, Human Services
B.S., University of LaVerne
M.S.W., University of California, Los Angeles
E.M.B.A., Quantic School of Business and Technology
J.D., Southwestern Law School

Long, Erin (2019)
Associate Professor, Counseling
A.A., Saddleback College
B.A., California State University, Fullerton
M.A., Webster University

Long, Michael (2007)
Professor, Counseling
B.A., California State University, Long Beach
M.A., California State University, Dominguez Hills

Lopez, Terry (2019)
Professor, Biology
B.S., M.S., University of California, Riverside
Ph.D., University of California, Irvine

Lumbreras, Jose (2023)
Assistant Professor, Ethnic Studies
B.A., University of California, San Diego
M.A., San Francisco State University

Lunetto, Kathleen (2015)
Professor, Culinary Arts
A.A., Culinary Institute of America, Hyde Park
B.A., New England Culinary Institute, Montpelier
M.Ed., Western Governors University

Luque, Jonathan (2015)
Professor, Mathematics
B.S., M.S., University of California, Irvine

Lyles, Vlasta (2026)
Assistant Professor, Biology
B.A., Pitzer College
Ph.D., University of California, Los Angeles

Magsino, Katelyn (2025)
Assistant Professor, Nursing
B.S., California State University, Los Angeles
D.N.P., University of Arizona

Major, James (2022)
Professor, Nursing
B.S., California State University, Fullerton
M.B.A., M.S., Grand Canyon University

Major, Nicole (2015)
Professor, Sociology
B.A., University of California, Los Angeles
M.A., California State University, Fullerton

Martin, Megan (2022)
Professor, English
M.A., Chapman University

McCartney, Sommer (2005)
Professor, Kinesiology
B.A., University of California, Riverside
M.Ed., Azusa Pacific University

McClaine, Serena (2013)
Professor, Nursing
B.S.N., Southern Illinois University
M.S.N., California State University, Long Beach

McCleave, Sumaya (2004)
Professor, Mathematics
B.A., Boston College
M.S., University of California, Irvine

McGirr, Julie (2015)
Professor, English as a Second Language
B.A., University of California, Irvine
M.S., California State University, Fullerton

McGuire, William (2012)
Professor, Theatre Arts
B.F.A., New York University, Acting
M.F.A., Yale University, Acting

McKeachie, Ashley (2025)
Assistant Professor, Emeritus (Health and Wellness)
B.A., University of California, Irvine
M.A., Loyola Marymount University

McKeachie, J. Ryan (2013)
Professor, Chemistry
B.S., Albion College, Michigan
M.S., Ph.D., University of California, Irvine

McNichol, BJ (2023)
Assistant Professor, Kinesiology and Athletics
B.A., University of Nevada
M.A., Concordia University

Medling, Jane (2016)
Professor, Accounting
B.A., Stanford University
M.B.A., University of Southern California

Meshkin, Nahid (2016)
Professor, Nursing
B.S., University of Phoenix
M.S.N., Azusa Pacific University

Millovich, June M. (2001)
Professor, Child Development and Education
B.A., California State University, San Bernardino
M.S., California State University, Fullerton
Ph.D., Claremont Graduate University

Morris, Kalon (2002)
Professor, Biology
B.A., Harvard University
M.S., University of California, San Diego

Mularski, Jedrek (2011)
Professor, History
B.A., Williams College
M.Ed., Harvard University

Munger, Geoffery (2023)
Assistant Professor, Music
B.M., MM., California State University, Fullerton
D.M.A., Claremont Graduate University

Murray, Pete (2015)
Professor, Humanities
B.A., Cleveland State University, Cleveland
Ph.D., University of Albany, SUNY, Albany

Myhren, Brett (2013)
Professor, English
B.A., Loyola Marymount University
M.A., M.F.A., McNeese State University, Lake Charles, Louisiana
M.A., Ph.D., University of Southern California

Nadeau, Bouchra (2012)
Professor, International Languages
B.A., San Diego University
M.A., California State University, Fullerton

Natalini-Whitmore, Tiffani (2026)
Assistant Professor, Nursing
Ed.D., Southern Connecticut State University

Neill, Carolyn (2019)
Professor, Nursing
A.A., Mira Costa College
B.S.N, National University
M.S.N., Western Governors University

Nguyen, Alex (2022)
Professor, Chemistry
B.S., Whitworth University
M.S., University of California, Irvine

Nguyen, Hoa (2000)
Professor, Mathematics
B.S., M.S., California State University, Long Beach

Nin, Orlantha (2012)
Professor, Counseling
B.A., California State University, Long Beach
M.Ed., Azusa Pacific University

Nussenbaum, Sharon (1988)
Professor, Counseling
B.A., M.S., San Diego State University

Obermeyer, Veronica (2008)
Professor, Art
B.F.A., Laguna College of Art and Design
M.F.A., New York Academy of Art

Ochi, David (2026)
Assistant Professor, Business/Management
M.B.A., University of California, Irvine
M.P.M., Keller Graduate School of Management

Ochi, Shellie (2012)
Professor, English
B.A., Whittier College
Ph.D., University of California, Davis

Ochoa, Heidi (2009)
Professor, Communication Studies
B.A., California State University, Long Beach
M.A., California State University, Los Angeles

Ochoa, Lucas (2011)
Professor, Communication Studies
B.A., California State University, Long Beach
M.A., California State University, Los Angeles

O'Leary, Thomas, (2010)
Professor, Art History
B.A., University of California, Berkeley
M.A., Ph.D., University of Southern California

O'Rourke, Shawn (2013)
Professor, Communication Studies
B.A., Carroll College, Helena, Montana
M.A., California State University, Stanislaus

O'Shea, Erin (2013)
Professor, Art
B.F.A., M.F.A., California State University, Fullerton

Pakula, Jennifer (2016)
Professor, Economics
B.A., M.A., California State University, Long Beach

Paltin, Caroline (2019)
Professor, Human Services
B.A., California State University, Fullerton
M.A., Ph.D., United States International University

Passarelli, Bruno (2013)
Professor, Biology
B.S., M.S., California State University, Long Beach

Peck, Paris (2017)
Professor, Counseling
B.S., California Polytechnic University, Pomona
M.A., National University

Perez, Lawrence (1999)
Professor, Mathematics
B.S., M.A., California State University, Fullerton

Piotrowski, Cody (2026)
Assistant Professor, Chemistry
M.S., St. John's University

Pires, Marcelo (2010)
Professor, Biology
B.S., M.S., California State Polytechnic University, Pomona
Ph.D., University of California, Riverside

Plascencia-Carrizosa, Brenda (2014)
Professor, Child Development and Education
B.S., University of California, Irvine
B.A., M.S., California State University, Fullerton

Polloczek, Dieter (2005)
Professor, English
M.A., Ph.D., University of Kostanz, Kostanz, Germany

Posada, Timothy (2015)
Professor, Journalism
B.A., Azusa Pacific University, Azusa
M.A., Fuller Theological Seminary, Pasadena
M.A., Claremont Graduate University, Claremont

Quade, Joyce (1999)
Professor, Computer Information Management
B.S., Mankato State University
M.A., National University

Quinlan, Emily (2014)
Professor, Business
B.S., J.D., Western State University College of Law

Rachman, Jennifer (2017)
Professor, Counseling
B.S., Pennsylvania State University
M.S., California State University, Long Beach

Ramirez, Alisha (2026)
Assistant Professor, Surgical Technology
M.H.A., National University

Repka, James L. (1996)
Professor, Geology
A.A., Saddleback College
B.A., University of California, Berkeley
Ph.D., University of California, Santa Cruz

Rivera, Nancy (2016)
Professor, Mathematics
B.S., M.S., University of California, Riverside

Robins, Spencer (2023)
Assistant Professor, English
B.A., Amherst College
M.A., University of California, Los Angeles

Rod-Welch, Leila (2020)
Associate Professor, Library Services
M.A., Ed.D., University of Northern Iowa

Rohles, Jennifer (2002)
Professor, Kinesiology
B.S., San Diego State University
M.Ed., Azusa Pacific University

Romesburg, Rod (2026)
Assistant Professor, English
Ph.D., University of California, Davis

Rosa, Steve (2018)
Professor, Dance
M.F.A., University of California, Irvine

Rousseau, Michele (2008)
Professor, Computer Science
B.S., M.S., Ph.D., University of California, Irvine

Saint Lilith, Rebel (2025)
Assistant Professor, Communication Studies
B.A., M.A., California State University, Long Beach

Sarjeant, Andy (2024)
Assistant Professor, Nursing
M.S., Western Governors University

Sauter, Brooke (2023)
Assistant Professor, Counselor
B.A., California State University, Fullerton
M.A., University of La Verne

Scarfone, Femia (2017)
Professor, English as a Second Language
A.A., Orange Coast College
B.A., University of California, Berkeley
M.S., Ed.D., California State University, Fullerton

Schermerhorn, Brockton (2014)
Professor, Real Estate
B.A., Chapman University
J.D., Trinity Law School, Santa Ana

Seaman, Carolyn (2014)
Professor, Library Services
B.A., California State University, Long Beach
M.L.S., San Jose State University, San Jose

See, Jill (2026)
Assistant Professor, Physical Therapy Assistant
M.P.T., Chapman University
D.P.T., University of Montana

Sellers, Joel (2002)
Professor, Music
B.M., Arizona State University

Setterby, Diana (2024)
Assistant Professor, Certified Nursing Assistant
M.S., California State University, Dominguez Hills

Shafe, Kiarash (2012)
Professor, Mathematics
B.S., M.S., University of California, Irvine
M.S., The University of Chicago

Shaffer, Gina Victoria (2010)
Professor, English
B.A., University of Southern California
M.A., Ph.D., University of California, Irvine

Shaffie, Tina (2017)
Professor, Counselor
B.A., California State University, Northridge
M.A., Pepperdine University
Psy.D., Alliant International University

Shaw, Katherine (2016)
Professor, Biology
B.A., M.A., Clark University

Sherman, Matthew (2010)
Professor, Kinesiology
B.S., California State Polytechnic University
M.A., University of Phoenix San Luis Obispo

Sienkiewicz, Laurie (2022)
Professor, Nursing
B.S., California State University, Fullerton
M.S., University of San Diego
D.N.P., Rush University

Silveira, Lisa (1998)
Professor, Mathematics
B.A., M.A., California State University, Fullerton

Sirulnik, Abby (2009)
Professor, Biology
B.A., Earlham College, Richmond, Indiana
Ph.D., University of California, Riverside

Sison, Tamara (2024)
Assistant Professor, Horticulture
B.S., Cornell University
M.S., Ph.D., University of Nevada, Las Vegas

Smith, Arianna (2022)
Professor, Nursing
B.S., Azusa Pacific University
M.S., University of California, Los Angeles

Smith, Basil (2009)
Professor, Philosophy
B.A., State University, New York
M.A., Claremont Graduate School
Ph.D., Cardiff University

Smith, Christina (2009)
Professor, Child Development and Education
B.A., M.A., California State University, Long Beach

Smith, Maureen (2008)
Professor, Geography
B.A., University of North Carolina
M.A., California State University, Long Beach

Sorenson, Stephanie (2008)
Professor, Mathematics
B.S., California State University, Fullerton
M.S., University of California, Irvine

Sotelo, Sharyn Kim (2005)
Professor, Mathematics
B.S., University of California, Riverside
M.A., California State Polytechnic University, Pomona

Stankovich, Kimberly (2005)
Professor, Communication Studies
B.A., M.A., California State University, Fullerton

Steinriede, Lindsay (2013)
Professor, Kinesiology
B.S., San Diego State University
M.A., University of South Florida

Stephens, Blake (2008)
Professor, Architecture and Drafting
B.A., University of Washington

Stillwell, Christopher (2022)
Professor, English as a Second Language
B.A., University of Pennsylvania
M.A., Columbia University
M.A., Ph.D., University of California, Irvine

Szczurek, Anthony (2020)
Associate Professor, Political Science
B.A., Eugene Lang College
M.A., The New School
Ph.D., Virginia Tech

Tabibzadeh, Kiana (1997)
Professor, Chemistry
B.A., M.S., California State University, Long Beach
Ph.D., Trident University

Tamara, Lydia (2012)
Professor, Library Services
B.A., B.M., University of Idaho
M.M., University of Maryland
M.L.S., Indiana University

Tamer, Rita (2001)
Professor, American Sign Language
B.A., M.A., California State University, Northridge
Ed.D., Argosy University

Tanaka, Sophie Mako (2023)
Assistant Professor, Psychology
B.A., M.A., University of California, Los Angeles

Taylor, Karen (2004)
Professor, Graphic Communications
B.A., California State University, Fullerton
M.A., California State University, Long Beach

Taylor, Nils (2021)
Associate Professor, Cinema, Television, Radio
B.A., University of Utah
M.A., Chapman University

Teh, Steven (1999)
Professor, Biology
B.S., M.S., California State Polytechnic University, Pomona

Timmons, Nicholas (2021)
Associate Professor, Physics
B.S., M.S., Ph.D., University of California, Irvine

Tirona, Taylor (2023)
Assistant Professor, Counseling
B.A., University of California, Los Angeles
M.A., Portland State University

Toscano, Laura (2017)
Professor, Counseling
B.S., Hope International University
M.A., Webster University

Tracy, Jacob (2014)
Professor, Mathematics
B.A., M.A., University of California, Santa Cruz
M.S., University of Arizona, Tucson

Tran, Chau Aimee (2015)
Professor, Counseling
B.S., California State University, Fullerton
M.S., University of La Verne

Tran, Linda (2022)
Professor, Business
B.A., M.A., San Jose State University
M.B.A., California State University, East Bay

Tran, Lisa (2015)
Professor, Counseling
B.A., University of California, Irvine
M.A., California State University, Dominguez Hills

Tuominen-Lenney, Katherine (2017)
Professor, Counseling
B.A., University of Notre Dame
M.S.W., California State University, Long Beach

Vazquez-Paramio, Silvia (2023)
Assistant Professor, Spanish
B.A., Universidad Complutense de Madrid
M.A., Universidad de Jaén
Ph.D., Universidad Complutense de Madrid

Vogel, Erica (2014)
Professor, Anthropology
B.A., Carnegie Mellon University, Pittsburgh
M.A., Ph.D., University of California, Irvine

Vogel, Jeff (2012)
Professor, Reading
B.A., California State University, Fresno
M.A., California State University, Stanislaus
Ed.D., Liberty University

Wall, Krista (2023)
Assistant Professor, Nursing
B.A., Saint Mary's College, Notre Dame
M.A., California State University, San Marcos

Walsh, Daniel (1999)
Professor, Geography
B.A., M.A., California State University, Fullerton

Weckerly, Michelle (2022)
Professor, Business

B.A., University of California, Irvine
M.B.A., California State University, Long Beach

Westphal, Karla (2001)
Professor, Mathematics
B.A., Yale University
M.S., Loyola University

White, Christina (2009)
Professor, Chemistry
B.S., Cal Poly San Luis Obispo
Ph.D., University of California, Santa Barbara

Williams, Jake (2014)
Professor, English
B.A., M.A., California State University, Long Beach

Williams, Kolin (2011)
Professor, Counseling
B.A., M.S., California State University, Sacramento

Yassine, Amina (2010)
Professor, Spanish/Arabic
B.A., M.A.T., University of California, Irvine

Yurko, Matthew (2022)
Professor, Environmental Studies
B.S., Loyola University
M.S., Lesley University

Zach, Alicia (2016)
Professor, Library Services
B.A., Santa Clara University
M.L.I.S., San Jose State University

Zemanek, Erika (2019)
Professor, English
B.A., California State University, San Bernardino
M.A., California State University, Long Beach

Zimmerman, Ray (2009)
Professor, English
B.A., University of Texas, Dallas
M.A., Ph.D., University of Irvine

Zoval, Jim (2008)
Professor, Chemistry
B.A., Ph.D., University of California, Irvine

Saddleback College Emeriti Professors

Abrams, Karl J. (1989-2012)
Professor Emeritus, Mathematics, Science and Engineering

Adams, Howard (1975-2009)
Professor Emeritus, Health Sciences & Human Services

Agnew, Priscilla J. (1977-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Alford, JoAnn (1985-2011)
Professor Emeritus, Counseling Services and Special Programs

Allbright, Aaron (1990-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Allen, John F. (1982-2004)
Professor Emeritus, Mathematics, Science and Engineering

Altman, Cheryl (1989-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Azary Dehkordi, Maryam (1994-2025)
Professor Emeritus, Counseling Services

Babusek, Alda O. (1979-2011)
Professor Emeritus, Health Sciences and Human Services

Bagwell, Janet (2002-2022)
Professor Emeritus, Liberal Arts

Baker, Gertrude Baker (1970-1975)
Director Emeritus, Nursing Education

Baker, Wynoah Willis (1984-2004)
Assistant Dean Emeritus, Student Services and Financial Aid

Baltierra, Juanita L. (1985-2014)
Professor Emeritus, Transfer, Career and Special Programs

Bander, Carol J. (1977-2016)
Professor Emeritus, Liberal Arts

Barr, Douglas M. (1991-2022)
Professor Emeritus, Counseling Services

Barr, Pamela J. (1992-2017)
Professor Emeritus, Counseling Services

Bartlett, Ryburn D. (1969-1991)
Dean Emeritus, Mathematics, Science and Engineering

Becktold, Lynda L. (1982-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Bell, Ronald D. (1979-2004)
Professor Emeritus, Advanced Technology and Applied Science

Belmont, Gita (1990-2006)
Professor Emeritus, Liberal Arts and Learning Resources

Belyea, Barbara L. (1985-2011)
Professor Emeritus, Health Sciences and Human Services

Bennett, Joann M. (1969-1993)
Professor Emeritus, Fine Arts

Bergthold, Frederick M., Jr. (1980-1997)
Professor Emeritus, Mathematics, Science and Engineering

Berns, Roberta M. (1977-1999)
Professor Emeritus, Social and Behavioral Sciences

Bessette, Nancy C. (1975-2011)
Professor Emeritus, Kinesiology and Athletics

Billingsley, William J. (2005-2025)
Professor Emeritus, History

Blethen, Mark (2000-2025)
Professor Emeritus, Kinesiology and Athletics

Bliss, Robert W. (1977-2004)
Professor Emeritus, Business Science

Bollingmo, James E. (1973-1993)
Professor Emeritus, Mathematics, Science and Engineering

Borella, Peter E. (1981-2014)
Professor Emeritus, Mathematics, Science and Engineering

Bornemann, Robert W. (1983-2010)
Professor Emeritus, Fine Arts

Bosanko, Robert G. (1974-1983)
President Emeritus

Branch-Stewart, Kim (2010-2022)
Professor Emeritus, Health Sciences and Human Services

Bremer, Fred H. (1967-1987)
President Emeritus

Brennan, Paul E. (1968-1994)
Professor Emeritus, Social and Behavioral Sciences

Brenner, Cristy L. (1994-2017)
Professor Emeritus, Social and Behavioral Sciences

Brewer, Christina E. (1974-2004)
Professor Emeritus, Social and Behavioral Sciences

Brewer, Everett L. (1973-1995)
Vice President for Instruction Emeritus

Brierre-Shambrook, Maud B. (1982-2009)
Professor Emeritus, Liberal Arts and Learning Resources

Brightbill, Alvin J. (1975-2004)
Professor Emeritus, Fine Arts

Brummel, William C. (1980-2008)
Professor Emeritus, Kinesiology and Athletics

Bruno, Brenda J. (1986-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Bullock, Dixie Lee (1976-2004)
President Emeritus

Busché, Donald L. (1977-2002)
Vice President for Instruction Emeritus

Cabeen, Russell F. (1975-1994)
Professor Emeritus, Social and Behavioral Sciences

Caggiano, Jodi (2013-2023)
Professor Emeritus, Nursing

Cain, Duane O. (1971-1999)
Professor Emeritus, Kinesiology and Athletics

Calkins, Keith D. (1980-2001)
Professor Emeritus, Kinesiology and Athletics

Carroll, Christina (1981-2011)
Professor Emeritus, Mathematics, Science and Engineering

Carter, Shirley (1977-2002)
Professor Emeritus, Social and Behavioral Sciences

Cederquist, John C. (1975-2008)
Professor Emeritus, Fine Arts

Chai, Nakyong T. (1977-1998)
Professor Emeritus, Fine Arts

Channing, Michael D. (1979-2018)
Professor Emeritus, Liberal Arts

Chin, Lem (1987-2017)
Professor Emeritus, Advanced Technology and Applied Sciences

Christensen, Carl H. (1970-1999)
Professor Emeritus, Social and Behavioral Sciences

Christensen, Grace L. (1968-1993)
Professor Emeritus, Liberal Arts

Chuman, Jerilyn (1980-2015)
Dean Emeritus, Counseling Services

Claflin, Christopher (2008)
Professor Emeritus, Advanced Technology and Applied Science

Clancy, John P. (1969-1990)
Professor Emeritus, Social Sciences

Clark, Jeffrey M. (1989-2012)
Professor Emeritus, Liberal Arts

Cline, Claudia D. (1989-2011)
Professor Emeritus, Emeritus Institute

Cobos, Ana Maria (1992-2017)
Professor Emeritus, Online Education & Learning Resources

Cogbill, Bonnie J. (1968-1996)
Professor Emeritus, Fine Arts

Cohen, Robert I. (1979-2004)
Professor Emeritus, Advanced Technology and Applied Science

Cosgrove, Robert W. (1981-2017)
Professor Emeritus, Liberal Arts

Courtright, Theresa E. (1973-1985)
Professor Emeritus, Learning Resources

Cox, Anne (1978-2017)
Professor Emeritus, Social and Behavioral Sciences

Cox, Barbara (2008-2022)
Professor Emeritus, Economic Workforce Development and Business Science

Crabb, Kerry (2008-2025)
Professor Emeritus, Kinesiology and Athletics

Crapo, Stephen (1999-2021)
Professor Emeritus, Kinesiology and Athletics

Crary, Diane (1998-2010)
Professor Emeritus, Counseling Services and Special Programs

Crary, Paul D. (1986-2010)
Professor Emeritus, Fine Arts

Croisette, Arthur F. (1969-1987)
Professor Emeritus, Business Science

Daniels, Stevie (2012-2024)
Professor Emeritus, English as a Second Language

Darr, Flip (1973-1999)
Professor Emeritus, PE And Athletics

De Aguero, Walter G. (1984-2011)
Professor Emeritus, Business Science

Dellota, Lois M. (1975-1998)
Professor Emeritus, Student Health Services

Denney, George T. (1969-1999)
Professor Emeritus, Liberal Arts

DiLeo, David L. (1993-2014)
Professor Emeritus, Social and Behavioral Science

Doty, Robert W. (1969-1984)
Professor Emeritus, Business Science

Duquette, Janice L. (1977-2018)
Professor Emeritus, Kinesiology and Athletics

Edwards, Diane J. (1978-2004)
Professor Emeritus, Emeritus Institute

Elkins, Claire B. (1977-2009)
Professor Emeritus, Kinesiology and Athletics

Eschbach, Delphine M. (1972-1988)
Professor Emeritus, Health Sciences and Human Services

Espinosa, Peter J. (1980-2011)
Professor Emeritus, Counseling Services and Special Programs

Evans, E. Lloyd (1985-1999)
Professor Emeritus, Social and Behavioral Sciences

Evans, Nancy (1989-2016)
Professor Emeritus, Mathematics, Science and Engineering

Evans, Thomas D. (1981-2004)
Professor Emeritus, Advanced Technology and Applied Science

Farnsworth, Robert (2008-2022)
Professor Emeritus, Advanced Technology and Applied Science

Fier, Scott R. (1993-2022)
Professor Emeritus, Mathematics, Science and Engineering

Fennell, Patrick J. (1979-2011)
Professor Emeritus, Fine Arts and Media Technology

Ferguson, Robert W. (1970-2011)
Professor Emeritus, Social and Behavioral Sciences

Fisher, Schorre' L. (1989-2004)
Professor Emeritus, Business Science

Flood, John J. (1968-1988)
Dean of Students Emeritus

Forouzesh, Jennifer A. (1989-2017)
Professor Emeritus, Health Sciences and Human Services

Fowler, Carol N. (1971-1993)
Professor Emeritus, Advanced Technology and Applied Science

Fredrickson, Scott (2013-2025)
Professor Emeritus, Business

Friede, Petrina H. (1979-2011)
Professor Emeritus, Business Science

Friedemann, Harold (1970-1992)
Professor Emeritus, Mathematics, Science and Engineering

Fritsen, Jan (1988-2000)
Professor Emeritus, Counseling Services and Special Programs

Froehlich, Robert A. (1977-2006)
Professor Emeritus, Counseling Services and Special Programs

Gaines, Tom J. (1969-1993)
Professor Emeritus, Fine Arts

Garant, Dorothy (1990-2017)
Professor Emeritus, Kinesiology and Athletics

Garcia, Anthony M. (1977-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Gershman, Barbara A. (1975-2004)
Professor Emeritus, Advanced Technology and Applied Science

Giguere, Virginia L. (1980-2011)
Professor Emeritus, Health Sciences and Human Services

Gillay, Carolyn Z. (1984-2011)
Professor Emeritus, Business Science

Gilman, Bruce (2008-2019)
Professor Emeritus, Liberal Arts

Gleason, Linda (2004-2017)
Professor Emeritus, Health Sciences and Human Services

Goldberg, Patrizia (1987-2014)
Professor Emeritus, Business Science and Economic & Workforce Development

Goodman, Richard (1990-2010)
Professor Emeritus, Health Sciences and Human Services

Gordon, Wendy R. (1986-2017)
Professor Emeritus, Online Education & Learning Resources

Gritton, Margaret H. (1973-1999)
Professor Emeritus, Advanced Technology and Applied Science

Ground, Andy (2009-2024)
Professor Emeritus, Kinesiology and Athletics

Guizar, Mercedes (1999-2004)
Associate Professor Emeritus, Liberal Arts and Learning Resources

Guy, Georgina (2008-2026)
Professor Emeritus, Counseling Services

Haas, Sharon (1998-2022)
Professor Emeritus, Kinesiology and Athletics

Hada, Dennis S. (1986-2010)
Professor Emeritus, Mathematics, Science and Engineering

Hagerty, Elizabeth Ann (1973-2000)
Professor Emeritus, Learning Resources

Haggerty, A. Lee (1981-2019)
Professor Emeritus, Social and Behavioral Sciences

Handa, Stephen G. (1988-2017)
Professor Emeritus, Counseling Services

Hardick, Randolph (2004-2026)
Professor Emeritus, Emergency Medical Technician

Harrison, Charles R. (1976-2008)
Instructor Emeritus, Advanced Technology and Applied Science

Hartman, B. George (1968-1999)
Professor Emeritus, Kinesiology and Athletics

Hassouna, Fred (1975-1983)
Professor Emeritus, Mathematics and Engineering

Hastings, Ronald J. (1980-2010)
Professor Emeritus, Counseling Services and Special Programs

Hayes, Annette (1975-1989)
Professor Emeritus, Business Science

Heffernan, William A. (1973-2008)
Professor Emeritus, Liberal Arts and Learning Resources

Henry, V. Robert (1990-2017)
Professor Emeritus, Health Sciences and Human Services

Herron, Alinde (2005-2020)
Professor Emeritus, Advanced Technology and Applied Science

Hill III, Merton E. (2005-2014)
Professor Emeritus, Mathematics, Science and Engineering

Hines, James N. (1970-1994)
Professor Emeritus, Liberal Arts

Hodge, Kathleen O'C. (1975-2004)
Vice Chancellor Emeritus, Educational Services

Hodge, Vern M. (1976-2004)
Vice President for Student Services Emeritus

Hodges, Jack A. (1989-2011)
Professor Emeritus, Kinesiology and Athletics

Hoffman, Barbara L. (1976-1988)
Professor Emeritus, Health Sciences and Human Services

Hoffman, Robert C. (1969-1994)
Professor Emeritus, Social Science

Holston, William E. (1968-1998)
Professor Emeritus, Social and Behavioral Sciences

Hooper, Gail (1999-2008)
Professor Emeritus, Counseling Services and Special Programs

Hopkins, Loma J. (1984-2016)
Professor Emeritus, Transfer, Career and Special Programs

Horlings, Jane E. (1990-2018)
Professor Emeritus, Mathematics, Science and Engineering

Horvath, Wayne J. (1968-1999)
Professor Emeritus, Fine Arts, Kinesiology and Athletics

Huang, S. Margaret (1976-2012)
Professor Emeritus, Health Sciences and Human Services

Huggins, Barbara (2009-2026)
Professor Emeritus, Nursing

Huntley, Anthony C. (1991-2023)
Professor Emeritus, Biology

Iacino-Tan, Dorina (1991-2009)
Professor Emeritus, Mathematics, Science and Engineering

Ininns, Elizabeth (1999-2025)
Professor Emeritus, Biology

Jacobs, Paula L. (1981-2017)
Professor Emeritus, Counseling Services

Jacobsen, Robert E. (1971-2001)
Professor Emeritus, Counseling Services and Special Programs

Jay, William O. (1974-1999)
Professor Emeritus, Math Science and Engineering

Johns, A. Herbert (1975-1994)
Professor Emeritus, Business Science

Johnson, Zane O. (1975-2011)
Professor Emeritus, Advanced Technology and Applied Science

Jones, Lawrence R. (1977-2017)
Professor Emeritus, Fine Arts and Media Technology

Kelly, William L. (1969-1995)
Vice Chancellor Emeritus, Administrative Services

Kero, Reynold J. (1968-1993)
Professor Emeritus, Mathematics, Science and Engineering

Kessler, Nancy M. (1977-1996)
Professor Emeritus, Advanced Technology and Applied Science

Kiernan, Maria (2008-2023)
Professor Emeritus, Emeritus Institute

Kim, Yong H. (1977-2004)
Professor Emeritus, Mathematics, Science and Engineering

Kirk, William B. (1977-1997)
Professor Emeritus, Fine Arts and Communications

Kirsch, Alfred F. (1979-2002)
Professor Emeritus, Advanced Technology and Applied Science

Kish, Andrew W. (1968-1995)
Professor Emeritus, Social and Behavioral Sciences

Konishi, Hiromasa (2005-2026)
Professor Emeritus, Cinema, Television, Radio

Kopfstein, Robert W. (1980-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Kosmides, Martha Sue (1990-2002)
Professor Emeritus, Liberal Arts and Learning Resources

Kucharski, Phillis (2001-2020)
Professor Emeritus, Health Sciences and Human Services

Kurlak, George M. (1969-1997)
Professor Emeritus, Counseling Services and Special Programs

Lagatta, Jill R. (2005-2011)
Associate Professor Emeritus, Liberal Arts and Learning Resources

Lane, James A. (1974-1998)
Professor Emeritus, Fine Arts

Lange, Grace L. (1968-1987)
Professor Emeritus, Liberal Arts

Langrell, Jenny (2005-2025)
Professor Emeritus, Library Services

Lawson, Anne (2013-2025)
Professor Emeritus, Nursing

Lebauer, Roni (1990-2017)
Professor Emeritus, Liberal Arts

Leighton, Ronald S. (1977-2010)
Professor Emeritus, Fine Arts

LeSourd, Peter (1989-2000)
Professor Emeritus, Business Science

Levin, Patricia (1987-2021)
Professor Emeritus, Fine Arts and Media Technology

Lindblad, James G. (1969-1996)
Professor Emeritus, Mathematics, Science and Engineering

Littell, R. Phil (1969-1999)
Professor Emeritus, Mathematics, Science and Engineering

Llorente, Alex J. (1984-2022)
Professor Emeritus, Economic & Workforce Development and Business Science

Logan, Stephen W. (1984-1999)
Professor Emeritus, Business Science

Lovett, Margot (1997-2025)
Professor Emeritus, History

Lowe, Lesley (2005-2017)
Professor Emeritus, Emeritus Institute

Luke, Gary A. (1989-2022)
Professor Emeritus, Liberal Arts

Lynch, Ardith (2008-2021)
Professor Emeritus, Transfer, Career and Special Programs

MacMillan, Sharon (1977-2020)
Professor Emeritus, Social and Behavioral Sciences

Mamoon, Safiah (2011-2027)
Professor Emeritus, Health Information Technology

Marcou, Howard H. (1968-1985)
Professor Emeritus, Business Science

Mayenzet, Maria (2011-2026)
Professor Emeritus, Cinema, Television, Radio

Mazique, Jeanne M. (1990-2011)
Professor Emeritus, Liberal Arts and Learning Resources

McCullough, Richard D. (1971-2008)
President Emeritus

McCullough, Vincent D. (1969-1998)

Professor Emeritus, Kinesiology and Athletics

McDonald, James T. (1971-1993)
Professor Emeritus, Social and Behavioral Sciences

McElroy, Mark G. (1999-2021)
Professor Emeritus, Kinesiology and Athletics

McFann, Kent (2005-2023)
Professor Emeritus, Fine Arts and Media Technology

McFarland, William L. (1983-2003)
Professor Emeritus, Advanced Technology and Applied Science

McGinley, Patricia (2011-2021)
Professor Emeritus, Health Sciences and Human Services

McGrew, W. Leona (1973-1987)
Assistant Dean Emeritus, Continuing Education and Community Service

McGroarty, Diane (2005-2025)
Professor Emeritus, Fashion

McLendon, Curtis L. (1977-2010)
Professor Emeritus, Mathematics, Science and Engineering

Messner, Carolann M. (1977-2006)
Professor Emeritus, Fine Arts

Meyer, Thomas S. (1971-2007)
Professor Emeritus, Mathematics, Science and Engineering

Meyn, Virginia M. (1986-1998)
Professor Emeritus, Liberal Arts

Mikolajczak, Michaelyn L. (1980-2011)
Professor Emeritus, Counseling Services and Special Programs

Miller, Susan (2016-2026)
Professor Emeritus, Medical Assisting

Miller-White, Sherry (1988-2018)
Professor Emeritus, Social and Behavioral Sciences

Minch, John A. (1972-1994)
Professor Emeritus, Mathematics, Science and Engineering

Miraglia, Terence J. (1969-2007)
Professor Emeritus, Mathematics, Science and Engineering

Mitchell, Melvin E. (1968-1992)
Professor Emeritus, Social and Behavioral Sciences

Moon, Thomas B. (1983-2002)
Professor Emeritus, Advanced Technology and Applied Science

Moore, Arlene C. (1968-1981)
Professor Emeritus, Librarian

Moore, Larry (1999-2017)
Assistant Professor Emeritus, Economic & Workforce Development and Business Science

Morgan, Thomas V. (1973-2004)
Professor Emeritus, Fine Arts

Morris, Josephine H. (1987-2010)
Professor Emeritus, Health Sciences and Human Services

Nawa-Raridon, Susan E. (1985-2011)
Professor Emeritus, Health Sciences and Human Services

Nelson, Calvin L. (1969-2004)
Professor Emeritus, Mathematics, Science and Engineering

Nelson, Candy (2011-2020)
Professor Emeritus, Health Sciences and Human Services

Newell, Linda M. (1991-2011)
Professor Emeritus, Business Science

Newman, Terry W. (1977-2011)
Professor Emeritus, Fine Arts and Media Technology

Niccola, Loretta (1999-2025)
Professor Emeritus, Nursing

Nicolson, Sheryl A. (1980-2005)
Professor Emeritus, Social and Behavioral Sciences

Norris, James (1969-1985)
Professor Emeritus, Business Science

O'Buchon, Janine (2003-2024)
Professor Emeritus, Nursing

O'Connor, Kevin (1999-2022)
Dean Emeritus, Liberal Arts

Otta, William E. (1968-2002)
Professor Emeritus, Social and Behavioral Sciences

Parsons, Robert N. (1968-2011)
Professor Emeritus, Mathematics, Science and Engineering

Patton, Ken (2003-2011)
Professor Emeritus, Business Science

Petricig, Michael B. (1988-2014)
Professor Emeritus, Mathematics, Science and Engineering

Pettengill, Robert P. (1976-1993)
Professor Emeritus, Business Science

Phillips, William B. (1968-1995)
Professor Emeritus, Social and Behavioral Sciences

Pierce, Mary Lou (1983-1994)
Dean Emeritus, Mathematics, Science and Engineering

Poertner, Gary (2010-2016)
Chancellor Emeritus

Potratz, Richard A. (1975-2009)
Professor Emeritus, Counseling Services and Special Programs

Prendiville, Margaret B. (1985-1993)
Professor Emeritus, Health Sciences and Human Services

Quigley, Patrick (2012-2022)
Professor Emeritus, Math, Science, and Engineering

Radden, Larry (1994-2022)
Professor Emeritus, Fine Arts and Media Technology

Rane-Szostak, Donna (2009-2017)
Dean Emeritus, Health Sciences and Human Services

Reed, J. Michael (1985-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Reyes, Raymond (1998-2004)
Associate Professor Emeritus, Social and Behavioral Science

Rhodes, Lee W. (1968-1988)
Professor Emeritus, Mathematics, Science and Engineering

Rice, Linda L. (1968-1995)
Professor Emeritus, Business Science

Richardson, Carroll M. (1975-1981)
Associate Dean Emeritus, Counseling and Guidance

Richards, John (2016-2021)
Associate Professor Emeritus, Advanced Technology and Applied Science

Riley, William J., III (1980-2010)
Professor Emeritus, Fine Arts

Roberts, G. Joyce (1981-1987)
Professor Emeritus, Health Sciences and Human Services

Robinson, Terrill L. (1978-2010)
Professor Emeritus, Emeritus Institute

Robison, Shelba J. (1976-2003)
Professor Emeritus, Liberal Arts and Learning Resources

Roelen, Jay (1968-1995)
Professor Emeritus, Kinesiology and Athletics

Rogers, Phil (1977-1993)
Professor Emeritus, Mathematics, Science and Engineering

Rosenberg, Alannah (1990-2023)
Professor Emeritus, Social and Behavioral Sciences

Runyan, Michael G. (1977-2008)
Professor Emeritus, Liberal Arts and Learning Resources

Ruyle, Susan (1989-2003)
Professor Emeritus, Liberal Arts

Ryan, Patricia K. (1972-1994)
Professor Emeritus, Health Sciences and Human Services

Scarola, Vito L. (2000-2017)
Professor Emeritus, Fine Arts and Media Technology

Schmidt, Herman A. (1978-1990)
Dean Emeritus, Admissions and Records/Outreach

Sciarrotta, Frank O. (1968-1991)
Professor Emeritus, Mathematics, Science and Engineering

Shaver, Karen E. (1988-1998)
Professor Emeritus, Counseling Services and Special Programs

Sherrer, Betty J. (1969-1998)
Professor Emeritus, Kinesiology and Athletics

Siegel, Linda I. (1986-2008)
Professor Emeritus, Social and Behavioral Sciences

Smith, D. Jeanne (1977-2020)
Professor Emeritus, Mathematics, Science and Engineering

Smith, Kathleen F. (1990-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Smith, Maureen F. (1981-2002)
Professor Emeritus, Business Science

Smolen, Stephen A. (1990-2005)
Professor Emeritus, Liberal Arts and Learning Resources

Sneed, Richard (1986-1993)
Chancellor Emeritus

Spidell, Dorothy K. (1968-1983)
Professor Emeritus, Library and Media Services

Stakan, Gary (1990-2006)
Professor Emeritus, Counseling Services and Special Programs

Stavro, Beverly J. (1986-1989)
Associate Professor Emeritus, Health Sciences and Human Services

Stern, Elliot (2019-2026)
President Emeritus

Stevens, Kay L. (1990-2005)
Professor Emeritus, Health Sciences and Human Services

Stevens, Roy C. (1968-1999)
Professor Emeritus, Kinesiology and Athletics

Stevenson, Glen (2010-2024)
Professor Emeritus, Advanced Manufacturing/Drafting

Stevenson, William W. (2001-2026)
Professor Emeritus, English

Stuetz, Richard E. (1969-1999)
Professor Emeritus, Kinesiology and Athletics

Sullivan, Patricia L. (1981-2016)
Professor Emeritus, Economic & Workforce Development and Business Science

Summers, William L. (1985-2011)
Professor Emeritus, Mathematics, Science and Engineering

Surface, Milton B. (1968-1986)
Professor Emeritus, Social Sciences

Swartzbaugh, Jack A. (1968-1999)
Professor Emeritus, Counseling Services and Special Programs

Swearingen, Kenneth D. (1976-1999)
Professor Emeritus, Kinesiology and Athletics

Sworder, Steven C. (1977-2013)
Professor Emeritus, Mathematics, Science and Engineering

Tamialis, Barbara (2006-2021)
Professor Emeritus, Social and Behavioral Sciences

Tarui, Kazumitsu (1980-2011)
Professor Emeritus, Mathematics, Science and Engineering

Tash, Steven J. (1979-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Taylor, Don (2000-2013)
Dean Emeritus, Advanced Technology and Applied Science

Thomas, Arlene E. (1988-2017)
Professor Emeritus, Advanced Technology and Applied Science

Thorpe, James F. (1968-1995)
Professor Emeritus, Mathematics, Science and Engineering

Titus, David B. (1990-2010)
Professor Emeritus, Advanced Technology and Applied Science

Trani, Nicholas (2008-2024)
Professor Emeritus, Kinesiology and Athletics

Turner, Pamela (2000-2022)
Professor Emeritus, Emeritus Institute

Valencic, Joseph J. (1979-2004)
Professor Emeritus, Mathematics, Science and Engineering

Van Elzakker, Lucille (1973-1981)
Professor Emeritus, Health Science and Gerontology

Venable, Samantha J. (1988-2016)
Professor Emeritus, Health Sciences and Human Services

Ventura, Janet (1999-2021)
Professor Emeritus, Counseling Services

Victor, Richard E. (1990-2004)
Professor Emeritus, Liberal Arts and Learning Resources

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Professor Emeritus, Mathematics, Science and Engineering

Waian, Lee B. (1979-2002)
Professor Emeritus, Technology and Applied Science

Walker, Don A. (1970-1992)
Professor Emeritus, Mathematics, Science and Engineering

Walker, H. Lee (1971-2004)
Professor Emeritus, Liberal Arts and Learning Resources

Watkins, Peggy (1989-2007)
Professor Emeritus, Mathematics, Science and Engineering

Watkins, Ray E. (1977-2007)
Professor Emeritus, Mathematics, Science and Engineering

Weisgerber, William H. (1973-2009)
Professor Emeritus, Business Science

Weisrock, Thomas J. (1974-2011)
Professor Emeritus, Liberal Arts and Learning Resources

Welc, Martin (1989-2025)
Professor Emeritus, Real Estate

Wells, Lynn K. (1975-2004)
Professor Emeritus, Fine Arts

Weston, Norman (1989-2020)
Professor Emeritus, Music

White, Richard (1998-2015)
Professor Emeritus, Fine Arts and Media Technology

Whitt, Terri (1976-2010)
Professor Emeritus, Health Sciences and Human Services

Williams, William M. (1968-1993)
Dean Emeritus, Social and Behavioral Sciences

Wilson, Richard C. (1978-2003)
Professor Emeritus, Health Sciences and Human Services

Wolff, Michele (1999-2026)
Professor Emeritus, Nursing

Woodward, Kenneth G., Jr. (1986-2017)
Professor Emeritus, Social and Behavioral Sciences

Wright, James R. (1994-2012)
Dean Emeritus, Mathematics, Science and Engineering

Wrightsman, Ruth A. (1988-2006)
Professor Emeritus, Mathematics, Science and Engineering

Yates, James D. (1980-2002)
Professor Emeritus, Business Science

Zakrzewski, Danuta (1981-2011)
Professor Emeritus, Health Sciences and Human Services

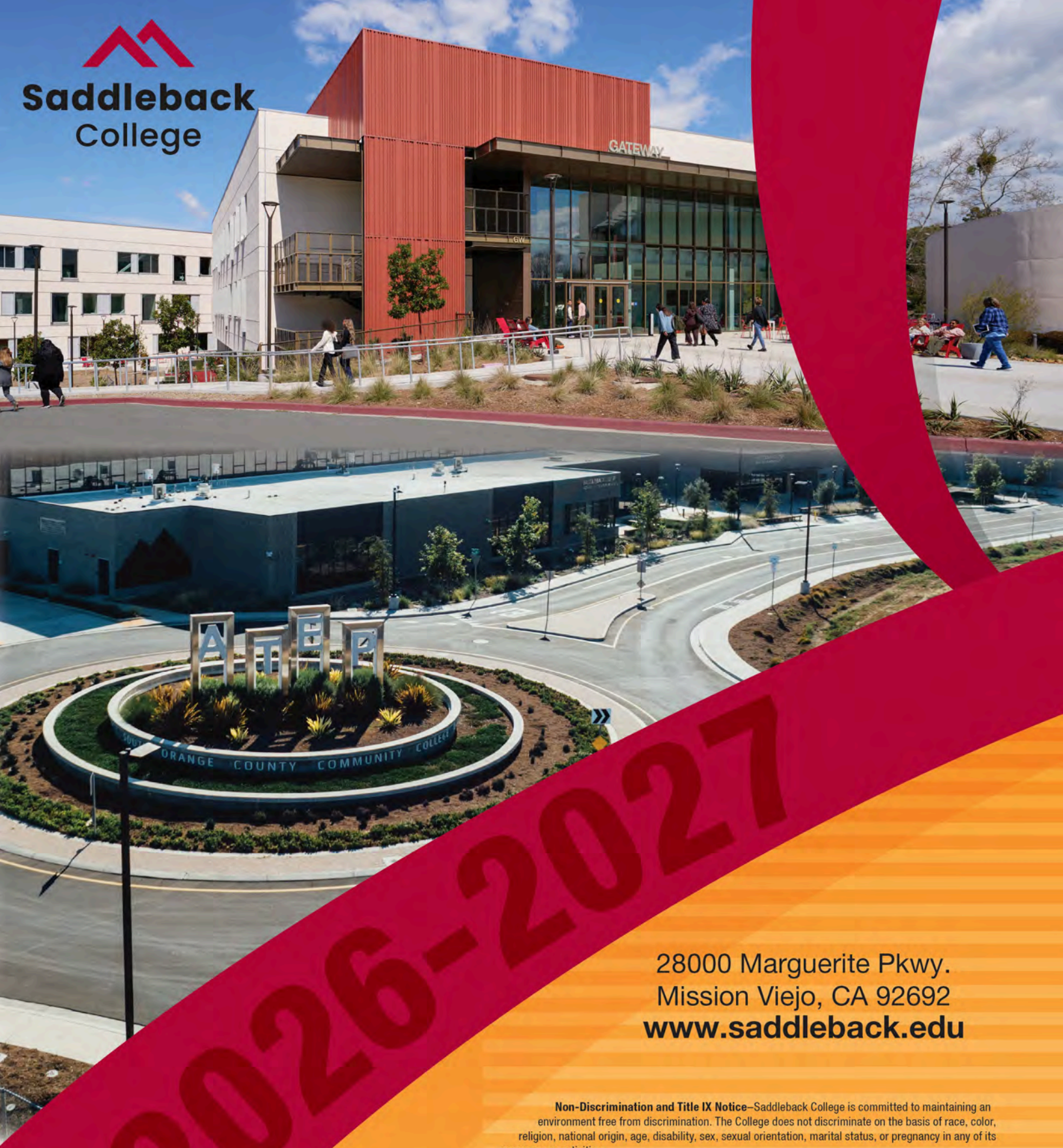
Zevnik, Barbara (1981-1989)
Professor Emeritus, Health Sciences and Human Services

Ziehm, Carol (1999-2018)
Professor Emeritus, Health Sciences and Human Services

Zimbalist, Donald R. (1975-1997)
Professor Emeritus, Liberal Arts

Associate Faculty

Saddleback College has, in addition to the regular full-time contract faculty, many qualified associate instructors who come from industry, business and other educational institutions. This produces a faculty with many talents to support a diversified program of offerings requested and expected of the community college.



2026-2027

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