Top 10 Reasons Students Choose College of the Siskiyous

1. A beautiful location
Located at the base of Mt Shasta, our campus and surrounding area are breathtaking. With our distinct seasons, you can enjoy an abundance of outdoor recreational activities throughout the year!

2. Graduation and Transfer Rates
COS has a 7.61% higher degree completion and transfer rate than the state average. Transfer rates, specifically, are significantly higher (20%).

3. Great academic and career programs
We offer exceptional transfer and career programs in administration of justice, business, fire, language arts, music, nursing, paramedic/EMT, sciences, social sciences, theatre arts, and welding, just to name a few.

4. Small campus and class sizes
Don’t be just another face in the crowd! At COS, our size allows for greater individual attention from instructors and staff.

5. A faculty and staff that care
We have a very knowledgeable and experienced faculty and staff. You will find a smile and a helpful attitude whether you are in an office or walking across campus. We know our students and care about their success.

6. Convenient on-campus housing
We offer on-campus student lodges complete with meal plan options - it saves transportation cost, travel time and provides students an opportunity to enjoy a complete college and community experience.

7. Great support programs
Focusing on student success, we offer a wide variety of support services which provide individualized guidance and assistance to students. COS also offers tutoring, an academic success center, and student success seminars free to all enrolled students.

8. Highly competitive athletic programs
College of the Siskiyous boasts conference championships and state level competition in both men’s and women’s intercollegiate sports programs. These programs include baseball, basketball, football, softball, track, and volleyball, with a planned expansion into men’s and women’s soccer.

9. A safe environment
We offer an exceptionally safe learning and living environment for our students.

10. Free Parking
COS offers free parking for everyone. Parking lots are conveniently located close to your classes and important offices.

Getting to the College of the Siskiyous

WEED CAMPUS:
From South I-5:
• Take the central Weed off ramp
• Left turn on to South Weed Blvd.
• Right turn on to College Ave.

From North I-5:
• Take the third Weed off ramp
• Turn right on Moonlit Oaks Drive
• Cross through traffic light
• Follow right turn in road to 2001 Campus Drive

YREKA CAMPUS:
From South I-5:
• Take first Yreka off ramp
• Left turn on Moonlit Oaks Drive
• Cross through traffic light
• Follow right to Campus Drive

From North I-5:
• Take the third Yreka off ramp
• Turn right on Moonlit Oaks Drive
• Cross through traffic light
• Follow right turn in road to 2001 Campus Drive
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Message from the President

SCOTTY THOMASON
Superintendent/President

Bachelors of Science in Business Administration; Masters of Arts in Business Administration, California State University Fresno, Fresno, CA. COS 2012.

Thank you for your interest in College of the Siskiyous. We are proud of our commitment to excellence and the variety of programs and services we offer our students. In the pages of this catalog you will find information on courses, certificates, and degrees that will prepare you for employment, retool your skills, transfer to a four-year institute, or help you become a life-long learner.

College of the Siskiyous, however, is more than just degrees and certificates. We are known for an excellent, dynamic faculty, a professional and caring staff, and an environment that provides a beautiful space to learn and grow. Whether you choose to attend our Weed or Yreka campuses, participate in videoconference courses at various locations around Siskiyou County or take classes online, we will work hard to ensure your academic and personal success. I hope you will call or e-mail us if you have any questions about the information in this catalog or if we can help you in any way.

Board of Trustees

PENNY HEILMAN, Trustee Area I: Dunsmuir, McCloud, Castella, 1994-2018

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ALAN DYAR, Trustee Area VII: Bogus, Fall Creek, Happy Camp Union, Hornbrook, Junction, Klamath River, Seiad, 1997-2018
Mission, Vision, Values, and Institutional Goals

Mission
College of the Siskiyous promotes learning and provides academic excellence for today's global students through accessible, flexible, affordable, and innovative education leading to associate degrees, certificates, university transfer, career and technical education, workforce training, and basic skills preparation.

College of the Siskiyous (COS)
A Vision of the Community's College

College of the Siskiyous is a proud member of the California Community College system. Our vision is to be the first choice for higher education in the communities we serve and beyond. We are the provider of

- Rigorous and comprehensive transfer programs
- General education programs
- Technological literacy
- Basic skills acquisition
- Workforce training and certification
- Career and technical education

all of which drive and support the economy of our region.

We are the support team who increases student access, encourages success, and improves retention, persistence, and completion.

Institutional Goals

Goal #1:
Promote and support goal completion for all students.

Goal #2:
Sustain institutional health and vitality to meet the needs of the community.

Goal #3:
Evaluate institutional effectiveness for continuous improvement.

Core Values

- Integrity – Our decisions and actions reflect honesty, trust, and respect for all.
- Excellence – Our decisions and actions reflect our commitment to accountability, innovation, and learning.
- Openness – Our decisions and actions reflect open-minded transparent dialogue.

About College of the Siskiyous

Established in 1957, College of the Siskiyous is one of 112 publicly-funded California community colleges. Classes began September 10, 1959 with 67 students and only three campus buildings. Since that humble beginning, College of the Siskiyous (COS) has greatly expanded its programs, services, and facilities.

In 2010 College of the Siskiyous was named the most beautiful community college campus in America by BestCollegesOnline.com. The College is located at the base of majestic Mount Shasta (elevation 14,162 feet) in northern California. Its 250-acre primary campus is centered in the historic lumber town of Weed, named after its founder Abner Weed, and is easily accessible from Interstate 5 and Highway 97. The main campus offers numerous associate degree and certificate programs in the arts, athletics, humanities, sciences, mathematics as well as career and technical programs in business/computer science, EMS-Paramedic, Fire, and Welding, to name but a few. College of the Siskiyous provides access to academic counseling, academic assessment, library services and resources, career counseling, personal counseling, financial aid assistance, Disabled Students Programs and Services (DSPS), Extended Opportunity Programs and Services (EOPS), Student Support Services (SSS), textbook sales and buy backs, and tutoring services. COS is also one of only eleven community colleges in California to offer students on-campus housing.

In addition to its primary campus, COS operates a second campus in Yreka, 30 miles north of Weed, which is the site of the Rural Health Sciences Institute (RHSI) and the Administration of Justice Program Training Center. In Yreka, a variety of transfer, general education, vocational, continuing education, distance education, and community service classes are available. Providing similar services to the main campus, complete registration services are also available in Yreka. Yreka facilities also include a computer lab with full Internet access, general purpose classrooms, multiple classrooms with videoconferencing capabilities, the Law Enforcement Training Center with a firearms training simulator classroom, fully-equipped physical education room, and the Rural Health Sciences Institute which houses the College's nursing programs.
College of the Siskiyous is widely recognized for its excellent programs in the humanities and arts, the sciences and technology, and in athletics. Over the years, COS students have gone on to achieve success in music, drama, science, fire technology, nursing, and athletics. Weed Campus facilities include a 562-seat theater, a television studio, gymnasium and other sports facilities, a distance learning facility, a spacious library, science complex, vocational education labs, fire tower and tactical training center, and an emergency services training center in addition to general purpose classrooms. The exceptional setting, a natural environment of mountains, forests, lakes, and streams, serves as an outdoor workshop for many classes such as art, geology, the life sciences, and physical and recreational education.

Opportunities for outdoor recreation and sports abound: disc golf, hiking, camping, running, swimming, bicycle touring and mountain biking, rock and mountain climbing, hunting, fishing, and boating. Rafting and kayaking on nearby whitewater rivers such as the Klamath, McCloud, and Sacramento are special attractions. In the winter, there is superb downhill and cross-country skiing, and snowboarding on beautiful Mount Shasta or Mount Ashland to the north.

Our students repeatedly express their feelings regarding their experience at College of the Siskiyous in terms of the warmth and friendliness of the faculty and staff, the availability of quality instruction in a caring atmosphere, and their level of preparedness for life beyond COS.

**Academic Freedom Statement**

www.siskiyous.edu/policies/academic/bp4030.pdf

The Siskiyou Joint Community College District believes that academic freedom is fundamental and essential to the teaching profession and as such has adopted a policy (BP 4030) which defines academic freedom and delineates the responsibilities associated with it.

**Accreditation**

www.siskiyous.edu/accreditation

College of the Siskiyous is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges (10 Commercial Blvd, Novato, CA 94949; 415.506.0234), a regional institutional accrediting body recognized by the Commission of Recognition of Post-Secondary Accreditation and the U.S. Department of Education.

College of the Siskiyous is approved by the Board of Governors of the California Community Colleges. Courses are accepted by the California State University and the University of California. Please refer to individual course listings for specific information.

The Administration of Justice Reserve Peace Officer Programs for PC 832, Level III, and Level II are accredited by the California Commission on Peace Officer Standards and Training (POST)\(^a\).

The Alcohol Drug/Human Services Program is accredited by the California Association of Alcoholism and Drug Abuse Counselors.

The Fire/Emergency Response Technology Program is approved by the California State Board of Fire Services as an accredited regional academy for the State Fire Marshal’s Office of the California Department of Forestry and Fire Protection.

The Emergency Medical Services – Paramedic program is accredited by the Commission on the Accreditation of Allied Health Educational Programs (CAAHEP) in accordance with Title 22 requirements.

The Licensed Vocational Nursing (LVN) program is approved by the State of California Board of Vocational Nurse and Psychiatric Technician Examiners. The Registered Nursing (LVN to RN Step-up) program is approved by the State of California Board of Registered Nursing. The Certified Nursing Assistant Program (CAN), also called the Nurse Assistant Training Program for certification of nursing assistants, is approved by the California Department of Public Health.

**Distance Education**

www.siskiyous.edu/distancelearning

College of the Siskiyous offers courses online and via videoconferencing to reach students in outlying areas of Siskiyou County and to provide more flexibility and accessibility for all students. Courses offered via distance learning are subject to the same rigorous evaluation as on-campus courses.

Online courses can be taken using any Internet-connected computer, and are an alternative for those living at a distance from the campus or those unable to be on campus during regular class hours. Videoconferencing connects several regional classrooms in Siskiyou County to COS campuses, offering real-time interactive learning to students in outlying communities. Hybrid courses mix online and classroom modes.

Additionally, the College provides a wide range of online and phone support services to assist all students.
Navigator: Steps to Success

www.siskiyous.edu/navigator/gettingstarted.htm

Navigator is the College of the Siskiyous (COS) portal available to assist you in being a successful college student. Along with providing centralized access via the Navigator portal, key COS student services are provided within to aid in your educational experience.

With Navigator, you can perform tasks any time online including:

• Search for open classes
• Register for classes & Pay your bill
• View your student account information
• View your financial aid information
• View your class schedule and receipt
• Review your unofficial transcript & order official transcripts
• View your progress report
• View assessment scores

Step One: Apply to Attend College of the Siskiyous

Prospective students must complete an application to attend. Go to the COS home page (www.siskiyous.edu), click on “Apply Now”, and then follow the instructions. If you have attended other colleges, send college transcripts from all previous institutions to the COS Enrollment Services Office. If you are planning to take courses for personal enrichment only, and do not require financial aid, you may skip to Step 5 after you complete your application to attend.

Full time admission to College of the Siskiyous is open to:
• Anyone who has graduated from high school or has passed the California High School Proficiency or GED.
• Anyone who is at least 18 years old and is not currently affiliated with a high school.

Step Two: Apply for Financial Aid and Housing

Financial Aid - Every student, regardless of income, who intends to complete a degree, certificate, or transfer to a four-year college or university, should complete the FAFSA (the Free Application for Federal Student Aid) and add College of the Siskiyous (School Code: 001187) to your list of receiving schools. Completion of your FAFSA may qualify you for a Board of Governors waiver (BOGW) of registration fees, grants, scholarships, on-campus work-study jobs, and/or low interest student loans.

Not all types of financial aid are based on financial need, but every type of financial aid does require students to complete the FAFSA. Many students incorrectly assume they are not eligible when, in fact, they are. You cannot know for sure unless you apply!

There will be other items required to complete your financial aid application file. Once you have a Navigator account, you must regularly check the progress of your financial aid application file using your Navigator account.

Step Three: Complete the Math, Reading, and Writing Assessments

To determine which classes are appropriate for you, you must complete the required assessments in math, reading, and writing. Assessment services are available at the COS Weed campus or Yreka center, at local high schools, or at other community colleges throughout the country. Call 530.938.5297 (Weed) or 530.841.5550 (Yreka) to schedule your assessment. If you take them at another college, please have the scores faxed to 530.938.5531.

Step Four: Attend a SOAR Session: Siskiyous Orientation, Advising, and Registration

All new students who plan to earn a degree, certificate, or transfer must attend a pre-registration orientation and advising session or complete the free online SOAR course before enrolling in classes. Counselors and advisors at these sessions will help you begin a successful college career by assisting you in selecting classes and beginning an education plan.

Step Five: Register & Pay for Classes

After completing SOAR, or if you are taking classes for personal enrichment only, you are now ready to register for classes. You can register online using Navigator or in person at the Weed campus and Yreka center. Remember to pay for your classes or you may be dropped.

Step Six: Use Follow-up and Support Services

After the semester begins, stop by the Counseling and Support Services office to schedule an appointment and meet with a counselor or advisor to develop or refine your education plan to most effectively and efficiently meet your academic, career, and personal goals.

Note: Students may challenge enrollment requirements by completing a waiver with Counseling and Support Services. If the matter is not resolved, it may be appealed to the College President. Students who believe they have been the victim of unlawful discrimination as it relates to the implementation of Navigator may file a complaint with the President. Procedures regarding such complaints are published in the Student Handbook.

If you are having trouble accessing Navigator or other online services, visit our Getting Started with Navigator page (www.siskiyous.edu/navigator/gettingstarted.htm) or call or email the Student Help Desk. 530.938.5523 or navigatorhelp@siskiyous.edu.

For detailed information on all the financial aid programs and services available, go to www.siskiyous.edu/financialaid.

Housing - The College of the Siskiyous offers on-campus housing complete with a meal plan through on-campus dining. If you need a convenient, safe, and friendly place to live while attending COS, apply to live in the COS Lodges. Applications are available online at www.siskiyous.edu/lodges and in the housing office on the Weed campus. Apply early, space is limited.
General Information

Application Process
www.siskiyous.edu/apply

To enroll at College of the Siskiyous, you must file an application for admission. You can apply online at www.siskiyous.edu
1. Select the Navigator icon
2. Select “Apply for Admission”
3. Complete all the questions and submit. You will receive an eight digit Student ID number beginning with “S000---”.
4. You should receive an email confirmation letter with your username by the following business day.

Assessment
www.siskiyous.edu/counseling/assessment

The College of the Siskiyous assessment instrument is the ACT COMPASS. Assessment is by appointment only. Call 530.938.5297 to schedule at the Weed campus and 530.841.5833 to schedule at the Yreka campus. The entire COMPASS assessment takes approximately two hours to complete and assesses your math, writing and reading skill level. Your results are available immediately after you have finished. The results do not affect your eligibility for admission; they are used only to recommend appropriate classes. Before you take the assessment, you may want to refresh your skills. The COS website has sample questions and information you can use to prepare for the COMPASS assessment.

You will need your COS student ID (“S000---”) and picture identification. If you need disability related accommodations to take the assessment, contact the Disabled Students Programs and Services (DSPS) office at 530.938.5297. Please allow at least three business days for coordination of accommodations.

You may be exempt from assessment services if you have an associate degree or higher, have received a full array of matriculation services at another California Community College within the past year, or have a goal of personal enrichment and are only taking personal enrichment courses.

Non-COS Assessments
You can take the assessment at another community college. If so, please check with their assessment center to find out what you will need. After taking the assessment, submit the results in any of the following ways: fax to 530.938.5531, email to counselingservices@siskiyous.edu, or mail to the COS Assessment Office, 800 College Ave, Weed CA, 96094.

Associated Student Board Card (Eagle Card)
www.siskiyous.edu/organizations/asp/eaglecard.htm

This card is optional for students in non-credit courses and may be purchased at the time of registration or anytime during the semester. Please visit the Associated Student Board (ASB) Office at the Weed Campus to obtain a card (picture I.D. required). ASB card benefits include:
- Discounts at COS athletic events
- Discounts on COS theatre productions
- Discounts at participating local businesses (Check online for list of participating merchants)
- Eligibility for free limited legal consultation services
- Eligibility for campus club memberships

Audit Policy
www.siskiyous.edu/procedures/academic/AP4070.pdf

Under certain conditions, COS will allow students to audit classes. These conditions include:
- A student wishing to audit a course will only be allowed to register for the course after the first week of a full-semester class, or after the first class meeting, if short-term. Auditing will only be allowed if the minimum class size has been reached. Priority for enrollment shall be given to students desiring to take the class for credit. Instructors have the authority to allow over-enrollment in their class to accommodate auditors.
- The instructor must approve any student wishing to audit a class.
- A student wishing to audit a class must have exhausted the repeatability allowed for the class. See the individual course descriptions in this catalog for details.
- A student auditing a class must participate fully in class activities.
- The instructor is not obligated to grade assignments of auditors.
- A student auditing a class shall not be permitted to change their enrollment to receive credit for the class.
- Audited classes will not appear on the academic transcript.

The fee for auditing is $15 per unit. Additionally, the health fee, material fees (if applicable), the student representation fee, and the student center fee apply and are due at the time of registration.

Applications to audit a class may be obtained in the Enrollment Services Office, the Counseling and Support Services Office, or online.

Cancellation of Classes
The College reserves the right to cancel classes due to insufficient enrollment, inability to assign a qualified instructor, or for other circumstances unforeseen at the time the Schedule of Classes was published. In the event a class is cancelled, Counseling and Support Services is available to help students register in other classes consistent with their interests and goals.

Census Day and Late Add Policy
www.siskiyous.edu/procedures/services/AP5075.pdf

Forms and additional information regarding the Late Add policy are available in the Enrollment Services Office and the Counseling and Support Services Office. Please follow the guidelines below regarding the census day and the Late Add Policy:
- Census Day is the date when COS reports enrollment to the state. Census Day at College of the Siskiyous is the fourth Monday of classes in the Fall and Spring semesters and at the end of the first 20% of the course for late start and summer term classes.
- Students may not enroll in a class on or after census date without the instructor certifying that the student has been attending class since prior to the census date.
- COS will not approve any late add requests without written attendance confirmation from the instructor.
General Information

Change of Student Information
Any change of a student’s information including name, address, major, or residence should be submitted to the Enrollment Services Office. Name changes require legal documentation.

Class Conflict/Overlapping Classes
State law prohibits students from enrolling in courses that meet at the same time. Should a slight time conflict occur, an approved Overlapping Class Permit must be submitted by the student in order to register. Permits are available in the Counseling and Support Services Office or the Enrollment Services Office and must be approved by the instructor of the class affected and the appropriate Dean.

English/ESL Limitations
Students may apply only one English or ESL course below transferable freshman composition toward the associate degree. More information on English and ESL course limitations can be obtained by contacting the Counseling and Support Services Office at 530.938.5353.

Enrollment Fee, Non-Resident Tuition, and other Fees
www.siskiyous.edu/apply/fees.htm

*Note: All tuition and fees listed in this catalog are as of the date of the publication, and are subject to change. For the most up-to-date tuition and fees information, please check online.

All students, California residents and non-residents, are required to pay an enrollment fee and, if applicable, non-resident tuition as well as other fees listed below.

Enrollment Fee
1 unit or more ........................................ $46 per unit
.5 unit ....................................................... $23

Non-Resident Tuition in addition to Enrollment Fee
1 unit or more ........................................ $210 per unit
.5 unit ....................................................... $105

The non-resident tuition fee shall be paid at the time of registration and is set by the Governing Board of College of the Siskiyous no later than January 1 of each year. Fees are subject to change on an annual basis.

Non-Resident Tuition Exemption
Effective January 1, 2002, AB540 provides an exemption from paying non-resident fees for certain non-resident students. While this exemption allows students to pay resident fees, it does not grant them resident status that would give them eligibility for any state-funded program. To be eligible for this exemption a student must meet both of the following criteria:
1. Attendance at a high school in California for three or more years.
2. Graduation or attainment of a high school equivalency from a California high school. A high school transcript is required.

For more information on AB540, contact the Enrollment Services Office.

Dream Act
California Dream Act (AB 540 eligible) students are exempt from paying non-resident enrollment fees if they meet all of the following criteria:

- Attended a California high school for at least three years;
- Graduated from a California high school, got a GED or passed the California High School Proficiency Exam;
- Are registered or enrolled at a California community college;

and

Completed an affidavit verifying filing (or pending eligibility to file) for legal immigration status

Contact Enrollment Services at 530.938.5500 for more information.

Oregon Exchange Waiver
College of the Siskiyous has an interstate exchange agreement with Southern Oregon University (SOU) and Oregon Institute of Technology (OIT). The agreement allows qualified Oregon residents to receive reduced tuition rates at College of the Siskiyous.

In exchange, California residents may attend Southern Oregon University or Oregon Institute of Technology at the in-state rate. For more information on this special program, please contact the Enrollment Services Office at 530.938.5500.

Health Fee
Fall/Spring Semester & Summer Session
0 to 11.5 units ......................................................... $16
12 units or more ....................................................... $19

The mandatory health fee is collected to cover the cost of student accident insurance and to help fund the operational expenses of the Student Health Center. Students may be exempted for the following reasons:

- Students who depend exclusively upon prayer for healing according to the teaching of a bona fide religious sect, denomination, or organization may petition for exemption from the health fee. See Enrollment Services for more information.

Student Representation Fee
The Student Representation Fee is a mandatory $1 per semester fee. The money collected from this fee is used to provide support for student representatives who may be stating their positions and viewpoints before city, county, and district government, and before offices and agencies of the state and federal government. This support is broadly defined, including payment for conference attendance, equipment used for lobbying/advocacy, subscriptions to newspapers/magazines, etc. The money collected from this fee is available for students to apply to use for the above purposes. Applications are available at the ASB Office. Students may petition to waive this fee for religious, political, financial, or moral reasons. Petition to waive this fee is available in the Enrollment Services Office or online.
Employment programs:

College of the Siskiyous currently offers the following Gainful Employment Programs are those programs that prepare students for gainful employment in a recognized occupation. The U.S. Department of Education requires that colleges disclose information about these programs. The Department of Education also suggests that students visit O*NET at www.onetonline.org for information about these programs. The Department of Education requires that colleges disclose Gainful Employment Programs are those programs that prepare

Gainful Employment Programs www.siskiyous.edu/apply/gainfulemployment.htm

Gainful Employment Programs are those programs that prepare students for gainful employment in a recognized occupation. The U.S. Department of Education requires that colleges disclose information about these programs. The Department of Education also suggests that students visit O*NET at www.onetonline.org for more information on occupations.

College of the Siskiyous currently offers the following Gainful Employment programs:

- Accounting
- Alcohol and Drug/Human Services
- Business - Administrative Assistant
- Emergency Medical Services - Paramedic
- Environmental Resources - Power Generation Technology
- Environmental Resources - Sustainable Communities
- Firefighter Academy
- Nursing - LVN
- Welding - Basic Level
- Welding - Advanced Level

Housing

www.siskiyous.edu/lodges

Going to college is a new experience, and often involves a new place to live. Excellent choices for many students are the Ponderosa and Juniper Lodges. Decide early what housing and meal options you'll be choosing. Options become more limited closer to the beginning of the semester.

If you choose to live on campus, Ponderosa or Juniper Lodges provide an excellent way to focus your time and energy while attending College of the Siskiyous. Our friendly staff will help eliminate many of the concerns faced by students living off campus. To reserve a space in our lodges, contact the Student Housing Office at 530.938.5237 or check us out online.

International Students

www.siskiyous.edu/international

College of the Siskiyous encourages enrollment of students from other countries who have the academic background and potential to succeed in college.

To be considered for admission, a prospective international student must file an application no later than June 1 for the fall semester, or November 1 for the spring semester, and must provide the following documents translated into English:

- Original TOEFL scores
- Application fee
- Official copies of transcripts (translated to English if needed) from all schools attended
- Copies of all previously issued I-20 forms
- Recent tuberculosis test results within a year
- Validated proof of financial responsibility

An international student with an F-1 Student Visa status must:

- Take the College of the Siskiyous math, reading, and writing assessment. Assessment results will be used in placing students in the appropriate class levels.
- Enroll each semester and complete a minimum of 12 units with a minimum 2.0 grade point average to maintain F-1 student visa status.
- Maintain satisfactory progress toward an educational goal aimed at completion of an associate degree.
- Obtain approval of Vice President of Academic Affairs, before adding or dropping a class.
- Visa and I-20 must be valid at least six months ahead of the expiration date at all times.
- Comply with all U.S. Immigration and Customs Enforcement (ICE) and COS requirements.

Financial resources are important for the international student because financial aid and scholarships are not available from College of the Siskiyous. Each international student must:

- Submit a complete financial statement indicating the student’s ability to finance the year's education.
- Pay the non-resident tuition and other fees as required at registration.
- Purchase medical insurance each semester from a COS selected provider.
General Information

International students are subject to the same academic standards for grading, probation, and dismissal as all other students. Upon acceptance of admission to College of the Siskiyous, a U.S. Immigration and Naturalization Service (INS) I-20 Form will be issued to enable the student to apply for the F-1 Student Visa. Under special circumstances, persons in the United States on business may attend College of the Siskiyous during their stay; however, they are not eligible for the I-20 Form to be issued by this institution.

Prerequisites, Corequisites, and Advisories
www.siskiyous.edu/policies/academic/bp4260.pdf

Prerequisites are requirements that a student must have to be eligible to enroll in certain courses. For example, you must complete MATH 0980 – Intermediate Algebra to be eligible for MATH 1050 – Elementary Statistics. When a course is listed as a prerequisite, the course must have been completed prior with a grade of “C” or better. When “qualification through assessment” is listed as a prerequisite, an assessment of your skills is made using multiple measures. The multiple measures will include completion of the COMPASS math and writing/reading assessment, as well as other measures of your readiness to successfully complete the course with the prerequisite. Some courses, such as music, may require instructor approval or an audition to meet the prerequisite.

Corequisites are courses that a student is required to take concurrently in order to enroll in a particular course.

Advisories are recommended preparation that a student is advised, but not required to complete in order to improve their opportunity for success in a course. For example, HIST 1017 – U.S History has ENGL 1001 – College Composition as an advisory that is recommended to be completed prior to enrolling in HIST 1017.

Prerequisite Challenge Process
www.siskiyous.edu/procedures/academic/AP4260.pdf

Challenges to prerequisites, corequisites, and limitations on enrollment are permitted. A challenge may be filed by a student under any of the following grounds:

- Those grounds for challenge specified in Title 5, Section 55003(m);
- The student seeks to enroll and has not been allowed to enroll due to a limitation on enrollment established for a course that involves intercollegiate competition or public performance, or one or more of the courses for which enrollment has been limited to a cohort of students. The student shall be allowed to enroll in such a course if otherwise he or she would be delayed by a semester or more in attaining the degree or certificate specified in his or her educational plan;
- The student seeks to enroll in a course that has a prerequisite established to protect health and safety, and the student demonstrates that he or she does not pose a threat to himself or herself or others;
- The student has the obligation to provide satisfactory evidence that the challenge should be upheld. However, where facts essential to a determination of whether the student’s challenge should be upheld or ought to be in the college’s own records, then the college has the obligation to produce that information.

A challenge to prerequisites, corequisites, or limitations on enrollment should be submitted by the student immediately upon learning that he/she does not satisfy stated entrance requirements for a particular class or program. The challenge petition form is available online and from Counseling and Support Services. Challenge requests will be reviewed according to College Procedure AP 4260 – Prerequisites, Corequisites, Advisories, and Other Limitations on Enrollment. For additional information, please contact the Counseling and Support Services Office at 530.938.5353.

Refunds
www.siskiyous.edu/apply/fees.htm

It is the responsibility of the student to officially withdraw from class to be eligible for a refund. Students eligible for a fee refund will have their refund generated automatically. Fee refunds will be mailed and may take up to four weeks. No refund will be issued after the refund date including Medical Withdraw or Special Circumstance withdraws. Administrative Procedures AP 5020, AP 5031 state that requests for refunds may be honored under the following conditions:

Enrollment Fee*

Enrollment Fee refunds shall be authorized up until and including the first two weeks of instruction for full-semester courses or 10 percent of the course for short-term, late starting classes.

Health Fee*

Health Fee refunds shall be authorized prior to the opening of classes. No Health Fee refunds shall be authorized for program changes made on or after the first day of classes unless the program change is a result of action by the College to cancel or re-schedule a class.

Cancelled Classes

If a class is cancelled by the College, all fees pertaining to that class will be returned to the student.

Students Called to Active Military Service

In the case of students who are members of an active or reserve military service and who receive orders compelling a withdrawal from courses, a full refund of the enrollment fee, the health fee, and non-resident tuition, if applicable, shall be given. In addition, such students residing in the residence halls shall be provided a full refund for all remaining residence hall room and cafeteria services not utilized as a result of such orders.

*Out-of-State Tuition and Oregon Exchange Permit Students:

- Prior to the beginning of Semester: 100 percent
- 1st Week: 100 percent
- 2nd Week: 75 percent
- 3rd Week: 50 percent
- 4th Week: 25 percent
- After 4th week: no refund

Fees for Community Education courses shall be refunded only if students withdraw before the start of the class or if the class is cancelled.
Please Note: Students who are dropped by the instructor at Census as “No Shows” are not entitled to a refund based on Title V refund regulations.

**Appeal Process**

Students may appeal the refund policy in extenuating circumstances. An extenuating circumstance is defined as cases of illness, accident, or other circumstances beyond your control. Student’s wishing to appeal will complete an Appeal for a Refund to the Enrollment Services Office stating their situation and under what conditions they believe a refund is in order. The refund appeal committee will review all appeals and any other party concern to make the final decision.

- No appeals will be viewed after one year.
- Appeal letter will be received by the registrar who will gather information from the instructor and documentation pertaining to the appeal.
- Registrar will submit recommendations based on this information to the Business Office to review.
- An agreement will be made based on documentation and input from all departments concerned.
- Student will receive a letter stating decision made by the appeal committee.
- All decisions of the appeal committee are final.

For more fee/refund information, go to the fee/refund page online or contact the Enrollment Services Office at 530.938.5500.

**Remedial Coursework Limitation**

[www.siskiyous.edu/procedures/academic/AP4222.pdf](http://www.siskiyous.edu/procedures/academic/AP4222.pdf)

Students can earn no more than 30 semester units of credit for remedial coursework (Title 5, Section 55035). English as a Second Language (ESL) and learning disabled students are exempted from this limit. More information about course limitations and a waiver of this limitation clause can be obtained online or by contacting the Counseling and Support Services Office at 530.938.5353.

**Repetition of Courses**

[www.siskiyous.edu/procedures/academic/AP4225.pdf](http://www.siskiyous.edu/procedures/academic/AP4225.pdf)

Students wishing to repeat courses already taken must petition to do so by completing the Course Repeat Request Form available in the Enrollment Services Office or the Counseling and Support Services Office. In cases of repeated courses, all grades will remain on the transcript. The course repeated must be the same course in which the student was originally enrolled. The Enrollment Services Office will determine if a petition is needed on a course-by-course basis. Petitions to repeat will be considered based on the California regulation on enrollment limitations, namely the “Three-enrollment Rule”:

- Students may enroll in the same course a maximum of three times, or until a non-substandard grade is achieved.
- An “enrollment” is any attempt to pass a course in which a grade symbol, including “W,” is earned.
- When a student attempts to register for a class a third time, the student must obtain an Enrollment Limit Petition from Counseling and Support Services and submit it to Enrollment Services when registering for the class. The credit and grade points earned from the repeated course may not count in the student’s cumulative GPA.
- After three enrollments, a student may only request to audit a course.
- The new enrollment rule applies retroactively to students’ COS enrollment history. There is no exemption from the new “Three-enrollment Rule” for students who already have three enrollments. Students may enroll in a different community college district after three enrollments at COS; the “Three-enrollment Rule” currently only applies to three enrollments in the same community college district. However, students should be aware that this rule may be applied differently by other colleges.
- This is a deliberate action by the State of California to reduce the amount of state funding being spent on multiple enrollments in the same course. Students are strongly encouraged to do their very best to succeed in every class they attempt and to not take withdrawal lightly.

In cases of repeated courses, all grades will remain on the transcript. Certain activity courses may be repeated for credit up to a maximum of three times. Check the individual course descriptions in this catalog for course repeatability information.

Students may use equivalent course work from an accredited college or university to replace a COS course in which substandard work was recorded. For more information on repetition of courses, contact the Enrollment Services Office.

**Residency Requirements**

[www.siskiyous.edu/apply/residency.htm](http://www.siskiyous.edu/apply/residency.htm)

The California Education Code states that all public institutions of higher education shall apply uniform rules in determining a student’s residency classification. Each student applying for admission to College of the Siskiyous will, therefore, be classified as a resident or non-resident of California in accordance with the Education Code. Each student shall provide such information and evidence of residency as deemed necessary. The day immediately preceding the first day of instruction for the semester shall be the residency determination date for the fall and spring semesters. The day immediately proceeding the first day of instruction shall be the residency determination date for all summer sessions.

**Resident**

An applicant who has documentation of at least one full year of continuous legal residency in California immediately prior to the residency determination date for the semester or summer session for which he/she seeks admission. The applicant must also prove that he/she intends to make California his/her permanent home.

**Non-resident**

An applicant who has not maintained a full year of continuous legal residency in California immediately prior to the residency determination date for the semester or summer session for which he/she seeks admission.

**Establishing Residency**

In order to establish California residency, a student must first be a citizen of the United States, a permanent resident or an applicant for permanent residency, or on visa status that does not preclude him/her from establishing domicile in the United States. It is...
General Information

necessary that there be both "act" and intent. The act necessary to establish legal residency is physical presence of one year in California. While intent may be subjective, there are many possible indications of one's intent to maintain legal residency in California. It is the responsibility of the applicant to furnish information and evidence of both physical presence and intent, as requested by the Enrollment Services Office. Information on establishing residency is available online.

Statutes
The statutes regarding residency determination are found in Sections 68000-68090 and 76140 of the California Education Code, Sections 54000-54082 of the California Administrative Code, and College of the Siskiyou District Board Policy. These regulations are available in the Enrollment Services Office and are subject to the interpretation of the College.

SOAR Session: Siskiyou Orientation, Advising, and Registration
www.siskiyous.edu/counseling/orientation

Schedule an appointment for orientation and advising in the Counseling and Support Services Office. Students should attend a SOAR session after taking the Math, English and Reading assessment and receiving assessment results but before registering for classes. SOAR sessions are required for new students and students who are returning after a two-year absence and plan to earn a degree, certificate or transfer. The SOAR sessions will last approximately four hours during which students will learn about general policy and procedure, tour the campus, and counselors and/or advisors will assist students in selecting and registering for classes. It is highly recommended that students attend a SOAR session in person, however online SOAR sessions are available for special circumstances. Additional information on SOAR is available on the COS website

Special Admission for K-12 Students
www.siskiyous.edu/apply/k12.htm

California Education Code Sections 48800-48002, and 76000-76002 allow Community Colleges to admit special part-time K-12 students who do not have a high school diploma or have not passed the California High School Proficiency or GED examinations. The intent of the Education Code is “to provide educational enrichment opportunities for a limited number of eligible pupils, rather than to reduce current course requirements of elementary and secondary schools.” (Ed. Code 48800) See AP 5011 for details. The K-12 Special Admission Permit form is located on the back of the Enrollment/Registration form. K-12 Special Admits are not allowed to register for any PEFI, PEAC, or PEMA courses. K-12 Special Admit students are allowed to register for a maximum of 11 units total. K-12 Special Admit students who do not meet the required criteria may be dropped from unqualified courses. For more information, contact Counseling and Support Services Office at 530.938.5353 or online.

Student Access Card
www.siskiyous.edu/organizations/asb/eaglecard.htm

This card is available to all students who pay for units at college of the Siskiyou. This card is provided free as a benefit of the student center fee each student pays during registration. Students should call or stop by the Associated Student Board (ASB) office at the Weed campus to make arrangement to have their Student Access Card printed or updated for each semester. Benefits of the Student Access Card include those of the Eagle Card and more.

Transcripts
www.siskiyous.edu/apply/transcripts.htm

Students who wish to obtain an official copy of their transcript can do so by picking up the transcript request form at Enrollment Services, downloading the form online, or submitting the form online through Navigator. The first two official copies are free and; additional copies are $5.00 each. It is the student's responsibility to request that transcripts be sent to other institutions.

Unofficial Transcripts
Enrollment Services does not print or process unofficial transcripts. Students who need an unofficial copy of their transcript can log onto their online Navigator account and print the transcript from there. If they need the transcript e-mailed or faxed for school or work purposes they can go to the Counseling and Support Services Office.

Transcript Holds
Students who owe money to the College will have a hold placed on their transcripts. No transcript request can be processed until they have paid.

Transcripts from Other Colleges
A transcript is a record of coursework completed at a college or university. Students who have attended other colleges or universities should send official transcripts from those institutions to Enrollment Services, 800 College Avenue, Weed, CA, 96094.

Unit Limitations
Students who wish to register for more than 18 units must have an approved petition from a counselor. Approval to register for more than 18 units will be granted to students who have a cumulative grade point average of at least 2.75 in their 24 most recently completed units. Fire program students may enroll in FIRE 0950, EMS 9065, and FIRE 2949 without meeting these unit and GPA requirements.
Wait Lists for "Closed" Classes
www.siskiyous.edu/apply/waitlist.htm

When a class fills to capacity, it is considered "closed." An automated computerized waiting list is used to determine the sequence in which students may be added to the class if space becomes available.

When a student registers as waitlisted, a position on the waitlist is assigned in a first-come, first-served order. When a seat becomes available, an e-mail notification is sent to the student's COS e-mail, to the first student on the list. Students are given 48 hours to register for the waitlisted class. After this deadline has passed and the student has not registered, the next student is notified of the available seat. In order to register for the course, the student must register online through Navigator or in person at Enrollment Services. If the waitlisted student tries to register for the course and encounters a registration error (prerequisite, time conflict, etc.), the student’s priority on the waitlist is maintained through the 48-hour deadline to give them time to rectify the error. The automated waitlist process is discontinued the weekend before the first day of class.

Students may view their current waitlist positions and notification deadlines through Navigator by checking the Student Detail Schedule for the term on the Navigator portal home tab.

Students are reminded to check their @ins.siskiyous.edu e-mail often during registration from the envelope icon in Navigator. If you have trouble viewing your @ins.siskiyous.edu e-mail, please send an e-mail to the Computer Lab at navigator.help@siskiyous.edu.

If you are still on the waitlist the first day of class, you must attend the first class meeting for instructor approval to register for the class; for online classes you must contact the instructor on first day of class via e-mail (e-mail addresses for all online instructors are available on the Online Courses web page). At the first meeting, the instructor will determine if waitlisted students may add to the class and will give the student a signature or Add Authorization.

Withdrawal/Drop Policy
www.siskiyous.edu/procedures/services/AP5075.pdf
www.siskiyous.edu/apply/adddrop.htm

Students are responsible for withdrawing from classes they are no longer attending by contacting the Enrollment Services Office and completing all necessary forms.

The last day to withdraw from a class without receiving a grade symbol of "W" is the close of business, the day before census day. A "W" grade symbol is a permanent record that cannot be removed from a transcript. Failure to drop the course may result in a grade of F, FW, or NP. Instructors may drop students who do not attend the first class meeting or when the number of unexcused absences equals the number of times the class meets each week.
Academic Standards

Academic Calendar
www.siskiyous.edu/calendars

College of the Siskiyous operates on a semester calendar with one or two summer sessions. Academic calendars are available upon request in the Enrollment Services Office or online.

Academic Honors
Dean’s and President’s Lists

Students who complete outstanding academic work during the Fall or Spring semesters are honored by inclusion on either the Dean’s or President’s List.

A student must have at least a 3.50 GPA in a minimum of 12 units of graded coursework (A, B, C, D, F, or FW) to qualify for the Dean’s List.

A student must have at least a 3.75 GPA in a minimum of 12 units of graded coursework (A, B, C, D, F, or FW) to qualify for the President’s List.

Graduation with Honors

Students whose cumulative GPA at College of the Siskiyous and all collegiate institutions attended is at least a 3.50 will be recognized with “Graduation with Honors” status. Recognition will occur in the graduation program and during student introductions during Commencement Exercises. A notation of such status will also be entered on the student’s permanent record. Academic renewal without course repetition may not be used to qualify for this status.

Graduation with High Honors

Students whose cumulative GPA at College of the Siskiyous and all collegiate institutions attended is at least a 3.75 will be recognized with “Graduation with High Honors” status. Recognition will occur in the graduation program and during student introductions during Commencement Exercises. A notation of such status will also be entered on the student’s permanent record. Academic renewal without course repetition may not be used to qualify for this status.

Academic Renewal

www.siskiyous.edu/procedures/academic/AP4240.pdf

Students with substandard academic performance (D, F, FW, or NP grades) may petition to have their COS (College of the Siskiyous) academic records reviewed for academic renewal of substandard academic performance under the following conditions:
- Students must have completed 12 units with a 3.0 GPA, or 24 units with a 2.5 GPA, or 36 units with a 2.0 GPA since the last term in which the course to be disregarded was earned (coursework from any accredited college or university may be used for this purpose)
- At least one year has passed since the term or terms in which substandard grades were earned.

Up to 30 units of substandard coursework from a life time maximum of two semesters may be disregarded from consideration in the cumulative grade point average.

Academic renewal actions are irreversible. Disregarded courses may not be used toward a degree or a certificate. Similar actions by other accredited colleges and universities will be honored. However, disregarded work by another institution will be counted as part of the maximum of 30 units to be disregarded.

Petitions for Academic Renewal are available in the Enrollment Services Office, Counseling and Support Services Office, or online.

Acceptance of Transfer Credit

www.siskiyous.edu/procedures/academic/AP4237.pdf

Units may be transferred to College of the Siskiyous in accordance with College procedure AP 4237 – Transfer Credit.

Transcripts: Official academic transcripts are required for transfer college credit to be accepted.

Accredited U.S. Institutions: Credit is accepted from accredited United States degree-granting and non-degree granting institutions that are listed in the Accredited Institutions Postsecondary Education Directory published for the Commission of Recognition of Postsecondary Accreditation by the American Council on Education

Degree-Granting Institutions: A maximum of 48 transfer units can be accepted from accredited degree-granting institutions. Students with transfer credit must fulfill the 12 unit Associate Degree residence requirements.

Non-Degree Granting Institutions: A maximum of 15 semester units is accepted from non-degree granting institutions. Clock hours will be converted to semester credits using the formula: One unit for every 18 clock hours of academic coursework, and one unit for every 54 hours of activity coursework. Credit accepted must be approved by a College of the Siskiyous counselor. Campuses attended after COS may have different procedures for evaluating and accepting credit from non-degree granting institutions.

International Institutions: Credit from institutions outside of the United States will be accepted based upon the recommendation of the COS-approved international transcript evaluation agency.

Upper-Division Courses: A maximum of nine upper-division units can be credited toward the Associate Degree.

Recency: Other than course recency requirements for some programs, there is no limit to the age of transfer credit.

Attendance

www.siskiyous.edu/procedures/services/AP5070.pdf

There are no excused absences. The faculty recognizes there are circumstances that prevent students from attending class. However, the student is responsible for making up all missed work. The faculty supports student involvement in extracurricular activities. The faculty also believes that class participation is crucial to the learning process.
Each student has the responsibility to:

- Notify the instructor of absences in advance for all scheduled activities. In the case of an emergency notify your instructor as soon as possible.
- Meet with your instructor to discuss alternate assignments or make-up exams.

The student must recognize that it is not possible to re-create certain class activities and therefore it may be impossible for some activities, such as class discussion, to be made up.

**Award of Credit for Alternative Education**

www.siskiyous.edu/procedures/academic/AP4237.pdf

**U.S. Military Service Schools**

COS credit for military schools is awarded to currently enrolled COS students who have completed a minimum of 12 units of coursework at COS. Credit is published by the American Council on Education. A maximum of 15 units is awarded and recorded on the student's COS transcript. Credit must be approved by a counselor.

**Prior Work Experience**

Credit is not awarded for prior work experience. Students may enroll in the College's Work Experience courses to earn credit for paid or volunteer work experience currently in progress.

**Life Experience**

Credit is not awarded for life experience.

**Advanced Placement Credit**

The Advanced Placement Examination program allows high school students to complete college-level work while they are still in high school and demonstrate proficiency in various subject areas by successfully passing the Advanced Placement Exams. COS will award credit for Advanced Placement (AP) exams in which the student earns a score of 3, 4, or 5. The credit earned and transcript notations are made by the Director of Enrollment Services. All transcript notations are marked as “AP CREDIT.” Contact the Counseling and Support Services office for additional information.

**College Level Examination Program (CLEP) Exams**

Credit is awarded for passing selected CLEP exams. Contact Counseling and Support Services office for additional information.

**International Baccalaureate (IB) Program**

Credit is awarded for passing designated IB exams. Contact Counseling and Support Services office for additional information.

**Catalog Rights**

www.siskiyous.edu/procedures/academic/AP4100.pdf

Students in continuous attendance may choose any catalog in effect during their attendance. Continuous attendance is defined as earning at least one-half unit of credit during consecutive academic years. An academic year starts in the Fall semester and concludes at the end of the summer session. Once established at COS, continuous attendance may be maintained by earning credits at any regionally-accredited institution.

Students not in continuous attendance must select the catalog in effect at the time of the awarding of a certificate or an associate degree. The College Catalog available online is a static version of the printed catalog. Degree and certificate requirements are updated on a regular basis and can be reviewed online at the COS website. Contact the Counseling and Support Services Office for questions regarding catalog rights.

**Classification of Students**

Freshman – Has earned fewer than 30 semester units of college credit.

Sophomore – Has earned 30 semester units or more of college credit and has not attained an associate or higher degree.

High school student – Enrolled as a regular student at a local high school and is also enrolled part-time at COS.

Full-time – Enrolled in 12 or more units.

Part-time – Enrolled in less than 12 units.

**Course Credit**

**Units of Credit**

One semester unit of credit is earned for each required hour of weekly attendance in a lecture class, and one semester unit of credit is earned for each three required hours of weekly attendance in a laboratory or studio class. For most courses, a student will spend two hours in preparation for each hour of lecture.

**General Education Credits**

An appropriate general education course is one that is designated as a general education course at the campus where the course was completed or is comparable to an approved Associate Degree general education course at College of the Siskiyous. There must be a minimum total of 23 semester units in general education. A three quarter-unit course will not be accepted to meet a three semester-unit associate degree general education area A-I requirement.

**Credit by Course Challenge**

Students may challenge a course for college credit by completing an Application for Credit by Course Challenge and under the following conditions:

- The course is listed in the College Catalog.
- Student must have completed 12 or more units at COS and have a cumulative GPA of at least 2.0 in previous COS coursework.
- Student must complete an application and submit it to the Counseling and Support Services Office for verification of eligibility. The student must then submit the application to the appropriate Dean for approval.
- After Dean approval, the application will go to Instruction Council where final approval may be granted.
- Upon approval by the Instruction Council, a fee per unit that is the same as the per unit tuition fee will be charged for each course and will be paid to the Cashier.
- The application and challenge process must be completed within the semester of date of application. Students should not enroll in the course they wish to challenge.
Academic Standards

- The student will be allowed to take the exam only once. The student will receive a letter grade (A-F), which will be noted on the academic transcript in the additional college credit section, not in a specific semester.
- A student may apply conditionally for proper placement in a course sequence and the units will be granted when 12 units are completed (Example: foreign language).
- A student may not apply for course challenge to raise to a “C” grade or better.
- The course challenge process is not available for performance courses or courses in Career and Technical Education programs.

Applications are available in the Enrollment Services Office or the Counseling and Support Services office.

Grading

www.siskiyous.edu/procedures/academic/AP4230.pdf

A student's work, upon the completion of each course, is graded A, B, C, D, F, FW, P, NP, I, IP, W, or MW. Every class for which a student registers will be posted on the student's transcript with the following exceptions:

- A class dropped prior to the end of the fourth week of instruction or 20 percent for short-term or late-start classes.
- A class the College cancels.
- A class dropped in order to transfer to a parallel course.

Grading Symbols

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A   Excellent</td>
<td>4 per unit</td>
</tr>
<tr>
<td>B   Good</td>
<td>3 per unit</td>
</tr>
<tr>
<td>C   Satisfactory</td>
<td>2 per unit</td>
</tr>
<tr>
<td>D   Passing – (less than satisfactory)</td>
<td>1 per unit</td>
</tr>
<tr>
<td>F   Failing</td>
<td>0 per unit</td>
</tr>
<tr>
<td>FW  Fail/Withdrawal</td>
<td>0 per unit</td>
</tr>
<tr>
<td>CR  Credit (Satisfactory)</td>
<td>0 per unit</td>
</tr>
<tr>
<td>NC  No Credit</td>
<td>0 per unit</td>
</tr>
<tr>
<td>P   Pass (Satisfactory)</td>
<td>0 per unit</td>
</tr>
<tr>
<td>NP  No Pass</td>
<td>0 per unit</td>
</tr>
<tr>
<td>I   Incomplete</td>
<td>0 per unit</td>
</tr>
<tr>
<td>IP  In Progress</td>
<td>0 per unit</td>
</tr>
<tr>
<td>RD  Report Delayed</td>
<td>0 per unit</td>
</tr>
<tr>
<td>W   Withdrawal</td>
<td>0 per unit</td>
</tr>
<tr>
<td>MW  Military Withdrawal</td>
<td>0 per unit</td>
</tr>
</tbody>
</table>

Note: CR and NC symbols were used prior to Fall 2009 semester; P and NP symbols are used starting Fall 2009 semester.

Grade Point Average (GPA) Calculation

GPA is computed by dividing the total number of grade points earned by the total number of units attempted, not including units in courses where the grade is P, NP, I, IP, RD, W, or MW. In calculating degree-applicable grade point averages, grades earned in non-degree-applicable courses are not included.

The GPA is used to determine eligibility for academic achievement, such as the President’s and Dean’s Lists, academic and progress probation/dismissal, eligibility for an associate degree and/or certificate of completion, graduation with honors/high honors, financial aid and some scholarships. Students are encouraged to pay constant attention to their grade point standing.

Pass/No Pass

Some courses are only offered on a Pass/No Pass basis. In addition, a student may elect to take one regularly graded course, not in the student’s major, each term on a Pass/No Pass basis. This option may be exercised at the time of registration or no later than the end of the first 30 percent of the class. The Pass/No Pass grading option may not be changed after the petition is submitted to Enrollment Services. Units earned shall be counted in satisfaction of degree requirements but shall be disregarded in determining the student’s GPA (Title 5, Section 55023).

The P (Pass) symbol is used for satisfactory achievement equivalent to a letter grade of C or higher. The No Pass (NP) symbol is used for achievement equivalent to a grade of D, F, or FW.

I – Incomplete Grade Contract

Incomplete academic work for 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 condition for removal of the “I” shall be stated by the instructor in a written record on an Incomplete Contract and signed by the instructor and the student. This contract shall contain the conditions for removal of the “I” and the grade assigned in lieu of its removal. This contract must be given to the student with a copy on file with the Director of Enrollment Services until the conditions noted have been met or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated or when the time limit for completing the work has passed. The conditions may be met 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.

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 assignment of a final grade must await its completion. The IP symbol shall remain on the student’s permanent record in order to satisfy enrollment documentation. The appropriate evaluation grade and unit credit shall be assigned and appear on the student's record for the term in which the course is completed. The IP shall not be used in calculating GPA.

W – Withdrawal

Students are responsible for withdrawing from classes they are no longer attending. It is important to contact the Enrollment Services Office to complete all necessary forms.

There will be no notation on the academic transcript for courses dropped prior to the day before census day for full-semester courses or 20 percent of the length of the course for short-term or irregularly scheduled courses.

There will be a notation of “W” on the academic transcript for courses dropped by the end of the 14th week of full-semester courses or 78 percent of the length of the courses for short-term or irregularly scheduled courses.

Failure to withdraw may result in a grade of F, FW, or NP. Instructors may drop students who do not attend the first class meeting or
when the number of absences equals the number of times the class meets each week.

**MW – Military Withdrawal**
This symbol occurs when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, a MW symbol is assigned. Military withdrawals shall not be counted in progress probation, dismissal, and repeat calculations.

**FW – Failing/Withdrawal**
The FW symbol indicates that a student has ceased attending a class and has failed the course for that reason. The use of this grade is entirely at the discretion of the instructor. The grade point value of an FW grade is zero like an F grade.

Extenuating circumstances justifying exceptions to the above grading policy are subject to administrative review. Unusual extenuating circumstances would be cases of verified illness or accidents, which force the student to drop out of school.

Program changes and/or drops processed prior to the beginning of classes will not be posted to the student’s permanent record.

**Grade Changes**
Education Code, Title 3, Sections 76224, 76232, and Title 5 Section 55035, state in the absence of mistake, fraud, incompetence, and bad faith, the determination of a student’s grades by an instructor shall be final once they have been filed with the Director of Enrollment Services. Students wishing clarification regarding their grades should consult with their instructor. Please refer to College procedure AP 4231 – Grade Changes for details.

**Grievance/Complaint Procedures**
www.siskiyous.edu/procedures/services/AP5530.pdf

In an academic community, students are accorded basic rights and responsibilities as well as a procedure by which a conflict of rights between two parties may be resolved with reason and impartiality. A detailed statement of such rights, responsibilities, and the procedure to follow may be found in the Student Handbook and on the COS website.

**High School Course Articulation**
www.siskiyous.edu/procedures/academic/AP4050.pdf

Students who enroll at College of the Siskiyous may be eligible to receive college credit for articulated high school course(s) after demonstrating competency as agreed upon through the articulation agreement as set forth by College Procedure AP 4050. For more information about this program please contact the Career and Technical Education office.

**Probation and Dismissal**
www.siskiyous.edu/procedures/academic/AP4250.pdf
www.siskiyous.edu/procedures/academic/AP4255.pdf

**Probation**
A student will be placed on Academic Probation if the student attempted 12 or more cumulative units and earned a GPA below 2.0 in all A-F/FW graded units.

A student who attains a cumulative GPA of 2.0 or greater in a subsequent semester will be removed from Academic Probation.

A student will be placed on Progress Probation if the student failed to complete at least 50 percent of the cumulative units for which the student registered. The criteria for non-completion are entries of “W” (withdrawal), “MW” (military withdrawal), “I” (incomplete), or “NP” (No Pass) or “NC” (No Credit prior to Fall 2009) on the official academic record.

A student who successfully completes at least 50 percent of his/her cumulative attempted units in a subsequent semester will be removed from Progress Probation.

Please refer to College procedure AP 4250 for more information.

**Dismissal**
Academic Dismissal: A student who is on academic probation is subject to academic dismissal if the student has earned a cumulative grade point average of less than 2.0 for three consecutive semesters.

Progress Dismissal: A student is subject to progress dismissal if the student has failed to complete 50 percent of the units attempted satisfactorily for three consecutive semesters.

A student on Academic or Progress Dismissal will be required to meet with a counselor prior to registration, and complete the form “Petition for Academic Reinstatement”.

A student who attains a cumulative GPA of 2.0 or above in a subsequent semester will be removed from the Academic Dismissal status.

A student who successfully completes over 50 percent of the cumulative units in a subsequent semester will be removed from Progress Dismissal.

Please refer to College procedure AP 4255 – Dismissal and Disqualification for more information.

**Regression Credit**
Regression credit is defined as credit earned in a course at a lower level after earning a grade of A, B, C, or CR in a course in the same sequence at a higher level and may not be used to satisfy any associate degree or certificate requirement. For example, once credit is earned in an advanced Spanish course, one could not then use credit earned in a lower-level Spanish course toward a COS degree or a certificate. Most transfer institutions do not accept regression credit.

**Schedule of Classes**
www.siskiyous.edu/schedules

Each semester, College of the Siskiyous publishes a Schedule of Classes listing those classes that will be offered during the coming semester. The Schedule of Classes contains the most updated information on courses, campus policies, and program requirements and is considered an addendum to this catalog. Please check the Schedule of Classes for the most updated information on our course...
offerings. Some courses are added and others are canceled after the Schedule is published.

The online schedule is searchable by location, course number, instructor name, start date, start hour, and course title. The online schedule is updated daily, however, be sure to check with Enrollment Services or Counseling and Support Services for the most current information on classes when you are ready to register. Not all courses listed in the College Catalog are offered every semester.

Southern Oregon University and Oregon Institute of Technology Exchange Agreements

College of the Siskiyous has interstate exchange agreements with Southern Oregon University (SOU) and Oregon Institute of Technology (OIT). Under these agreements, qualified students may attend OIT or SOU and pay in-state tuition. For the California students at OIT/SOU, the savings amounts to over $13,000 per year.

Participants must be California residents who do not have a Bachelor’s degree. To be eligible for the SOU exchange, students must complete a minimum of 24 semester units of transfer-level course work at COS with a minimum cumulative transfer GPA of 2.25 OR complete a minimum of 24 semester units of transfer-level course work at COS and complete an Associate degree from COS with a cumulative transfer GPA of at least 2.00.

For OIT, students must be a Siskiyou County resident for at least one year and have a COS cumulative transfer GPA of at least 2.0 if any courses have been completed at COS OR complete a minimum of 24 units of transfer-level course work at COS with a COS cumulative transfer GPA of at least 2.0.

As an accredited community college, COS offers a full range of baccalaureate-level transfer courses. Articulation agreements with SOU and OIT provide for smooth transfer.

Withdrawal from College

Students are responsible for withdrawing from classes they are no longer attending by contacting the Enrollment Services Office and completing all necessary forms. A Complete Withdraw form is required for students who wish to withdraw from all of their classes.

The last day to withdraw from a class without receiving a grade symbol of “W” is the close of business, the day before census day. A “W” grade symbol is a permanent record that cannot be removed from a transcript. Failure to drop the course may result in a grade of F, FW, or NP. Instructors may drop students who do not attend the first class meeting or when the number of absences equals the number of times the class meets each week.
**College Behavior Standards**

### Academic Honesty/Plagiarism

**Definition:**
Plagiarism is an act of theft, or stealing, of someone else's intellectual property. Plagiarism is an act of dishonesty. Whether intentionally or unintentionally, a writer is misrepresenting someone else's words or ideas as his or her own.

**Examples:**
Intentional plagiarism exists when a student lists sources that he or she has not used; when a student copies from a source but fails to cite it, thereby misrepresenting the original source's ideas as his or her own; when a student copies material from another student's work without giving that other student credit; when a student buys or borrows a whole paper or portions of a paper from another student or from the Internet; when a student copies another artist's music or work of art and tries to submit it as his or her own.

Unintentional plagiarism, which is also punishable, may exist when a student attempts to paraphrase or summarize a source but copies too much from the source instead of re-writing the ideas in his or her own words; when a student inadvertently fails to include a parenthetical reference to a source, although the source is listed among the citations at the end of the paper; when a student fails to put quotation marks around quoted material; when a student relies too heavily on external sources, thus expressing few or none of his or her own ideas.

These examples are not all inclusive of every possible form of plagiarism and should not be considered as such.

### Alcohol

**Definition:**
In accordance with the California Education Code, alcohol is not allowed on community college campuses at any time. Any student found under the influence of, consuming, or in possession of alcoholic beverages on the Campus or at any College sponsored function is subject to disciplinary action.

### Drugs

**Definition:**
According to the California Education Code, the use, sale or possession on campus, or your presence on campus under the influence of any controlled substance or illegal drug is forbidden. Anyone committing such an offense is subject to disciplinary action.

### Campus Security and Crime Awareness

**Definition:**
The Campus Security Act of 1990 (Public Law 101-542) requires that all colleges and universities receiving Title IV student aid assistance prepare and distribute an annual report which sets forth its policies on crime prevention issues and gives statistics on the number of arrests on campus for liquor law violations, drug abuse violations, and weapon possessions. The report is published each year in the Student Handbook on the Colleges website or can be obtained by contacting the Student Life office.

In addition, the act requires colleges and universities to provide timely warnings to the campus community of certain crimes reported to campus security by local law enforcement which may be considered a threat to other students and employees. On an annual basis, this information is disseminated to students, faculty, and staff in the Schedule of Classes.

The Board of Trustees of College of the Siskiyous has established the following policy with respect to Campus Security and Crime Awareness:
1. To provide an environment which ensures the safety and security of all members of the campus community.
2. To make the campus community aware of the nature of any criminal activity which occurs on campus.
3. To assist the campus community in taking appropriate measures to prevent crimes.

### Registered Sex Offender Information

Sex offenders are required to register with the police in the jurisdiction in which they reside and at institutions of higher learning if they are students there or if they work there as employees, contractors, or volunteers. The website containing a list of registered sex offenders in Siskiyou County may be found on the Megan’s Law Website at http://meganslaw.ca.gov.

We ask our staff to assist us in keeping our campus environment safe. At the Weed Campus, please report all incidents to the Student Life Office at 530.938.5374, the Weed Police Department at 530.938.5000 or call 911 if an emergency. At the Yreka Campus, please report all incidents to the Yreka Campus Director, at 530.841.2300, or call 911. Check the campus crime statistics for COS at the U.S. Department of Education Campus Security website http://ope.ed.gov/security/search.asp.

### Everbridge

Students can sign up for Everbridge emergency text notification system at member.everbridge.net/index/453003085611736.

### Code of Conduct (AP 5500)

**Definition:**
When you enroll at the College you assume an obligation to conduct yourself in a manner compatible with the College's function as an educational institution. You may be subject to disciplinary action for any of the following categories:

1. **Assault, battery, or attempted assault or battery,** or any threat of force or violence upon a student or District personnel. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. **Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object,** including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a district employee, which is in concurrence with the College President.
College Behavior Standards

3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or any poison defined in Business and Professions Code section 4240, or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.

4. Committing or attempting to commit robbery or extortion.

5. Causing or attempting to cause damage to district property or to private property on campus.

6. Stealing or attempting to steal district property or private property on campus, or knowingly receiving stolen district property or private property on campus.

7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the District.

8. Committing sexual harassment as defined by law or by District policies and procedures.

9. Engaging in harassing or discriminatory behavior based on ethnic group identification, race, color, ancestry, sex, (i.e., gender), sexual orientation, religion, age, national origin, physical or mental disability, or on the basis of these perceived characteristics or based on an association with persons with one or more of these actual or perceived characteristics.

10. Engaging in intimidating conduct or bullying against another student through words or name-calling; social isolation or manipulation; and cyberbullying.

11. Willful misconduct which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.

12. Disruptive behavior, willful disobedience, regular profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.

13. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty. For purposes of this provision, the term “cheating” includes, but is not limited to:
   - Use of any unauthorized assistance in taking quizzes, tests, or examinations;
   - Use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
   - The acquisition, without permission, of tests or other academic material belonging to the College. The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

14. Dishonesty; forgery; alteration or misuse of college documents, records or identification; or knowingly furnishing false information to the District.

15. Unauthorized entry upon or use of college facilities.

16. Lewd, indecent or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions.

17. Engaging in expression which is obscene; libelous or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises.

18. The violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.

19. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.

20. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative procedure.

21. Violation of the District’s computer use policy or any conduct that constitutes a computer-related crime under Penal Code, section 502.

22. The use by a student of any electronic listening or recording device in any classroom without the prior consent of the instructor, except as necessary to provide reasonable auxiliary aids and academic adjustments or accommodations to a student with a disability.

23. Solicitation or acceptance of money or other thing of value as an inducement, encouragement, or reward for intercollegiate participation in violation of Education Code, section 67361 or false declarations regarding eligibility for participation in intercollegiate athletics under Education Code, section 67362.

Discipline Process (AP 5520)
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When addressing the incidents of misconduct by students, the following steps will be followed:

Step 1. Misconduct reported to the Designated Administrator

When the Designated Administrator or their designee receives a report of misconduct it is reviewed and determined whether the incident should be directed to the Student Conduct Board. If a conduct hearing is needed, the student will be notified of the date, time and place of the conduct hearing with at least 24 hours notice of the scheduled hearing. (The only exception to this procedure is when a summary suspension is imposed by the Superintendent/President on a student or upon a group of students.)

Step 2. A preliminary hearing is held with the Student Conduct Board

The Student Conduct Board will make known to the student the specific charges of misconduct. This may include testimony from College staff and witnesses. The student will be given the opportunity to answer the charges in person and call witnesses, as appropriate. If the student does not attend the hearing, he/she waives the right to alter any decision made in his/her absence. The Student Conduct Board will hear all sides and then submit their recommendation regarding responsibility and sanctions to the Designated Administrator. After the hearing and review by the Designated Administrator, the student shall be informed in writing of the disciplinary action to be taken. The student has the choice to either accept the disciplinary action (Step 3), or file a request to the Superintendent/President for an Appeals Board hearing (Step 4).
Step 3. Disciplinary action is taken
The disciplinary action noted in the letter is then taken. The Designated Administrator shall report the disciplinary action to the Superintendent/President. If at the end of 48 hours (2 school days), the student does not file an appeal with the Superintendent/President, the student will have waived his/her right to an appeal.

Step 4. An appeal is made to the Appeals Board
When a student does not accept the decision made at the preliminary hearing, he/she may file an appeal to have his/her case considered by the Appeals Board of the College. The steps involved in the appeal process are:
A. Within 48 hours (2 school days), a written Notice of Appeal must be filed with the College Superintendent/President. The Notice indicates that the student would like to appeal the disciplinary action. This notice must identify the reason(s) for the appeal based on one or both of the following criteria:
1. The student was not given due process
2. New relevant information has surfaced since the hearing.
B. The student must clearly explain how his/her case meets the above criteria.
C. If the College President determines that the accused student has met the standard of (1) or (2) above, the President shall order the Student Conduct Administrator to remedy the problem identified by the student. If the problem cannot be remedied the President may order a new hearing following the same process as described for the Student Conduct.
D. If an appeal is not upheld, the President shall proceed with their review and decision (see section VIII of this procedure).
E. The decision on appeal shall be reached within five (5) days after receipt of the appeal documents. Copies of the President’s appeal decision shall be sent to the student and the presiding officer of the Student Conduct Board or to the College Hearing Officer who conducted the Student Conduct Hearing.

Step 5. The Superintendent/President makes the final decision
The President shall accept, modify or reject the findings and recommendations of the Student Conduct Board or College Hearing Officer. If the President modifies or rejects the findings or recommendations, the President shall review the record of the hearing, and shall prepare a new written decision which contains specific factual findings and conclusions. The President’s decision shall be final except as to expulsions or revoking degrees.

FERPA Policy Statement
The Family Educational Rights and Privacy Act (FERPA) provides students who are enrolled in an institution of postsecondary education the right to inspect, review, and challenge their educational records. College of the Siskiyous has the responsibility of maintaining and protecting the confidentiality of students’ official educational records. College of the Siskiyous also supervises the access to and/or release of educational records of its students. FERPA covers enrolled and former students, including those who are deceased. In addition, the College will not release personally identifiable records of students to any individual, agency, or organization without the prior written consent of the student, except as provided by FERPA.

Hazing
No student or other person in attendance at any public, private, parochial, or military school, college, or other educational institution shall conspire to engage in hazing or commit any act that injures, degrades, or discourages or tends to injure, degrade, or disgrace any fellow student or person attending the institution. (Ed Code 48900(q))

Privacy Rights of Students
www.siskiyous.edu/procedures/services/AP5040.pdf
College of the Siskiyous observes the provisions of the Family Education Rights and Privacy Act (FERPA) as amended in 1974 as follows:
- Educational records are not released to any individual or agency without written consent of the student.
- The Director of Enrollment Services has been designated “Records Officer” as required by the Act.
- Students have a right to review their educational records to determine accuracy. Official requests for such review should be made, in writing, to the Enrollment Services Office at least three working days in advance.
- Students have a right to challenge the accuracy of their educational records. There is a process established to resolve issues related to the accuracy of educational records. Please refer to the Student Handbook for more information. Student Handbooks are available in the Student Life Office.
- The College may release certain types of “Directory Information” unless the student requests in writing to the “Records Officer” that certain or all such information not be released without their consent. “Directory Information” at College of the Siskiyous includes: student name, address, telephone number, schedule of classes, major field of study, participation in officially recognized activities and sports, educational goals, and the most recent public or private schools attended.
- In addition to the above stated “Directory Information,” the College may also report student name, address, telephone number, date of birth, level of education and major to the Federal government, including military recruiting agencies in accordance with Public Law 104-206 and 104-208 (Solomon Amendment).
- Student consent is needed for the release of any non-directory information/records covered by the Act to outside parties. College officials and faculty, with a legitimate educational interest regarding the student, have access under the law to the educational records of their students.
- Parents have certain rights with respect to their children’s educational records. These rights transfer to the student when they reach 18 years of age or when they attend college. In the case of a special admission K-12 student who is attending the College of the Siskiyous, the student is considered a college student. As such, access to the student’s records by parents or guardians is only permitted with a “Release of Information” form signed by the student. The form is available in the Enrollment Services Office.

A copy of COS Board Policy BP 5040 – Student Records, is available for review in the Enrollment Services Office or on the COS website.
College Behavior Standards

Sexual Assault
www.siskiyous.edu/procedures/general/AP3540.pdf

Definition of Sexual Assault
Sexual assault includes, but is not limited to, rape, domestic violence, dating violence, stalking, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault.

Policy Statement
The Siskiyou Joint Community College District prohibits sexual assault by students against other students or District employees. The District will ensure that students are aware of their rights and responsibilities pertaining to sexual assault. The District will provide educational programs and support services to prevent student rape and sexual assault. Incidents of rape or sexual assault will be reported to the appropriate authorities.

Policy Elements

Statement of Student Rights
Each student has a right to:
• Engage in a variety of academic, cultural, social, recreational, and personal activities on Campus without fear of sexual assault.
• Develop a variety of social and personal friendships and relationships on Campus without the expectation that in return sexual intimacy will be required, either with or without consent.
• Physical settings which are free of vulgar, sexually explicit or oppressive language.
• Report inappropriate behavior or language involving sexual content to College authorities without fear of intimidation, harassment, reprisals, or exploitation.
• Receive a prompt hearing by College authorities in incidents of sexual assault.

Statement of Student Responsibilities
Each student has the responsibility to:
• Engage in a variety of academic, cultural, social, recreational, and personal activities on Campus without fear of sexual assault.
• Ensure that social and personal relationships do not operate with the expectation that sexual intimacy will be the required outcome.
• Ensure that he or she refrains from the use of vulgar, sexually explicit, or oppressive language.
• Report inappropriate behavior or language involving sexual content to appropriate counseling and guidance staff.

Educational Program
The College shall develop an ongoing educational program to provide information and assistance on issues related to sexual assault. Such a program shall give particular emphasis to the development of student sensitivities and the provision of information on prevention of situations which are likely to result in sexual assault.

Statement of Support Services
Counseling services will be available for any student involved in an incident of sexual assault.

Statistical Records
Statistical records will be kept by the Director of Student Life on the sexual assault incidents, and these statistics will be made available to the Campus community and the public as required by law.
Student Rights and Responsibilities

Academic freedom for students is essential to encourage students in their search for knowledge, clear thinking and critical judgment. This freedom consists of certain basic rights which are just claims upon the academic community. Rights become a reality only when all members of a society exercise responsibility in honoring rights of others. Therefore, to preserve his or her rights, each student must assume his or her own share of the responsibility.

Student Rights

Each student has the right to:

- Have comprehensive information about College regulations, procedures, programs, and services available.
- Propose change in College regulations and procedures and have such proposals considered with reasonable promptness and receptivity.
- Read, hear, and express ideas and points of view within the limits of common decency and law on any matter and in any manner which does not interfere with the College program.
- Distribute printed materials or petitions, wear buttons, badges, or other insignia which are within the limits of common decency and law. The College Administration may specify the time, place, and manner of the use of the bulletin boards and the distribution of the printed materials or petitions.
- Form organizations to promote any lawful purpose or point of view.
- Have unbiased and balanced coverage of student ideas and activities in student body publications.
- Take reasonable exception to opinion in any course.
- Have instructors who know their subjects well and are fully qualified teachers.
- Be evaluated solely on course achievement based on an objective and systematic method clearly stated and uniformly applied.
- Request and receive a full explanation of grades substantiated by accurate records.
- Have instructors available for specified weekly conference hours.
- Insist that course content be reasonable and consistent with the course description presented in the course outline.

Student Responsibilities

Each student has the responsibility to:

- Respect and support the rights of faculty, staff, and other students.
- Speak and act in a manner which is compatible with the College purpose.
- Speak and act in a manner which does not offend standards of common decency.
- Exercise care in the use of College equipment and property.
- Abide by all the rules and regulations of the College.
- Abide by local, state, and federal laws.
- Become informed regarding curriculum requirements.
- Become informed regarding course assignments.
- Prepare course assignments in the time and manner prescribed by the instructor.
- Pursue the basic goal of learning.

Non-Discrimination Statement

College of the Siskiyous is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each Individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, sex (gender), race, color, medical condition, ancestry, sexual orientation, marital status, physical or mental disability, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

This non-discrimination policy covers admission, access and treatment in college programs and activities, including, but not limited to, academic admissions, financial aid, educational services, athletics, and application for and treatment regarding college employment.

In conformance with the requirements of Title II of the Education Amendments of 1976 amending the Vocational Education Act of 1963, the College is committed to overcoming sex discrimination and sex stereotyping in Vocational Education programs. In compliance with the Age Discrimination in Employment Act of 1967, the College does not discriminate against employees or applicants for employment on the basis of age. In compliance with Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, the College has given the following individual responsibility for ensuring equal opportunity:

Equal Employment Officer:
Nancy Miller, 800 College Ave., Weed, CA 96094 530.938.5317, Human Resources.

Gender Equity Coordinator:
Nancy Miller, 800 College Ave., Weed, CA 96094 530.938.5317, Human Resources.
The goal of the Academic Success Center (ASC) at College of the Siskiyous is to enhance student learning, confidence, motivation, and independence by offering one-stop access to learning support services and resources as well as individualized instruction in math, reading, and writing.

To access the ASC, students need to register in EDUC 0670 – Critical Skills Lab – an open-entry, no-fee, non-credit class providing individualized instruction in computing, reading, writing, research, and mathematical skill. This course provides students with supplementary instruction in critical skills necessary for success in courses in any discipline.

Academic Success Center services are offered on both the Weed and Yreka campuses. Contact the Academic Success Center at 530.938.5830 or go online for further information.

Tutoring Services are offered for students currently enrolled at COS. Tutoring is available either one-to-one or in small groups depending on the availability of tutors and funding. Students may determine their need for tutoring or an instructor may recommend tutorial assistance for a student. Tutor session times are determined by the individual student's schedule and the availability of tutors for the subject matter. Services are provided for COS students at no cost if they are enrolled in and attending the course(s) for which a tutor is requested, and those courses lead to graduation, transfer, and/or a certificate. Call Tutoring Services at 530.938.5614 or visit www.siskiyous.edu/tutoring.

The Art Gallery at College of the Siskiyous brings in art from all over the world, providing students and the community with a venue for viewing a wide variety of artworks. The gallery also serves as an important space for exhibiting the artistic works of COS students, including the annual student show.

The staff and students of College of the Siskiyous believe athletics are an integral part of the total education process. Support for athletics at COS is outstanding in all respects. About one-fourth of the total full-time enrolled students actively participate in COS athletics each year. COS offers varsity football and women's volleyball in the Fall; women's and men's basketball in the Winter; and coed track, women's softball, and men's baseball in the Spring.

College of the Siskiyous is a member of the Golden Valley Conference and the Nor Cal Football Conference. Both conferences function within the guidelines of the California Community College Athletic Association (CCCAA). To be eligible for COS athletic competition, a student athlete must be continuously and actively enrolled in a minimum of 12 units during the season of the sport. To be eligible for the second season of a sport, the student athlete must complete and pass 24 semester units between seasons of participation with a minimum 2.0 GPA.

Meals, snacks, and beverages are served at the snack bar at Eagle Café, located in the Student Center. Students may purchase meal tickets if they wish to dine in the lodge cafeteria.

Students are strongly recommended to sign up to receive emergency alerts from the College through our Everbridge service. You can also receive other COS updates through this service. Choose to receive these via text or email. Create an account online using the Everbridge Portal.

The College of the Siskiyous Campus Gift and Bookstore sells required textbooks for courses at College of the Siskiyous. A list of required textbooks is available at the time of registration. This list can be viewed at the Bookstore and on the Bookstore website. The Bookstore offers new, used, and rental textbooks at competitive prices. The Campus Gift and Bookstore also offers school supplies and College of the Siskiyous souvenirs and gifts.

The College of the Siskiyous Foundation solicits and receives contributions and dispenses funds to assist and support the educational programs and general welfare of the Siskiyous Joint Community College District. The Foundation supports the mission and values of the College of the Siskiyous by fostering community relationships and raising funds to enhance exceptional learning environments.

The Foundation raises funds to benefit five priorities:
• Scholarships
• Advancement of excellence in teaching and learning
• Acquiring and supporting new technologies
• Completing campus renovations and new building projects
• Partnering with community entities to support the College and Foundation missions

The Foundation annually provides the faculty and staff with a number of mini-grants, up to $1,000, to provide monetary support for educational opportunities at the College. These grants provide incentive to support innovative, even experimental, activities to advance the College’s educational mission. The Foundation seeks to increase involvement in interdisciplinary learning opportunities for faculty and staff and to support the College’s Educational Master Plan.
exploring their academic, vocational, and personal goals as well as

Academic counseling services are provided to assist students in courses, formulating an educational plan, discussing educational programs are available to help students define and achieve their academic and career goals.

Located on both the Weed and Yreka campuses, services and programs are available to help students define and achieve their academic and career goals.

Academic Advising
These services include interpreting assessment results, selecting courses, formulating an educational plan, discussing educational concerns, and providing guidance toward student educational goals. Special accommodations can be arranged by calling 530.938.5353.

Academic Counseling
Academic counseling services are provided to assist students in exploring their academic, vocational, and personal goals as well as to help students address personal issues that are affecting their academic success.

CalWORKs
www.siskiyous.edu/calworks
CalWORKs is a California Community College program serving CalWORKs students and their families by providing educational and career opportunities combined with a range of high-quality support services. The program helps students complete their educational goals, find meaningful employment, and successfully transition into the workforce. Through collaboration and advocacy with our community partners, COS prepares a segment of California’s workforce by promoting the economic self-sufficiency of CalWORKs students through the attainment of higher education.

Career Exploration Services
www.siskiyous.edu/counseling/career
College of the Siskiyous offers career exploration and job search services by providing career information, career assessment, and career counseling services.

- GUID 1002 – Career Planning, which is a course that is designed to assist students in exploring their career options and in making career decisions.
- Career Library - The Career Library helps students assess their interests, values, and abilities and link them with careers.

Information on job seeking and resume writing is available.

EOPS – Extended Opportunity Programs & Services
www.siskiyous.edu/eopscare
EOPS is a student support program for educationally and economically disadvantaged students, funded by the State of California and COS. It is designed to provide opportunities in higher education for students with academic potential who, without the EOPS assistance, may not have chosen a college education. EOPS serves students over, above, and in addition to the traditional college program components. Some of the services that may be provided by EOPS are:

- Individualized academic advising and counseling
- Textbook vouchers
- Semester starter kits (book bags, pens/pencils, USB drives, supplies)
- Transportation assistance (bus passes, gas vouchers)
- Miscellaneous – commencement fee, application fee waiver for CSU and UC, PTK membership fee

CARE – Cooperative Agencies Resources for Education
www.siskiyous.edu/care
CARE is a student support program to assist single parents (with at least one child under 14 years of age) on CalWORKs or TANF cash aid to become successful students and find meaningful employment. Students must first be eligible and served by the EOPS program. Some of the services that may be provided by CARE are:

- Payment assistance for child care costs while attending school
- Course required materials
- Limited school supplies (calculator, pens/pencils, paper)
- Transportation assistance (bus passes, gas vouchers)
- Textbooks to supplement the EOPS textbook voucher
- Special programs and workshops
Applications for EOPS/CARE are available at specific times of the year. For more information contact the Counseling and Support Services Office, or check the EOPS/CARE webpage.

Personal Counseling
www.siskiyous.edu/counseling/personalcounseling.htm
Confidential personal counseling is available to help students with their personal and psychological concerns. Services include short-term individual counseling, crisis consultation, and referral to local social service and counseling resources. Students needing assistance should contact Counseling and Support Services office or call 530.938.5353.

Siskiyou Orientation, Advising, and Registration (SOAR)
Student Orientation
www.siskiyous.edu/counseling/orientation
Student orientation helps incoming students become familiar with the programs, services, facilities, policies and procedural expectations of the College. All new students whose educational goal is to complete a degree, certificate, and/or transfer must attend. Students will develop their educational plan, and will schedule and register for classes during their SOAR session.

Student Support Services (SSS)
www.siskiyous.edu/sss
The SSS Program is funded by the U.S. Department of Education to serve economically and educationally disadvantaged students. Students must be enrolled or accepted for enrollment at College of the Siskiyou with the intent to graduate and transfer to a four-year university.

The SSS Program is designed to ensure the academic success and transfer of its participants. In order to increase the retention, graduation and transfer rates of our students, the following services are offered:
- Individualized academic and transfer advising and counseling
- Career guidance
- Financial aid, scholarship, and four-year college application assistance
- Field trips to universities
- Cultural activities
- Program orientation, financial literacy, and other workshops related to student success
- Calculator-lending program
- Annual academic achievement and awards reception

Applications are available at the Counseling and Support Services Office and online at the SSS webpage.

Transfer Center
www.siskiyous.edu/counseling/transfer
The Transfer Center assists students in making a smooth transition from COS to a university where students may earn their bachelor's degree. Some of the resources offered by the Transfer Center include:
- A Library which contains college catalogs, brochures, and general application information for colleges and universities throughout the nation. The library also contains articulation information and articulation agreements, CSU, UC, and SOU application forms, and assistance with admission procedures and current admission status reports.
- A College Fair with college and university representatives is held annually in the Fall semester. Some college representatives are hosted throughout the academic year.

University Articulation
www.siskiyous.edu/counseling/articulation
Articulation is an agreement between College of the Siskiyou and transfer universities that identifies COS courses that will meet university degree requirements. Articulation agreements with California colleges and universities are listed at www.assist.org the website of ASSIST, which is California’s official statewide repository of transfer articulation. Articulation agreements with other community colleges and with out-of–state colleges and universities are available in the Counseling and Support Services Office.

Disabled Students Programs and Services (DSPS)
www.siskiyous.edu/dsps
The DSPS program provides support services, specialized instruction, and educational accommodations to students with disabilities so that they can participate as fully and benefit as equitably from the college experiences as their non-disabled peers.

Eligibility Criteria: The specific disability must be verified, and there must be an educational limitation that precludes the student from fully participating in general education without additional specialized services. Disability groups served by DSPS include:
- Physically Challenged: Students with visual, mobility or orthopedic impairments.
- Learning Challenged: Students with at least average intelligence who exhibit severe processing and aptitude achievement discrepancies.
- Communicatively Challenged: Students with impairment in the processes of speech, language or hearing.
- Developmentally Delayed Learner: Students with below average intellectual functioning and potential for measured achievement.
- Acquired Brain Impairment: Students with a deficit in brain function which results in total or partial loss of cognitive, communicative, motor, psycho-social, and/or sensory perceptual abilities.
- Psychologically Challenged: Students with a persistent psychological, psychiatric, emotional or mental disorder.
- Other Challenged: Students with other verifiable disabilities and health related limitations that adversely affect educational performance but do not fall into any of the aforementioned categories including but not limited to conditions having limited strength, vitality or alertness due to chronic or acute health problems (i.e. epilepsy, emphysema, asthma, cancer, heart conditions, attention deficit disorder, HIV/AIDS etc.).

Support Services: Examples of services available through DSPS that are over and above those regularly offered by the college include:
- Test taking facilitation
- Assessment for learning disabilities
- Specialized counseling
Know your rights and responsibilities as a financial aid recipient. To the Financial Aid Office website www.siskiyous.edu/financialaid.

For information on applying, maintaining eligibility and much more, go to the Financial Aid Office website www.siskiyous.edu/financialaid.

The Free Application for Federal Student Aid (FAFSA) is available on the internet at www.fafsa.ed.gov. Students must re-apply for financial aid prior to each academic year. January is the recommended month to apply.

The California Dream Act is a new program to help determine financial aid eligibility for undocumented students. Go to https://dream.csac.ca.gov for specific information.

The California Dream Act is a new program to help determine financial aid eligibility for undocumented students. Go to https://dream.csac.ca.gov for specific information.

For information contact Disabled Student Programs and Services or visit them online.

Discovery Child Development Center
www.siskiyous.edu/cte/ece/dcdc.htm

The Discovery Child Development Center (DCDC), located on the Weed campus, is a COS-Shasta Head Start collaboration serving the families of College of the Siskiyous' students, faculty and the surrounding community. The center offers a preschool program for children 3–5 and serves as our campus Lab School for the Early Childhood Education and Nursing Programs.

DCDC is licensed through the State of California and Accredited through The National Association for the Education of Young Children. For information contact Cathy Scott, Site Supervisor at 530.938.5352.

Enrollment Services (Admissions & Records / Financial Aid)
www.siskiyous.edu/apply/registration.htm

The Enrollment Services Office is responsible for the admissions and registration process of the College. Services include:

• Admissions
• Registration (in-person, online, and mail-in)
• Financial Aid
• Maintenance of student transcripts
• Residency
• International student admission
• Petitions for exceptions
• Graduation Certification

Financial Assistance is a resource designed to supplement the cost of education and is not intended to be a student's sole means of income. The types and amounts of aid COS awards or recommends are subject to State and Federal guidelines, availability of funds, enrollment status, and financial need.

The California Dream Act is a new program to help determine financial aid eligibility for undocumented students. Go to https://dream.csac.ca.gov for specific information.

The Free Application for Federal Student Aid (FAFSA) is available on the internet at www.fafsa.ed.gov. Students must re-apply for financial aid prior to each academic year. January is the recommended month to apply.

For information on the types of financial aid, cost of attendance, information on applying, maintaining eligibility and much more, go to the Financial Aid Office website www.siskiyous.edu/financialaid. Know your rights and responsibilities as a financial aid recipient.

Sources of Financial Aid
www.siskiyous.edu/financialaid/faq.htm

Pell Grants are federally funded awards. All financial aid applicants who complete the Free Application for Federal Student Aid (FAFSA) are automatically considered for a Pell Grant. Award amounts vary depending on unit enrollment and expected family contribution, and may be increased each academic year by the U.S. Department of Education.

Federal Supplemental Educational Opportunity Grants (FSEOG) are federally funded awards designed to supplement other sources of financial aid for students who qualify for additional assistance.

Cal Grants are awarded by the California Student Aid Commission and may be renewed each year. All students who are California residents are encouraged to apply by the March 2nd deadline.

Cal Grant A provides tuition assistance to students from low and middle-income families. Students, who enroll initially at a public community college, planning to transfer later to a tuition-fee charging college, may apply for a Cal Grant A Reserve Grant. Grade point and income levels are used to rank applicants for these grants.

Cal Grant B provides subsistence payments for entering freshmen, with tuition and fee assistance when renewed, for high-potential students from disadvantaged, low-income families who attend a California public or independent college, or postsecondary school. Minimum course length is one year.

Cal Grant C pays tuition, fee, book and supply costs for students in occupational or career training programs who are from low and middle-income families. The award does not pay tuition assistance for students at community colleges. Selection is based on GPA, education and employment history, vocational aptitude, and financial need.

Bureau of Indian Affairs (BIA) Grants are awarded to American Indian, Eskimo, or Aleut students who satisfy specific tribal eligibility requirements and demonstrate financial need. Applicants must submit a regular financial aid application and provide supporting documents to the financial aid office. In addition, applicants should write to the agency that administers their tribal affairs and request a BIA Higher Education Assistance application.

Board of Governor Enrollment Fee Waiver (BOGW) is awarded to students who need assistance paying enrollment fees. California residents may be eligible for a BOGW if they meet any one of these criteria:

• Student has established unmet financial need by completing the Free Application for Federal Student Aid (FAFSA).
• Student or his /her family are receiving TANF Benefits, SSI, or General Assistance/General Relief.
• Student has certification from the California Department of Veterans Affairs or the National Guard Adjutant General that you are eligible for a dependent's fee Waiver.
• Student is eligible as a dependent of a deceased law enforcement/fire suppression personnel killed in the line of duty.
• Student is eligible as a recipient of the Congressional Medal of Honor or as a child of a recipient, or dependent of a victim of the September 11, 2001 terrorist attack.
• Student's family's income falls within certain income brackets.
College Services

Beginning Fall 2015 students MUST complete at least 50% or more of the units attempted each semester and maintain a cumulative 2.0 GPA in order to maintain BOGW eligibility.

Once a student has qualified for a BOGW, enrollment fees will be paid for the rest of the school year, including summer.

Federal Work Study (FWS) is a federally funded program that gives students the opportunity to earn part or all of their financial need by working on campus.

Direct Loan Programs
www.siskiyous.edu/financialaid/studentloans.htm

- Direct subsidized and unsubsidized loans are available. The US Department of Education is the lender. Students may apply for a loan after their Financial Aid file is complete. Repayment begins six months after graduation, withdrawal, or if the student drops below six units.
- Direct Parent Loans for Undergraduate Students (PLUS) are available to any parent needing to finance educational costs for a student attending COS. PLUS loans require credit approval; and if the parents’ ability to borrow is denied, the student is then eligible to apply for additional loan funds to cover college costs.
- Emergency Loans are usually of small amounts to cover books and supplies for non-financial aid students. Student’s Financial Aid file must be complete in order to apply for an emergency loan. Repayment is normally scheduled within 30 days.

Assistance for Veterans
www.siskiyous.edu/financialaid/veterans.htm

COS provides services for assisting veterans, dependents, and survivors with their VA educational payments under Chapter 35 (Dependents), Chapter 31 (Vocational Rehab), Chapter 1606 (Reserves), Chapter 30 (New GI Bill), Chapter 33 (Post-9/11), and Reserve Education Assistance Program (REAP). Students receiving VA benefits must meet with the VA Counselor before VA Certification can be completed.

New Veteran Students: If you plan to use your GI Bill for educational benefits for the first time, apply to the VA website. You will need to submit a copy of your DD214 to Enrollment Services Office.

Continuing Veteran Students: A veteran who has attended College of the Siskiyous before on any GI Bill program must contact the Counseling and Support Services Office to make an appointment with the Veteran’s Counselor, and must also apply each year to VA for benefits (they are not automatically reinstated).

Dependents: If a student is the child or spouse of a veteran who is deceased or disabled as a result of a service-connected disability, you may be eligible for benefits. Contact the Enrollment Services Office.

Students should contact the Veterans Office whenever they change their unit status. Failure to do so can cause an overpayment. All drops must be documented or the VA may charge an overpayment from the beginning of school, even if courses were dropped during mid-semester. Contact the Veterans Office of Information on any of the above programs. For information and assistance from the Veterans Administration: www.gibill.va.gov and toll free: 888.442.4551.

Scholarships
www.siskiyous.edu/financialaid/scholarships.htm
www.siskiyous.edu/ia/foundation/scholarships.htm

Scholarship applications are provided through the COS Foundation Office and online at the COS Foundation Office website. Scholarships are financially supported by family and friends or organizations. For specific information on eligibility criteria, go to the COS Foundation website. Students may also find additional scholarship sources in the reference section of any library or on the web at www.finaid.org and www.fastweb.com.

Foster/Kinship Care
www.siskiyous.edu/fkce

The Foster and Kinship Care Education Program at the College of the Siskiyous provides services to everyone who is providing care for any child in an out-of-home situation. All classes, activities and support groups are free. The program offers a safe environment for caregivers to gain education that relates to experiences that may arise. Some of the services include, Pre-and Post-Placement Trainings for Foster Parents relative caregivers, and a free Resource Library. Contact 530.841.5533.

Health Services
www.siskiyous.edu/health

In addition to accident coverage, the health fee provides free services to registered students at the Health Clinic held once a week in Ponderosa Lodge. Health related programming and campus events are also offered each semester.

Housing
www.siskiyous.edu/lodges

Living on campus is a unique opportunity for a community college student. The remodeled lodges provide the single student with experiences in community living. Friendly staff is available on site 24 hours a day to support student academics, safety and community. Each floor also has a student Resident Advisor who plans activities and helps students find campus resources. On-campus housing is for students who want to meet their goals without needing to address the day-to-day tasks faced by those living off campus. Students living on-campus can sleep later and walk to class! Information on rates is available online or by contacting the Student Life Office. Off-campus housing information can be found in the local newspapers.

Insurance

Accident
A student accident program is provided for all registered students through the health fee. This secondary policy covers students if they are injured in class related activities during the time they are enrolled. The College does not assume any responsibility for student accident or injury beyond the coverage provided by the student accident insurance policy.
Health
Students may independently purchase private health coverage. Contact the Student Life Office for information.

Library
www.siskiyous.edu/library

The COS Library supports student learning by offering a wide range of materials and services to help with coursework and assignments. The Library’s largest collection of materials is online, where it is available anytime, anywhere. The online collection includes article databases, e-books, streaming videos and more. The physical collection on the library shelves includes books, magazines, newspapers, music, videos, maps, and special collections on Mount Shasta and local history. Many students take advantage of the “reserve” textbooks, a collection of textbooks that can be used in the Library. To check out materials or use online materials from off-campus requires a COS library card, which is free to all currently registered students.

Library staff is always available to answer questions, teach students how to find materials and offer research assistance. In addition to our collections, the Library has a computer lab, a group study room, photocopier and scanner. The Library has many quiet places to study, from tables to study carrels to a spacious reading loft with comfortable chairs and a view of the mountain. For more information, call the Library at 530.938.5331, email us at library@siskiyous.edu, or visit us online.

Student Activities
www.siskiyous.edu/studentlife

Campus clubs provide an opportunity for students to become involved and meet others outside of course work. Clubs at College of the Siskiyous include the Associated Student Board, Phi Theta Kappa, Alumni Association and Circle of Friends, Cheer Club, Clay Club, Comic Book Club, Community Band Club, Drama Club, Environmental Resources Club, Intervarsity Club, Intercultural Club, Photography Club, Lodge House Council, and Students in Free Enterprise. The Associated Student Board (the student government at College of the Siskiyous) serves as a coordinating body for all clubs and provides the opportunity for club representatives to meet and share ideas for increasing and enhancing the activities program. The formation of new clubs is welcome at any time, and is coordinated by the Associated Student Board. In addition, clubs that are inactive can be re-activated through contacting the Associated Student Board.

Student activities are also planned for the lodges. Residents are invited to participate in a variety of social, cultural, and educational programs. In addition, student staff members solicit input for future activities from residents. Off campus field trips to skiing, hiking, shopping, and other activities are scheduled periodically.

Phi Theta Kappa
www.siskiyous.edu/organizations/ptk

Phi Theta Kappa (PTK) is an international honor society for two-year college students. To qualify for membership, students must be currently enrolled at the college, achieve a minimum cumulative grade point average of 3.5, and have at least 12 units of transferable coursework completed. There is a one-time membership fee. Phi Theta Kappa members are eligible to receive official recognition of their status on their academic transcript and in the graduation program, and they have the opportunity to compete for over $36 million in transfer scholarships. Through its honors programs, meetings, and service projects, Phi Theta Kappa provides academically motivated students with fellowship, leadership training, intellectual challenge, and positive involvement with both COS and its extended communities.

The construction of a professional-caliber disc golf course on the COS campus exemplifies Phi Theta Kappa’s commitment to its community. Thanks to this project, COS students and community members have access to this free outdoor recreational opportunity.

Student Government
www.siskiyous.edu/organizations/asb

At College of the Siskiyous, student government is a vital part of campus life and the college experience. General elections are held in the Spring and Fall for Associated Student Board (student government) members and for the Student Trustee who sits on the Board of Trustees and represents the students. Members are required to be enrolled in a minimum of 6 units and maintain a grade point average of at least 2.0. An intra-committee election in the Fall determines the President and Vice President. Other officers are appointed by the President at this time.

With the purchase of an Eagle Card (Student Body Card) available through the Associated Student Board (ASB) Office, students may receive a wide variety of specials and discounts on campus, including theater and athletic events. Selected businesses in the community also give discounts to students with an Eagle Card. For more information see the ASB web page.

Programs sponsored by the ASB include dances, Homecoming activities, holiday events, basketball concessions, and special events throughout the year. ASB members also represent students in shared governance activities on campus and are active in SSCCC, a state-wide organization which represents 2.5 million California community college students.

The ASB is dedicated to serving the diverse needs of students on campus and members are available to meet with students and discuss their concerns.

Upward Bound
www.siskiyous.edu/upwardbound

The College of the Siskiyous Upward Bound program is designed to provide local area high school students with the motivational support and the educational skills necessary to graduate to higher education and succeed. The Upward Bound program provides workshops, college tours, cultural outings, supplemental learning and tutoring opportunities during the academic year as well as an academic six week residential program during summer break. Siskiyous Upward Bound is funded from 2012-2017 entirely from the U.S. Department of Education in the amount of $324,000 annually.
Administration

NANCY FUNK, CPA
Vice President, Administrative Services
Bachelors of Science in Business Administration, Accounting Emphasis, California State University Chico, Chico, CA. COS 2014.

GREG SOUTH, Ph.D.
Interim Vice President, Academic Affairs
Associate of Arts, Yuba College, CA; Bachelor of Arts in Sociology, California State University, Chico, CA; Masters of Arts in Physical Education/Sociology and Psychology of Sport Motor Learning, California State University, Chico, CA; Doctor of Philosophy in Education, University of Idaho, ID. COS 2012.

DENNIS ROBERTS
Assistant Dean – Kinesiology, Health, and Athletics
Bachelor of Arts in Interdisciplinary Studies, Southern Oregon State University; Master of Science in Sports Management Studies, California University of Pennsylvania. COS 1985.

VALERIE ROBERTS
Interim Associate Dean – Student Success Programs
Bachelor of Arts, Psychology, Manchester College; Master of Library Science, University of Arizona. COS 1991.

NANCY SHEPARD
Associate Dean – Learning Resources & Technology
Bachelor of Arts in Psychology, Manchester College; Master of Library Science, University of Arizona. COS 1992.

ROBERT TAYLOR, Ph.D.
Dean – Career and Technical Education (CTE)
Bachelor of Science, Industrial Education, Central Michigan University, Mount Pleasant, MI; Master of Science, Occupational Education, University of Michigan, Ann Arbor, MI; Doctor of Philosophy in Vocational Education, Colorado State University, Fort Collins, CO. COS 2014.

DENNIS WEATHERS
Dean – Language Arts & Sciences (LAS)
Associate of Arts in Art, Ohlone College; Bachelor of Arts in Art, San Diego State University; Master of Arts in Art, San Diego State University; Advanced study, California State University, Hayward; Southern Oregon University. COS 1981.

NANCY MILLER
Executive Director – Human Resources
COS 1987.

BART SCOTT
Director – Research and Evaluation
Associate of Arts in Anthropology, Geography and Spanish, Cañada College; Bachelors of Science in Quantitative Analysis, University of Tampa; Masters of Business Administration, Santa Clara University. COS 2014.
Directors

KENT GROSS
Controller
Bachelor of Science in Business Administration/Accounting, Bloomsburg University of Pennsylvania; Associate of Science in Accounting, Montgomery County Community College. COS 2003.

JAN HARRIS
Director – Financial Aid
Associate of Arts, College of the Siskiyous. COS 2014.

DOUG HAUGEN, Ph.D.
Director – Student Life
Bachelor of Science in Home Economics, Washington State University; Master of Education, Higher Education Administration, Washington State University; Doctor of Philosophy, Educational Leadership, University of Nevada, Reno. COS 2003.

ERIC HOUCK
Director – Instructional Services
Bachelor of Arts in Computer Science, Seattle Pacific University. COS 2007.

DAWNIE SLABAUGH
Director – Public Relations & College Foundation
Associate of Arts in Business Administration; COS 1994.

Faculty

SHAWN ABBOTT
Economics, Accounting, Business
Bachelor of Arts in Economics, University of California at San Diego; Master of Business Administration (MBA), San Diego State University. COS 1999.

JUDE BALDWIN
Library
Bachelor of Arts in Theatre Arts, Cornell University. Master of Library and Information Studies, University of Rhode Island. COS 2012.

KEVIN BROUSSARD
Mathematics
Bachelor of Science, Portland State University; Master of Science in Mathematics, Portland State University. COS 1989.

CORA BROWNELL
Nursing
Bachelor of Arts, University of California, Berkeley; Bachelor of Arts, University of California, Berkeley; Master of Science in Nursing, Pace University and New York Medical College; Advanced study, Family Nurse Practitioner, Pace University. COS 2011.

BRIAN BUSK
Nursing
Bachelor of Science in Nursing, Oral Roberts University. Master of Science in Nursing, Oral Roberts University. COS 2013.
KIM BUTLER  
Nursing  
Bachelor of Science and Minor in Criminal Justice, Sonoma State University;  
Associate of Science in Nursing, College of the Siskiyous; Bachelor of Science in Nursing, Western Governors University. COS 2008.

NEIL CARPENTIER-ALTING  
Theatre Arts  
Bachelor of Science in Theatre Arts, Eastern Michigan University, Ypsilanti, Michigan; Master of Fine Arts in Scenic Design, Wayne State University, Detroit, Michigan. COS 2008.

JESSE CECIL  
Computer Science  
Associate of Science, Yuba College; Bachelor of Science in Mathematics, University of California, Davis; Master of Science in Computer Science, Artificial Intelligence, California State University, Chico. COS 2004.

DAVID CLARKE  
Biology  
Bachelor of Science in Biology, California State University, Stanislaus; Master of Science in Biology, San Diego State University; Advanced Study, Global Change Research Group, San Diego State University; University of Washington. COS 1996.

HALLIE COPPI  
Nursing  
Bachelor of Science in Nursing, Drexel University; Bachelor of Arts in Business Administration, Gonzaga University. COS 2013.

MARIA ELENA FERNANDEZ  
English  
Bachelor of Arts and Master of Arts in English, California State University, Sacramento; Advanced Study in Theater, California State University, Sacramento; Advanced Study in Humanities, California State University, Dominguez Hills. COS 1994.

TIM FRISBIE  
Physical Education  
Bachelor of Science, California State University, Hayward; Master of Education, Temple University, Philadelphia, PA; Advanced Study, United States Sports Academy. COS 1999.

JAMES GILMORE  
Photography, Digital Art  
Bachelor of Fine Arts, University of San Francisco; Master of Fine Arts, Philadelphia College of Art and Design (University of the Arts). COS 2000.

MICHAEL GRAVES  
Computer Science, Business  
Bachelor of Science, Norwich University; Master of Business Administration (MBA), Oklahoma City University; Military Science (MS), United States Army Command and General Staff College; Advanced study, UCLA; Lieutenant Colonel (retired), US Army. COS 1999.

SUNNY GREENE  
Disabled Students Programs and Services (DSPS) Director, Counselor, Learning Disabilities Specialist  
Associate of Arts, College of the Siskiyous; Bachelor of Science in Psychology, Human Services Certificate, Oregon State University; Master of Arts in Education, School Psychology Credential, University of California, Davis; Doctoral Student PhD in Education, Community College Leadership, Walden University. COS 2000.
DENIS HAGARTY  
Counselor, Psychology  
Bachelor of Arts in English, Sacramento State University;  
Master of Science in Psychology, National University, San Diego;  

JENNY HEATH  
Chemistry  
Bachelor of Science in Biochemistry, California Polytechnic State University;  
Master of Science in Agricultural and Environmental Chemistry, University of California, Davis. COS 2008.

BILLY HEFFLINGER  
Physical Education-Baseball  
Associate of Arts, College of the Siskiyous; Bachelor of Arts, York College; Master of Science, Azusa Pacific University. COS 2007.

WILLIAM H. HIRT, Ph.D.  
Geology  
Bachelor of Science and Master of Science in Geology, University of California, Los Angeles; Doctor of Philosophy in Geological Sciences, University of California, Santa Barbara. COS 1991.

AHMED ISMAIL, Ph.D.  
Social Sciences  
Bachelor of Science, Lake Superior State University;  
Master of Arts, Ohio University; Doctor of Philosophy in Political Science, Northern Arizona University. COS 2001.

SEAN W. KENNY  
Art, Art History  
Bachelor of Arts, Biology, California State University, Chico;  
Bachelor of Arts, Chemical Science, California State University, Chico;  
Bachelor of Fine Arts, The School of the Art Institute of Chicago; Master of Fine Arts, Virginia Commonwealth University. COS 2000.

TOM POWERS  
Physical Education, Coach  
Associate of Arts in General Education, Butte College; Bachelor of Arts in Physical Education, Central Washington State University; Master of Arts in Physical Education, California State University, Chico. COS 1983.

MICHAEL D. READ  
Engineering, Physics  
Bachelor of Science, University of Texas; Bachelor of Science in Physics, Southern Oregon State College; Master of Science, University of California, Berkeley; Advanced study, University of Colorado at Boulder; University of Washington, Humboldt State University; California State University, Hayward; San Francisco State University. COS 1984.

STEVE REYNOLDS, Ph.D.  
Language Arts and Sciences  
Associate of Arts, San Joaquin Delta College; Bachelor of Science in Organizational Behavior, University of San Francisco; Master of Arts in English with emphasis in Teaching Writing, California State University, Stanislaus; Doctorate of Education in Community College Leadership, University of Texas, Austin. COS 1999.

CHARLIE ROCHE  
Physical Education, Coach  
Associate of Arts, College of the Siskiyous; Bachelor of Arts in Sociology, Eastern Illinois University; Master of Science in Exercise Science/Health Promotion: Fitness/Wellness, California University of Pennsylvania. COS 2011.
Faculty

RONALD SLABBINCK  
Music  
Bachelor of Arts in Music Education, Western Michigan University; Master of Arts in Music with an emphasis in Conducting, California State University, Sacramento; Doctoral Candidate, St. Mary’s College. COS 2014.

PATRICE THATCHER–STEPHENS  
Early Childhood Education  
Bachelor of Arts in Political Science, University of California, Davis; Master of Arts in Teaching, Early Childhood Education/ Human Development, Mills College; Advanced study, Episcopal Theological School at Claremont, Claremont College. COS 2004.

MICHAEL E. TISCHLER, Ph.D.  
English  
Bachelor of Arts in English, State University of New York at Potsdam; Master of Arts in English, St. Bonaventure University; Doctor of Philosophy in English, University of Nevada, Las Vegas. COS 2009.

JAYNE TURK  
Speech Communication  
Associate of Arts in Speech, Modesto Junior College; Bachelor of Arts in Communication, California State University, San Bernardino; Master of Arts in Speech Communication/ International Business Communication, Colorado State University; Advanced study, Chapman University. COS 1999.

CHRIS D. VANCIL  
History  
Bachelor of Arts in History, Fort Hays State University; Master of Arts in History, Fort Hays State University; Advanced Study in History, Kansas State University. COS 2007.

ALISON VARTY  
Biology  
Bachelor of Science in Biology, minor in Environmental Studies, University of Michigan Residential College  
Master of Science in Botany, University of Wisconsin–Madison. COS 2009.
Associate Degree Requirements

An Associate in Arts Degree or an Associate in Science Degree is awarded to students who complete the requirements listed below. Students must complete the Graduation Petition and the Associate Degree Worksheet forms and submit both to Counseling Services by April 1 of the year they intend to graduate.

Units: Complete a minimum of 60 semester units of associate degree applicable college credit.

Grade Point Average (GPA): Earn a minimum 2.0 Grade Point Average in the 60 degree-applicable units.

Residence: At least 12 units of the degree requirements must be completed from College of the Siskiyous.

General Education: Complete the COS associate degree general education pattern.

Major: Complete a major or an area of emphasis with a minimum grade of C in each course.

Electives: Complete associate degree applicable electives if needed for the total of 60 units.

General Education patterns are subject to changes. Students need to check with an advisor or a counselor for updated information.

Transfer students are strongly advised to meet with an advisor or counselor to develop an education plan to satisfy the lower division major requirements and the general education requirements for their intended university.

SB 1440 Transfer Degrees

The Associate in Arts for transfer (AA-T) or Associate in Science for Transfer (AS-T) degrees are associate degrees that comply with the Student Transfer Achievement Reform Act (SB 1440, now codified in California Education Code sections 66746-66749, effective Fall 2011). The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
   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. Students must earn a C or better in all courses required for the major or area of emphasis.

2. Obtainment of a minimum grade point average (GPA) of 2.0. (Some majors may require a higher GPA.)

The Associate Degree for Transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students should consult with a counselor to check whether this degree is the best option for your transfer goal.

Second Associate Degree

Program: The program for the second degree must have a different program title than the program for the first degree. Students who have been awarded an AA/AS Degree, however, may be awarded an AA-T/AS-T Degree with the same program title as the first degree.

Additional Units: Complete 20 additional units of associate degree applicable coursework beyond those used for the first degree for a total of 80 units.

Grade Point Average: Earn a minimum 2.0 Grade Point Average in the 60 units used for the second degree.

Residence: At least 12 units of the degree requirements must be completed from College of the Siskiyous.

General Education: Complete the applicable general education requirements for the student’s catalog year.

Award of Multiple Degrees: Students may be awarded multiple degrees in a single term.

Double Major: Students may earn an associate degree with two majors by completing the requirements for both majors. Although both majors appear on the student’s transcript, the student is awarded one degree and one diploma. When a degree with a double major is awarded, the second major may not at a later time be part of a second associate degree.

For additional degrees beyond second degree or double major, please contact an advisor or a counselor.

General Education Philosophy

As citizens of the world, our students will be confronting complex personal, social, cultural, and political issues. Our purpose is to prepare them to thrive in this world. Students will need a wide variety of skills, understandings, sensitivities, and perspectives from all the academic disciplines: Natural Sciences, Social and Behavioral Sciences, and the Humanities and Fine Arts. They will need to understand the basic principles of these academic disciplines, their methods of inquiry, their history, and impact on society, and their relationships to each other.

Our students will also need a set of skills that transcend the traditional disciplines. They will need to think critically, to communicate effectively, to reason using quantitative models, and to maintain their physical and mental well being.

It is our belief that completion of the College of the Siskiyous’ General Education requirements will help to prepare our graduates for life as informed, active, and ethical citizens of this multicultural world.
General Education Student Learning Outcomes

Area A: English Composition / Information Competency
Upon successful completion of the course, the student should be able to:
1. Use the stages of the writing process to construct effective, coherent paragraphs and documents.
2. Edit documents for style appropriate for the writing situation.
4. Use the stages of the research process to construct focused and successful research strategies.
5. Locate and evaluate for credibility information provided by the library, Internet resources, and other sources.
6. Demonstrate an understanding of the ethical and legal principles surrounding information and information technology, including plagiarism and copyright.
7. Organize and integrate researched information into documents by properly using quotations, paraphrases, and summaries and by accurately citing sources using recognized documentation formats (e.g. MLA or APA).

Area B: Mathematics
Upon successful completion of the course, the student should be able to:
1. Set up, manipulate, graph, solve, or apply standard algebraic expressions and equations.

Area C: Natural Science
Upon successful completion of the course, the student should be able to:
1. Demonstrate a basic knowledge of a discipline's major facts and concepts.
2. Determine whether or not a proposed explanation, experimental result, or observation is consistent with a scientific hypothesis for a natural phenomenon and effectively communicate that analysis to others.
3. Correctly formulate, solve, and interpret the results of a variety of problems relevant to a natural science.

Area D: Humanities
Upon successful completion of the course, the student should be able to:
1. Demonstrate an awareness of the ways in which people through the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation.
2. Demonstrate an understanding of the interrelationship between the creative arts, the humanities, and themselves.
3. Demonstrate the ability to analyze and appreciate works of philosophical, historical, literary, aesthetic, and cultural importance.

Area E: Social and Behavioral Sciences
Upon successful completion of the course, the student should be able to:
1. Understand the principles, perspectives and methods of inquiry used by the social and behavioral sciences.
2. Critically explain how people act and have acted in response to their societies.
3. Demonstrate an understanding of how societies and social subgroups operate.
4. Demonstrate and understand social and behavioral sciences research methodology and effectively communicate research results and conclusions.

Area F: Communication and Analytical Thinking
Upon successful completion of the course, the student should be able to:
1. Demonstrate the relationship between language and logic by using evaluative thought processes.
2. Use elementary inductive and deductive processes to solve problems.
3. Analyze situations presented to an educated citizen and recognize common logical errors or fallacies.
4. Develop clear and precise expression of ideas in whatever symbol system the student uses.

Area G: Wellness
Upon successful completion of the course(s), the student should be able to:
1. Demonstrate knowledge of the major facts and concepts of physical fitness.
2. Demonstrate practical techniques for assessing one's own fitness status.
3. Participate in correctly performed activities designed to improve or maintain physical fitness.
4. Compare and contrast the potential risks as well as benefits associated with exercise.

Area H: Reading Competency
This GE area has been incorporated into Area A effective 2014-15.

Area I: Diversity
Upon successful completion of the course, the student should be able to:
1. Identify and explain diverse cultural customs, beliefs, traditions or life styles or to contrast the experience of a historically under-represented group with that of the dominant culture.
2. Demonstrate an understanding of personal, social, or historical biases and prejudices.
2015-2016 General Education Requirements

- The course used to complete areas A, B, C, D, E, and F must be a minimum of 3 semester or 4 quarter units.
- Courses that are listed in more than one area may only be used to satisfy one requirement.

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**AREA A.** ENGLISH COMPOSITION – INFORMATION COMPETENCY Complete one course with a grade of C or better. 
ENGL 1001, 1004.

**AREA B.** MATHEMATICS Complete one of the following with a grade of C or better: 
BA 0959, MATH 0980, 1010, 1050, 1100, 1200, 1400, 1500, 2400, 2500, 2600.

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**AREA C.** NATURAL SCIENCES Complete one of the following with a grade of C or better: 
ANTH 1020, CHEM 1000, 1100, 2000, 2100. 
ASTR 1110, ENVS 1002. 
BIO 1000, 1400, 1500, 1600, 1700, 2100, 2200, 2600, 2700, 2800.

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**AREA D.** HUMANITIES Complete one of the following: 
ART 1000, 1001, 1002, 1004, 1006, 1009, 1010, 1011, 1013. 
ASL 1020, 1521. 
COMS 1500. 
ENGL 1019, 1033, 1501, 2036, 2042, 2044, 2046, 2544, 2546.

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**AREA E.** SOCIAL AND BEHAVIORAL SCIENCE Complete one of the following: 
ADHS 2526. 
ADJ 1001, 1517. 
ANTH 1010, 1050, 1070, 1080, 1090. 
ECE 1002, 1003, 1999, 2500. 
ECON 1010, 1020.

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**AREA F.** COMMUNICATION AND ANALYTICAL THINKING Complete one of the following: 
BA 1001, 1006. 
COMS 1100, 1200, 1300. 
CSCI 1001, 1004, 1007, 1512. 
ENGL 1502.

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**AREA G.** WELLNESS. Complete one of these options: 

- **Option 1. Athletics** Complete one course from: 
  PEMA 1006, 1007, 1008, 1010, 1011, 1014, 1015, 1016, 1106, 1107, 1108, 1110, 1111, 1114, 1115, 1116.

- **Option 2. Fitness** Complete FIRE 0950 or military basic training or two units from any PEFI course.

- **Option 3. Activity + Lecture** 
  - **Activity:** Complete one course from: any PEAC; any PEFI; THEA 1305, 1310, 1320.
  - **Lecture:** Complete one of the following: HEA 1009, 1010, FCS 1011, PEMA 1030, 1039; the COS LVN–RN Step-Up program.

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**AREA H.** READING COMPETENCY

This GE area has been incorporated into Area A effective 2014-15 and is no longer required.

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**AREA I.** DIVERSITY Complete one of the following: 
ADHS 2526; ECE 1502, 2500; ENGL 1038, 2042, 2544; ETHN 1001; ERSC 1001; HIST 1008; MUS 1234, 1633; PHIL 1020, 1021; PSY 1004; SOC 1002, 1035; Completion of the COS LVN to RN Step-Up program for the ADN-Nursing degree.

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**Graduation Requirements:**

- General education
- Major
- 60 degree applicable units
- 2.0 GPA
- Residency

NOTE: Updates are frequently made to this document. The most current edition is available at: www.siskiyous.edu/counseling/advisingresources.htm
2015-2016 Lower Division General Education Requirements
(Southern Oregon University and other universities also accept completed CSUGE.)

Completion of 60 CSU transferable units, including CSUGE, will permit you to transfer with the CSU lower-division general education requirements satisfied. To qualify for CSU admission, complete Areas A1, A2, A3 and B4 and 30 units from this page with a grade of C or better in each course. Completion of lower division major requirements is strongly advised. Meet with an advisor or counselor to discuss your transfer plans. Courses that are listed in more than one area may only be used to satisfy one requirement.

___ AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING
Complete three courses, one course from each of the following categories. Minimum total 9 semester or 12 quarter units.

___ A2. Written Communication: ENGL 1001.
___ A3. Critical Thinking: ENGL 1502; PHIL 1004; PHYS 1020.

___ AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING
Complete one course from each category. One of the B1 or B2 courses must have a lab. Minimum total 9 semester or 12 quarter units.

___ B1. Physical Science: ASTR 1110, CHEM 1000, 1100, 2000, 2100; GEOG 1110; GEOL 1110, 1120, 1130, 1140, 1210, 1220; PHYS 1001, 1010, 1105, 1110, 1120, 2105, 2110, 2115;
___ B2. Life Science: ANTH 1020; BIO 1000, 1400, 1500, 1600, 1700, 2100, 2200, 2600, 2700, 2800; ENVS 1002.
___ B3. Laboratory: Any underlined course from category B1 or B2.
___ B4. Math: MATH 1010, 1050, 1100, 1200, 1400, 1500, 2400, 2500, 2600.

___ AREA C: ARTS AND HUMANITIES
Complete three courses with at least three units from category C1 and C2. Minimum 9 semester or 12 quarter units.

___ C1. Arts: ART 1000, 1001, 1004, 1006, 1009, 1010, 1011, 1013; COMS 1500; MUS 1004, 1131, 1234, 1633; THEA 1100, 1600, 2000, 2400, 2600.
___ C2. Humanities: ASL 1020, 1521; ENGL 1019, 1033, 1501, 2036, 2042, 2044, 2046, 2544, 2546; HIST 1009, 1010, 1046, 1047; HUM 1001, 1005; PHIL 1001, 1003, 1009, 1010, 1011, 1012, 1014, 1015, 1020, 1021; SPAN 1010, 1520, 2010, 2520.
___ C3. Arts or Humanities: Complete an additional course from C1 or C2. ____________

___ AREA D: SOCIAL SCIENCES U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS
Complete one course from each category. Minimum 9 semester or 12 quarter units.

___ D3. Social, Political, Economic Institutions, and Behavior: ADHS 2526; ADJ 1001; ANTH 1010, 1050, 1070, 1080, 1090; ECE 1003, 2500; ECON 1010, 1020; ENGL 1038; ETHN 1001; HIST 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1022, 1042, 1043, 1044, 1046, 1047, 1049; POLS 1007; PSY 1001, 1003, 1004, 1502; SOC 1001, 1002, 1035.

___ AREA E: LIFELONG LEARNING AND SELF DEVELOPMENT
Complete one course. Minimum 3 semester or 4 quarter units.

___ E. ECE 1002, 1999; FCS 1011; HEA 1009, 1010; PEMA 1030, 2137; PSY 1001.

NOTE: Updates are frequently made to this document. The most current edition is available at: www.siskiyous.edu/counseling/advisingresources.htm
Intersegmental General Education Transfer Curriculum
2015-2016 University of California and California State University
(Southern Oregon University and many other universities also accept completed IGETC.)

Completion of 60 UC transferable units including IGETC with a grade of C or better in each IGETC course will permit you to transfer with the CSU and UC lower-division general education requirements satisfied. To qualify for UC admission, complete Areas 1A, 1B, 2, plus four courses from at least two of Areas 3, 4, and 5. Completion of lower division major requirements is strongly advised. Meet with an advisor or counselor to discuss your transfer plans. Courses that are listed in more than one area may only be used to satisfy one requirement.

__ AREA 1. ENGLISH COMMUNICATION

CSU: Complete 3 courses one each from 1A, 1B, and 1C. Minimum 3 semester or 4 quarter units each.
UC: Complete 2 courses one each from 1A and 1B. Minimum 3 semester or 4 quarter units each.

__ 1A. English Composition: ENGL 1001. (UC Berkeley requires ENGL 1001, 1501, 1502)
__ 1B. Critical Thinking: ENGL 1502.
__ 1C. Oral Communication: COMS 1100, 1200, 1300. (CSU requirement only)

__ AREA 2. MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING

Complete one course. Minimum 3 semester or 4 quarter units.

__ 2. Mathematics: MATH 1010, 1050, 1100, 1200, 1400, 1500, 2400, 2500, 2600.

__ AREA 3. ARTS AND HUMANITIES

Complete at least 3 courses with at least one from 3A and 3B. Minimum total 9 semester or 12 quarter units.

__ 3A. Arts: ART 1000, 1001; MUS 1004, 1131, 1234, 1633; THEA 2000, 2400.
__ 3B. Humanities: ENGL 1033, 1501, 2028, 2036, 2042, 2044, 2046, 2544, 2546; HIST 1004, 1005, 1006, 1007, 1009, 1010, 1017, 1018, 1043, 1046, 1047; HUM 1001, 1005; PHIL 1001, 1003, 1009, 1010, 1011, 1012, 1014, 1015, 1020, 1021; SPAN 1010, 2520.
__ 3C. Complete an additional course from 3A or 3B

__ AREA 4. SOCIAL AND BEHAVIORAL SCIENCES

Complete at least 3 courses from at least two disciplines. Minimum total 9 semester or 12 quarter units.

__ 4. ANTH 1010, 1050, 1070, 1080, 1090; ECE 1002, 1999, 2500; ECON 1010, 1020; ENGL 1038; ETHN 1001; HIST 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1017, 1018, 1022, 1042, 1043, 1044, 1046, 1047, 1049; POLS 1001, 1007; PSY 1001, 1003, 1004, 1502; SOC 1001, 1002, 1035.

__ AREA 5. PHYSICAL AND BIOLOGICAL SCIENCES

Complete one from 5A and 5B; one must be a lab course. Minimum total 7 semester or 9 quarter units.

__ 5A. Physical Science: ASTR 1110; CHEM 1000, 1100, 2000, 2100; GEOG 1110; GEOL 1110, 1120, 1130, 1140, 1210, 1220; PHYS 1001, 1010, 1105, 1110, 2105, 2110, 2115.
__ 5B. Biological Science: ANTH 1020; BIO 1000, 1400, 1500, 2100, 2200, 2600, 2700, 2800; ENVS 1002.
__ 5C. Laboratory: Complete one underlined course.

__ AREA 6. LANGUAGES OTHER THAN ENGLISH (UC requirement only).

__ 6A. One Level 2 or higher college course: ASL 1521; SPAN 1520, 2010, 2520.
__ 6B. Two years of the same language in high school. (High school transcripts required)
__ 6C. Proficiency exam administered by the UC Campus.

CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS

Not part of IGETC. Complete one course from each category A and B below. Each CSU campus has discretion whether to allow courses used to satisfy this graduation requirement to also count in IGETC Area 4.

__ A. U.S. History: HIST 1017 or 1018.
__ B. Constitution and American Ideals: POLS 1001.

NOTE: Updates are frequently made to this document. The most current edition is available at: www.siskiyous.edu/counseling/advisingresources.htm
SOUGE — Southern Oregon University

2015-2016 University Studies (General Education) Requirements
(Southern Oregon University also accepts completed IGETC & CSUGE.)

SOU/COS Exchange Permit Requirements: You must be a California resident, not have a bachelor’s degree, and have completed a minimum of 24 semester units of transfer-level courses at COS with at least a 2.25 COS transfer GPA. The exchange permit waives the out-of-state tuition. The permit is only for a 4-year (12 quarters) undergraduate degree minus any transfer units earned at other universities or colleges.

Transfer Admission Requirements: Minimum cumulative transfer GPA: 2.25. Minimum transfer units: 24 transfer semester units or an Associate Degree from COS and a minimum 2.0 transfer GPA. Foreign Language: High school graduates from 1997 or later must have completed 2 years of high school or 2 terms of college in the same language with a grade of “C” or better, or SOU foreign language proficiency assessment. American Sign Language is acceptable for this requirement. Questions please contact SOU Admissions at 541.552.6411 or Nationwide toll-free phone number: 800.482.7672.

Lower Division Major Requirements: This COS website has the lower division requirements for your major at SOU which can be completed at COS: www.siskiyous.edu/counseling/Articulation/SouCosmajorprep.htm

University Studies Requirements: SOU also accepts IGETC and CSUGE in lieu of the requirements below. Discuss these options with your COS advisor or counselor. The courses below can also satisfy requirements in your major or minor. You may transfer a maximum of 82 semester units to SOU. Toll-free number for SOU: 800.482.7672.

___ WRITING & ORAL COMMUNICATION
Complete all three with grade of C or better.
   ___ ENGL 1001.
   ___ ENGL 1502.
   ___ COMS 1100 or 1200 or 1300.

___ QUANTITATIVE REASONING
Complete one course.
   MATH 1010, 1050, 1100, 1200, 1400, 1500, 2400, 2500, 2600.

___ HUMANITIES EXPLORATION
Complete two courses from the following. Minimum total 6 semester units.
   ART 1000, 1001; ENGL 1019, 1020, 1021,1022, 1033, 1038, 1501, 2036, 2044, 2046, 2544, 2546; ETHN 1001; HUM 1001, 1005; MCOM 1100; MUS 1131, 1234, 1633; PHIL 1001, 1003, 1004, 1009, 1010, 1011, 1012, 1014, 1015, 1020, 1021; SPAN 2010, 2520; THEA 2000.

___ SOCIAL SCIENCE EXPLORATION
Complete two courses from the following. Minimum total 6 semester units.
   ADJ 1001; ANTH 1010, 1020, 1050, 1070, 1080, 1090; BA 1006; ECE 2500; ECON 1010, 1020; EDUC 1002; HEA 1010;
   HIST 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1017, 1018, 1022, 1041, 1044, 1046, 1047, 1049; POLS 1001, 1007;
   PSY 1001, 1003, 1004, 1502; SOC 1001, 1002, 1031, 1033, 1035.

___ SCIENCE EXPLORATION
Complete two lab science courses from the following. Minimum total 8 semester units.
   BIO 1000, 1600, 1700, 2100, 2200, 2600, 2700, 2800; CHEM 1000, 1100, 2000, 2100; ENVS 1002; GEOL 1210, 1220;
   PHYS 1001, 1105, 1110, 2105, 2110, 2115.

Bachelor of Science Degree
Complete 6 semester or 7 quarter units in any transfer math, or designated programming or Logic (PHIL 1004) courses. Complete at least 32 semester or 48 quarter units from Business, Computer Science, Mathematics, Natural Science, and Social Science curricula. See the SOU catalog for qualifying courses.

Bachelor of Arts Degree
Complete one year of foreign language at the second year level (SPAN 2010 + 2520) or four years in a single language in high school or pass language exam at SOU. American Sign Language is not accepted for this requirement. Complete at least 32 semester or 48 quarter units from Arts & Humanities curricula. See SOU catalog for qualifying courses.
## Associate Degree and Certificate Programs

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<tr>
<th>Program Type</th>
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<tr>
<td>AS</td>
<td>Associate in Science Degree</td>
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<tr>
<td>AA-T</td>
<td>Associate in Arts Degree for Transfer</td>
</tr>
<tr>
<td>AS-T</td>
<td>Associate in Science Degree for Transfer</td>
</tr>
<tr>
<td>COA</td>
<td>Certificate of Achievement (California State approved)</td>
</tr>
<tr>
<td>C</td>
<td>Certificate (College of the Siskiyous approved)</td>
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</tbody>
</table>

### Administration of Justice
- Administration of Justice (AA, AS-T)
- Level II Reserve Officer (C)
- Level III Reserve Officer (C)

### Alcohol and Drug /Human Services
- Alcohol and Drug (AS, COA)
- Human Services (AS, COA)

### Anthropology
- Anthropology (AA)

### Art
- Art (AA)
- Graphic Design (C)
- Web Design (C)

### Biology
- Biology (AS)

### Business
- Accounting (AA, COA)
- Administrative Assistant (AA, COA)
- Business Administration (AA, AS-T)
- Business Effectiveness (C)
- E-Business (C)
- Entrepreneurship (C)

### Chemistry
- Chemistry (AS)

### Communication Studies
- Communication Studies (AA, AA-T)

### Computer Science
- Computer Science
- Computer Science (AS)

### Computer Science
- Computer Science (AS)
- Game Design (C)
- PC Network/Hardware/Software (C)
- Programming (C)
- Web Design (C)
- Creative Writing (COA)
- Early Childhood Education (AA, AS-T)
- Engineering (AS)
- English
  - English (AA, AA-T)
  - Creative Writing (COA)
  - English as a Second Language (C)
- Environmental Science (AS)
- Environmental Resources
  - Power Generation Technology (AS, COA)
  - Sustainable Communities (AS, COA)
- Fire/Emergency Response Technology
  - Fire/Emergency Response Technology (AS)
  - Firefighter I (COA)
  - Firefighter II (C)
  - Fire Officer (C)
  - Volunteer Firefighter (C)
  - Wildland Fire Fighter Basic Training (C)
- History (AA)
- Humanities (AA)
- Liberal Arts and Sciences with Areas of Emphasis
  - Humanities (AA)
  - Multicultural Studies (AA)
- Natural Science (AS)
- Social Science (AA)
- Mathematics (AS, AS-T)
- Media Communication (AA, C)
- Music
  - Instrumental Performance (AA)
  - Musical Theater (AA)
  - Vocal Performance (AA)
- Nursing
  - CNA-Certified Nurse Assistant (C)
  - LVN-Licensed Vocational Nurse (AS, COA)
  - LVN to RN Step-Up (AS)
- Philosophy (AA)
- Physical Education
  - Athletic Training (AS)
  - Kinesiology (AS)
  - Personal Trainer (C)
- Physical Science (AS)
- Physics (AS, AS-T)
- Psychology (AA)
- Social Science (AA)
- Spanish (AA)
- Theatre Arts
  - Musical Theatre (AA)
  - Theatre Arts (AA, AA-T)
  - Technical Theatre (C)
- Transfer Studies
  - CSU General Education – Breadth (CSUGE) (COA)
  - Intersegmental General Education Transfer (IGETC) (COA)
  - Welding
    - Welding (AS)
    - Basic Level (COA)
    - Advanced Level (COA)

Contact Counseling and Support Services at 530.938.5353 if you have any questions about the program offerings at College of the Siskiyous.

## General Course Information

### Course Numbering System

College of the Siskiyous now uses a four-digit course numbering system, effective summer 2011:
- **0200–0299**: Experimental courses offered on a trial basis.
- **0300–0399**: Fee-based community services courses; not degree applicable.*
- **0400–0499**: Courses used for Learning Communities.
- **0500–0699**: Non-credit courses; not degree applicable.
- **0800–0899**: Credit courses, not degree applicable.
- **0900–0999**: Credit courses, degree applicable, but not university level.
- **1000–2999**: Credit courses, degree applicable, and university level.
- **9000–9999**: Professional training courses.

All courses offered at COS meet the standards of California Administrative Code, Title 5; Section 55002.

*Community Services courses are offered through COS Extension. These courses are not listed in this catalog, and offerings vary based on needs and availability. Please check Schedule of Classes each semester.
Course Coding System
Each course has a code in parentheses, which indicates the applicability or transferability of the course. The codes are:

NDA – Non-Degree Applicable. Credit earned does not apply toward the Associate Degree.
AA – Applicable to an Associate Degree.
CSU – Transferable to California State University (CSU) campuses.
UC – Transferable to University of California (UC) campuses with the following limitations:
- ART 1031, 1032: maximum credit, one course.
- No credit for BIO 1500 if taken after BIO 2700 or 2800.
- No credit for BIO 1000 if taken after BIO 2100 or 2200.
- No credit for CHEM 1000 if taken after CHEM 2000.
- CHEM 1000, 1100: maximum credit, 6 units.
- ECE 1002, 1999: maximum credit, one course.
- GUID 1005, MUS 1022: maximum credit, one course.
- MATH 1100, 1200: maximum credit, one course.
- PEAC, PEFI, and PEMA activity courses: maximum credit, 4 units.
- PEMA theory courses, PEMA 1031, 1035, 1036: maximum credit, 8 units.
- PHYS 1105, 1110 and PHYS 2105, 2110, 2115: maximum credit, one series.

Updated lists of courses that are transferable to the UC and the CSU are published in ASSIST at www.assist.org.

Course Identification Numbering System (C-ID)
The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. However, students should always go to www.assist.org to confirm how each college’s course will be accepted at a particular four-year college or university for transfer credit. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Academic Support Courses
The following list of academic support courses provides students additional assistance in various disciplines and study skills:

- CSCI 0870 – Computer Lab
- EDUC 0596 – Supervised Tutoring
- EDUC 0670 – Critical Skills Lab
- ENGL 0870 – Writing Lab

These are open-entry courses. Student attendance is established and monitored by the CI Track software, which is activated through a log-on process.

Special Studies 2929 Courses
With the approval of the instructor and the administration, academic credit can be earned in major subject areas through special studies under the 2929 course number. The student may earn no more than four units of Special Study credit. This course serves to provide capable students in laboratory assistance, development of a research project or supervised study in an area of special interest to the student.

The number of units which may be earned can be arranged by the student and instructor depending on the amount of time which the student is able to devote to the activities of the course up to a maximum of two units each semester. Units are to be earned at the rate of one semester unit for every three hours per week per semester as arranged.

Repeateable Courses
Courses approved as being repeatable are identified as such at the end of the course description both in the catalog and the schedule of classes.

Course Prefixes

ADHS – Alcohol, Drug, and Human Services
ADJ – Administration of Justice
AG – Agriculture
ANTH – Anthropology
ART – Art
ASL – American Sign Language
ASTR – Astronomy
AV – Aviation
BA – Business Administration
BIO – Biology
CCT – Construction Craft Technology
CHEM – Chemistry
COMS – Communication Studies
CSCI – Computer Science
ECE – Early Childhood Education
ECON – Economics
EDUC – Education
EMHS – Emergency Management & Homeland Security
EMS – Emergency Medical Services
ENG – English
ENGR – Engineering
ENVS – Environmental Science
ERPG – Environmental Resources: Power Generation Technology
ERSC – Environmental Resources: Sustainable Communities
ETHN – Ethnic Studies
FCS – Family and Consumer Science
FIRE – Fire/Emergency Response Technology
GEOG – Geography
GEOI – Geology
GUID – Guidance
HEA – Health
HIST – History
HUM – Humanities
MATH – Mathematics
MCOM – Media Communications
MUS – Music
MUSI – Music Industry
NR – Natural Resources
NURS – Nursing
PEAC – Physical Education/Activity
PEFI – Physical Education/Fitness
PEMA – Physical Education Major/Athletics
PHIL – Philosophy
PHSC – Physical Science
PHYS – Physics
POLS – Political Science
PSY – Psychology
SOC – Sociology
SPAN – Spanish
THEA – Theatre Arts
WELD – Welding
WEE – Work Experience Education
Programs and Courses
Office of the Dean of Liberal Arts & Sciences
John Mantle Student Center
Weed Campus
530.938.5375

Administration of Justice

Program Coordinator
Jeremiah LaRue
530.938.5599

General Description
The Administration of Justice curriculum prepares students for careers in a variety of criminal justice fields at the local, state, and national levels. The program is designed to instruct students on the principles of the federal, state, and local justice systems and subsystems. Emphasis is placed on academic and practical exposure to Crime Scene Investigation, Criminal Law, Criminal Investigations, Forensics, Emergency Management, Homeland Security, Principles of Criminal Defense, Community Relations, Corrections, Firearms Training, Juvenile Law, Arrest and Control, Emergency Vehicle Operations, and California Law. The program at College of the Siskiyous allows students to complete an Associate of Arts degree or an Associate in Science degree for transfer to a California State University. The Administration of Justice Program also offers a comprehensive Public Safety Training Program including a Police Officer Academy and State-mandated training courses for the Law Enforcement Community.

Programs Learning Outcomes
Upon successful completion of this program the student should be able to:

• Critically evaluate theories, policies, and Criminal Justice professionals’ actions based on empirical evidence.
• Communicate and express themselves in a clear and professional manner.
• Demonstrate effective written and verbal communication skills.
• Demonstrate knowledge of policing, courts, and corrections.
• Demonstrate knowledge of the theories of crime and justice.
• Demonstrate an understanding of the diverse and multicultural nature of society.
• Demonstrate the ethical decision-making process in Criminal Justice professions and understand the individual, organizational, and societal implications of these decisions.

Career Options
The following list is a sample of the many career options available for the Administration of Justice or Criminal Justice majors. Many require an associate degree, some require a bachelor’s degree, and a few of these require a graduate-level degree: Deputy Sheriff, Police Officer, Detective, Correctional Officer, Probation Officer, FBI Agent, CIA Agent, Crime Scene Investigator, Alcohol, Tobacco and Firearms Agent, Emergency Management Director, Security Guard, Paralegal, Bailiff, Airport Security Officer, Secret Service Agent, Warden, Drug Enforcement Agent, Coroner, Attorney, Criminologist, US Marshal, Environmental Conservation Officer, and Juvenile Court Counselor.

Degree/Certificate Options
Associate in Arts Degree in Administration of Justice (AA)
Associate in Science Degree in Administration of Justice for Transfer (AS-T)

Certificates
Level III Reserve Officer Certificate
Level II Reserve Officer Certificate
PC 832 Reserve Officer Certificate

Associate in Arts Degree in Administration of Justice
Students who wish to major in the Administration of Justice program and plan to go on to a four-year institution are encouraged to pursue an Associate of Arts degree in Administration of Justice. The coursework is designed to offer the student a two-year degree program while preparing the student for typically required courses at a college offering a bachelor’s or higher degree program.

Administration of Justice students may complete all of their lower-division requirements at College of the Siskiyous.

Requirement for the Major
Complete the following:
ADJ 1001 – Introduction to Administration of Justice (3)
ADJ 1503 – Legal Aspects of Evidence (3)
ADJ 1505 – Criminal Investigation (3)
ADJ 1517 – Community Relations (3)
ADJ 2002 – Concepts of Criminal Law (3)
ADJ 2522 – California Statutory Law (3)

Complete one of the following:
ADJ 2014 – Level III Reserve Officer Training (9)
ADJ 2512 – PC 832 Reserve Officer Training (3)

Complete one of the following:
ADJ 2014 – Level III Reserve Officer (9)
ADJ 2506 – Patrol Procedures (3)
ADJ 2507 – Traffic Enforcement Concepts (3)
ADJ 2516 – Level II Reserve Officer (12)
ADJ 2524 – Introduction to Corrections (3)
ADJ 2526 – Principles of Criminal Defense (3)

Total Major Units: 24-39

Alternative major requirement:
ADJ 2050 – Basic Police Academy (34.5)
Satisfactory completion of ADJ 2050 (Basic Police Academy) will also fulfill completion of the major.

All courses must be completed with a grade of C or better.
Programs and Courses

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Science Degree in Administration of Justice for Transfer

The Administration of Justice Associate in Science Degree for Transfer will meet the needs of students transferring to a California State University who intend to study in an ADJ related major.

To obtain the Associate in Science Degree in Administration of Justice, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- Administration of Justice Major requirements below.
- California State University General Education (CSUGE) or Intersegment General Education Transfer Curriculum (IGETC)
- Additional transfer level electives to meet the 60 CSU transfer unit requirements

Requirements for the Major

Core - Complete the following: (6 units)
- ADJ 1001 – Introduction to Administration of Justice (3)
- ADJ 2002 – Concepts of Criminal Law (3)

List A – Complete two of the following: (6 units)
- ADJ 1503 – Legal Aspects of Evidence (3)
- ADJ 1505 – Criminal Investigation (3)
- ADJ 1517 – Community Relations (3)
- ADJ 2524 – Introduction to Corrections (3)

List B - Complete two of the following: (6-8 units)
- Any ADJ courses not used in List A above
  - MATH 1050 - Elementary Statistics (5)
  - PSY 1001 – General Psychology (3)
  - SOC 1001 – Introduction to Sociology (3)

Total Major Units 18-20

Double counting courses in GE and the major is permissible. (6-8 units double count with CSUGE.) Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificates

Administration of Justice

RESERVE OFFICER TRAINING

For various reasons, some students are unable to attend a full-time, intensive Police Academy. In order to accommodate future Law Enforcement Professionals, The Reserve Officer Training Program at College of the Siskiyous is offered at night and on the weekends to accompany the busy lives of students. The Reserve Officer Program breaks the Basic Police Academy into three modules:

- Module III (Level III) – approximately 200 hours
- Module II (Level II) – approximately 200 hours
- Module I (Level I) – approximately 500 hours

After successfully completing each module, students are certified with corresponding Reserve classification (Level III, Level II, and Level I).

LEVEL III RESERVE OFFICER

ADJ 2014 Level III Reserve Officer (9 units).
This course is the first in a 3-part modular series for Reserve Police Officer/Law Enforcement certification and training for the State of California. It includes all the required subject matter, learning goals, and performance objectives to be certified as a Level III Reserve Officer.

Note: All students who are not affiliated with an agency must submit to a fingerprint check and be cleared by the Department of Justice prior to being allowed to enroll. Contact the Administration of Justice Program Director at 530.841.5599 or the Office of Career and Technical Education at 530.938.5512 for instructions, information, and scheduling.

LEVEL II RESERVE OFFICER

ADJ 2516 – Level II Reserve Officer Certification (12 units)
This course is the second in a 3-part modular series for Reserve Police Officer/Law Enforcement certification and training for the State of California. It includes all the required subject matter, learning goals, and performance objectives to be certified as a Level II Reserve Officer.

Note: All students who are not affiliated with an agency must submit to a fingerprint check and be cleared by the Department of Justice prior to being allowed to enroll. Contact the Administration of Justice Program Director at 530.841.5599 or the Office of Career and Technical Education at 530.938.5512 for instructions, information, and scheduling.

LEVEL I RESERVE OFFICER

ADJ 2517 Basic Police Academy – Module I (22 units).
The course is the third and final component of the Modular Basic Police Academy training program. This course meets the California Commission on Peace Officer Standards and Training (P.O.S.T.) requirements for Level I Reserve Officer or Regular Peace Officer training when taken after completing Module III and Module II of the Basic Police Academy training.

Note: All students who are not affiliated with an agency must submit to a fingerprint check and be cleared by the Department of Justice prior to being allowed to enroll. Contact the Administration of Justice Program Director at 530.841.5599 or the Office of Career and Technical Education at 530.938.5512 for instructions, information, and scheduling.

PC 832 RESERVE OFFICER

ADJ 2512 (PC 832) (3 units)
The Arrest and Firearms (PC832) course consists of two components, which total a minimum of 64 hours. The Arrest component has a 40 hour requirement, and the Firearms component has a 24-hour requirement. These components are divided into 14 individual topics called Learning Domains.

Note: all students who are not affiliated with an agency must submit to a fingerprint check and be cleared by the Department of Justice prior to enrollment.
**Courses**

**ADJ 0854**  
**DRUG AWARENESS - 11550**  
1 unit, 16-18 lecture hours / 8-9 lab hours  
Graded  
Prerequisite: ADJ 2512  
This course is designed to assist law enforcement personnel in the recognition, identification, and corresponding tactical considerations in narcotics and drug enforcement. (NDA)

**ADJ 0955**  
**BASIC CORRECTIONAL OFFICER**  
8 units, 125 lecture hours / 51 lab hours  
Graded  
Prerequisite: ADJ 2512  
This course will meet the basic STC (Standards and Training for Corrections) core requirements for entry level positions within the State correctional system(s). Topics include law, prisoner handling and transport, evidence, search and seizure, and self-defense. In addition, successful completion of a CPR/First Aid and physical fitness component is required. (AA)

**ADJ 1001**  
**INTRODUCTION TO ADMINISTRATION OF JUSTICE**  
3 units, 48-54 lecture hours  
Graded  
This course introduces students to the criminal justice system in the United States and the roles of the police, courts and corrections in shaping justice policy. Focus is placed on crime measurement, explanations of crime, responses to crime, and current challenges. The course also examines the evolution of the justice system and the forces that shape justice policy in a cross-cultural context. (AA, CSU, UC) (C-ID: AJ 110)

**ADJ 1002**  
**INTRODUCTION TO FORENSICS**  
3 units, 48-54 lecture hours  
Graded  
This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances. (AA, CSU)

**ADJ 1200**  
**INTRODUCTION TO EMERGENCY MANAGEMENT**  
3 units, 48-54 lecture hours  
Graded  
Advisory: ENGL 0850  
This course is designed to instruct students in the theory and practice of emergency response to major incidents such as terrorist attacks and disasters both natural and man-made. Students will learn the responsibilities of local, state and Federal agencies, as well as the roles of mutual aid, inter-agency communications, and volunteer resources. (AA, CSU)

**ADJ 1503**  
**LEGAL ASPECTS OF EVIDENCE**  
3 units, 48-54 lecture hours  
Graded  
Origin, development, philosophy, and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search, and seizures; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies are major parts. (AA, CSU)

**ADJ 1505**  
**CRIMINAL INVESTIGATION**  
3 units, 48-54 lecture hours  
Graded  
History and fundamentals of investigation, crime scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, follow up and case preparation are major parts of this course. (AA, CSU)

**ADJ 1517**  
**COMMUNITY RELATIONS**  
3 units, 48-54 lecture hours  
Graded  
This is an in-depth exploration of the roles of the Administration of Justice practitioners and their agencies. Principal emphasis will be placed upon the professional image of the system of Justice Administration and the development of positive relationships between members of the system and public. (AA, CSU, UC)

**ADJ 2002**  
**CONCEPTS OF CRIMINAL LAW**  
3 units, 48-54 lecture hours  
Graded  
This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. (AA, CSU, UC) (C-ID: AJ 120)

**ADJ 2014**  
**LEVEL III RESERVE OFFICER TRAINING**  
9 units, 170 lecture hours  
Graded  
Prerequisite: DOJ fingerprint clearance (Penal Code 1351.5)  
Advisory: ENGL 0900  
This course is the first in a 3-part modular series for reserve officer/law enforcement certification and training for the State of California. It includes all the required subject matter, learning goals and performance objectives as prescribed by the California Commission on Peace Officer Standards, and Training. (P.O.S.T), and as required by Penal Code Section 832. This course is designed for those individuals who wish to become certified as a Level III reserve officer or to
continue their law enforcement training through the reserve officer certification process as a Level II. Once Level II is successfully completed, a student may wish to continue with the third and final module: The Level I Modular Academy to become a full, basic academy graduate. (AA, CSU)

ADJ 2050
BASIC POLICE ACADEMY
34.5 units, 304-342 lecture hours / 752-846 lab hours
Graded
Prerequisite: 1. Pass the State P.O.S.T. (Commission on Peace Officer Standards and Training) reading and writing exam or be hired by a P.O.S.T approved agency; 2. Department of Justice Clearance; 3. Medical Verification: obtain clearance from a licensed Physician to participate in intensive Physical Activity Commensurate with a Police Academy

Principles, procedures, and techniques of law enforcement; criminal law, patrol procedures, investigative procedures, writing law enforcement reports, defensive and offensive tactics, use of weapons, community relations, police vehicle operations, traffic enforcement, investigation of accidents, first aid and CPR; and the academic and physical skill training and assessment required by the state to meet the minimum standards to be eligible for employment as a peace officer in California. (AA, CSU)

ADJ 2506
PATROL PROCEDURES
3 units, 48-54 lecture hours
Graded
This course explores the theories, philosophies, and operational concepts of patrol procedures and field operations, examination and expectations of the police field officer. Emphasis is placed upon patrol and public service responsibilities, and their relationship to the total criminal justice system. (AA, CSU)

ADJ 2507
TRAFFIC ENFORCEMENT CONCEPTS/PROCEDURES
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900

The course covers traffic law enforcement, regulation and control, and fundamentals of traffic collision investigation and reconstruction. The California Vehicle Code is a major part of this course. (AA, CSU)

ADJ 2512
PC 832 – RESERVE OFFICER TRAINING
3 units, 67 lecture hours
Graded
Prerequisite: DOJ fingerprint clearance (Penal Code 13511.5)
Advisory: ENGL 0900

This course includes all subject matter, learning goals, and performance objectives as required by the California Commission on Peace Officer Standards and Training (POST), and as prescribed by Penal Code Section 832.6. Topics include Laws of Evidence, Leadership, Professionalism, and Ethics, Criminal Justice System, Policing the Community, Criminal Law, Search and Seizure, Investigation and Report Writing, Use of Force, Arrest/Control Techniques, and Firearms. Students may elect to take this course as a prerequisite to other courses. (AA, CSU)

ADJ 2516
LEVEL II RESERVE OFFICER CERTIFICATION
12 units, 221 lecture hours
Graded
Prerequisite: DOJ fingerprint clearance (Penal Code 13511.5)
Advisory: ADJ 2014, ENGL 0900

This course covers all the learning domains and performance objectives as mandated by POST (California Peace Officers Standards and Training) and Penal Code 832.6 for a student to be certified as a Level II Reserve Police Officer. As a Level II reserve officer, general law enforcement assignments are now authorized under the direct supervision of a peace officer that has completed the Regular Basic Course (academy graduate). The Level II reserve officer may also work assignments authorized for Level III officers without immediate supervision. (AA,CSU)

ADJ 2517
BASIC POLICE ACADEMY – MODULE I
22 units, 288-324 lecture hours / 200-225 lab hours
Graded
Prerequisite: ADJ 2516 and Students must receive a passing score on the Peace Officer Standards and Training (POST) Entry-Level Law Enforcement Test Battery (PELLETB)

Limitations on Enrollment: Students must have a recent medical clearance on file and obtain fingerprint clearance from the California Department of Justice. If a fingerprint clearance is on file at COS, and is no more than one year old, this requirement may be waived

The course is the third and final component of the Modular Basic Police Academy training program. This course meets the California Commission on Peace Officer Standards and Training (P.O.S.T.) requirements for Level I Reserve Officer or Regular Peace Officer training when taken after completing Module III and Module II of the Basic Police Academy training. (AA, CSU)

ADJ 2522
CALIFORNIA STATUTORY LAW
3 units, 48-54 lecture hours
Graded

An in-depth study and application of the California statutes and other substantive laws commonly encountered by the municipal, county, or state police officer, investigator or other criminal justice employee. The scope of the course includes misdemeanor and felony violations of the California Penal Code and other criminal statutes (Penal Codes). (AA,CSU)

ADJ 2524
INTRODUCTION TO CORRECTIONS
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 0900

This course provides a history and critical analysis of punishment, including the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice
System. The course will provide critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues. (AA, CSU)  
(C-ID: AJ 200)

ADJ 2525  
**JUVENILE PROCEDURES**  
3 units, 48–54 lecture hours  
Graded  
This course is an examination of the origin, development, and organization of the juvenile justice system as it evolved in the American justice system. The course explores the theories that focus on juvenile delinquency and law, courts and processes, and the constitutional protections extended to juveniles administered in the American justice system. (AA, CSU)

ADJ 2526  
**CRIMINAL COURT PROCESS**  
3 units, 48–54 lecture hours  
Graded  
Advisory: ENGL 0900  
This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents. (AA, CSU)  
(C-ID: AJ 122)

ADJ 2527  
**HISTORY AND UNDERSTANDING OF TERRORISM**  
3 units, 48–54 lecture hours  
Graded  
This course will analyze the political and/or religious motives of historical and current terrorist movements against states, organizations, and individuals. Emphasis will be placed upon leadership, tactics, and techniques as they apply to the revolutionary process. (AA, CSU, UC)

ADJ 2528  
**CRIMINOLOGY**  
3 units, 48–54 lecture hours  
Graded  
Advisory: ENGL 0850  
This course explores crime, criminals and the social context of crime by examining the theoretical explanations for criminal behavior. Emphasis is placed on crime causation and the influence of social structure, process, and conflict as they relate to criminal behavior. (AA, CSU)

ADJ 2949  
**WORK EXPERIENCE**  
0.5–8 units, 30–600 lab hours  
Graded  
Advisory: Must be concurrently employed in a volunteer or compensated capacity  
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, .5–8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)

**ADJ 9070**  
**CRIME SCENE INVESTIGATION**  
1 unit, 12–13.5 lecture hours / 12–13.5 lab hours  
Pass/No Pass  
Prerequisite: ADJ 2512  
This course covers the study of physical evidence at a crime scene from the point of original investigation (identifying, collecting, and preserving evidence) to its conclusion (final presentation of the evidence in court). (NDA)

**ADJ 9071**  
**RADAR OPERATOR**  
1 unit, 12–13.5 lecture hours / 12–13.5 lab hours  
Pass/No Pass  
This course is a National Highway Safety Traffic Administration approved course for the traffic radar operator. Subject matter will include history and theory of radar, court decisions affecting its use, scientific concepts, practical operation techniques, and safety factors used to avoid excessive microwave exposure. (NDA)

**ADJ 9072**  
**WEAPONLESS DEFENSE FOR LAW ENFORCEMENT–PHASE I**  
0.5 units, 4 lecture hours / 24 lab hours  
Pass/No Pass  
Prerequisite: Must have graduated from a P.O.S.T. approved law enforcement or correctional academy and be currently employed as a city, county or state law enforcement or correctional officer  
This course is designed to maintain and enhance proficiency in weaponless defense techniques for law enforcement officers. It is the first phase of a two phase weaponless defense maintenance program. (NDA)

**ADJ 9079**  
**LAW ENFORCEMENT TOPICS**  
0.5–3 units, 8–54 lecture hours  
Pass/No Pass  
This course provides legal, procedural and tactical updates relative to law enforcement responses that are not specifically covered in comprehensive Administration of Justice classes. The course is designed for students, law enforcement career professionals, and reserve officers to maintain currency with professional training and certification with POST (Police Officers Standards and Training). This course may be taken for credit a total of four times. (NDA)
Agriculture

Courses

AG 1010
LANDSCAPE MAINTENANCE
3 units, 48-54 lecture hours
Graded

A general course on the development and maintenance of landscaped areas. Topics covered include soils, irrigation, nutrition, landscape operation, chemicals, pruning, planting, etc. (AA,CSU)

AG 1012
INTRODUCTION TO SOIL SCIENCE
3 units, 48-54 lecture hours
Graded

This course offers students a hands-on introduction to the base of all agriculture: soils. Students will collect soil samples and analyze them for pH, fertility, crop suitability, etc. Soil will be looked at as a "living thing." (AA,CSU,UC)

AG 1015
PLANT AND CROP SCIENCE
3 units, 48-54 lecture hours
Graded

This course covers the basics of botany, taxonomy, soil science, seed selection, cultural practices (in both field and greenhouse), and the techniques used in production of commercial crops. Irrigation systems, pest control and crop rotation will also be covered. (AA,CSU)

AG 1019
LANDSCAPE DESIGN
3 units, 32-36 lecture hours / 48-54 lab hours
Graded

A study of the procedures followed in planning a landscape, including irrigation, lighting, and grading. Planting design will be emphasized using groundcovers, shrubs, and trees. Those appropriate for Siskiyou County will be emphasized. (AA,CSU)

AG 9054
HORSE HUSBANDRY
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 1001

This course is a survey of the equine industry. Throughout the duration of the semester, students will be discussing the various aspects of breeds and breeding practices, equine selection and evaluation, nutrition, disease control, equipment, facilities, business aspects, exercise, and training principles. (AA)

AG 9055
INTRODUCTION TO HORSESHOEING
3 units, 48-54 lecture hours
Graded

This course covers the theory and practice of basic horseshoeing techniques. Topics include: basic anatomy and physiology of the horse as it relates to the foot, pastern, leg, and skeletal sections of the horse, theory of trimming and shoeing and basic horse handling. (AA)

AG 9056
BASIC HORSEMANSHIP
3 units, 48-54 lecture hours
Graded

A study of the horse and rider as related to successful performance. Topics include: Horse breeds, selection of breeds for specific performance events, and the training and preparation needed to reach performance goals. (AA)

AG 9061
APPLIED AGRICULTURE AND FOOD SKILLS LAB
3 units, 32-36 lecture hours / 48-54 lab hours
Graded

In this course, students will learn the basic principles of ecological agriculture: how different farming methods affect the soil and climate and how to make compost, plant a garden, harvest, and preserve food. The lecture portion of the course will cover farm policy. The course includes working in the COS greenhouse as well as field trips to local farms, ranches, and commercial kitchens. (AA)

AG 9081
HORTICULTURAL WORKSHOP
0.5 units, 9 lecture hours
Pass/No Pass

A series of workshops designed to provide up-to-date techniques in various aspects of plant architecture such as color, form, and garden layouts. (NDA)
# Alcohol and Drug/Human Services

**General Description**
The Alcohol and Drug / Human Services program at College of the Siskiyous provides students with the academic and practical skills for entry-level employment in human services related fields, provides training for human services related professionals who wish to expand their knowledge and skills, and provides required lower division course work for those who wish to pursue advanced degrees in social work, counseling, rehabilitation, and related helping professions. The Alcohol and Drug Studies / Human Services curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor or advisor for specific transfer requirements.

## Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Describe current practices in human services and addiction prevention, treatment, and recovery as they relate to criminal justice, human development and health relations within the culture as a whole.
- Analyze, compare, and contrast the themes of human service needs and their significance within the American culture.
- Analyze and describe physiological and pharmacological aspects of substance abuse and dependence.
- Demonstrate how drugs affect different body systems, cause side effects, and produce different addictive and abusive behaviors within the population.
- Apply knowledge, skill, and understanding for competent performance in Alcohol and Drug and Human Services settings.

## Career Options
Course work and certificate completion in Alcohol and Drug Studies or Human Services can prepare students for entry level careers as drug and alcohol counselors, employee assistance counselors, health workers, corrections, adult and juvenile caregivers, divinity workers and many other social work and health care careers.

## Degree/Certificate Options
### Associate in Science Degree
**Certificate of Achievement**

### Associate in Science Degree
**Alcohol and Drug / Human Services**

This program provides academic preparation and field experience for individuals employed, or preparing for employment, as alcohol and drug abuse counselors and as Human Services workers. To earn an associate degree the student must complete the core courses and restricted elective courses from each section as designated below. The Alcohol and Drug / Human Services program is accredited by the California Association for Alcohol and Drug Educators and designed to meet the certification requirements for both the California Association for Alcohol and Drug Educators (CAADE) and the California Association of Alcohol and Drug Abuse Counselors (CAADAC) and other state certifying bodies. Students interested in pursuing advanced education in either field should meet with a counselor to discuss their options.

### Requirements for the Major
Complete the following:
- ADHS 1001 – Introduction to Human Services (3)
- ADHS 1010 – Introduction to Chemical Dependency (3)
- ADHS 1011 – Community Outreach & Referral (3)
- ADHS 1013 – Relapse Prevention (1)
- ADHS 1512 – Family Counseling (1.5)
- ADHS 1514 – Professional Growth (1.5)
- ADHS 1515 – Physiology & Pharmacology (3)
- ADHS 1516 – Personal Growth (1.5)
- ADHS 1517 – Ethics for the Helping Professions (2)
- ADHS 2018 – Assessment & Case Management (3)
- ADHS 2020 – Alcohol and Drug/Human Services Practicum (2.5-5)
- ADHS 2519 – Basic Helping Skills (3)

Complete one of the following:
- ECE 1002 – Child Development (3)
- ECE 1999 – Human Development (3)

Complete two of the following:
- ADHS 0950 – Stages of Addiction Recovery (1.5)
- ADHS 1025 – Conflict Management/Negotiation (3)
- ADHS 1521 – Identity and Cultural Awareness (1)
- ADHS 2526 – Understanding Disability (3)
- ADHS 2540 – Society, Aging & Dying (3)

**Total Major Units:** 32.5-38.5

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Students must complete a general education pattern that is appropriate for their educational goal. Students who plan to earn an associate degree from COS need to complete the COSGE pattern. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

### Certificates of Achievement
**Alcohol and Drug / Human Services**

The Certificate of Achievement in Alcohol and Drug / Human Services includes the following course work and supervised field work practicum required by the California Association of Alcoholism and Drug Abuse Counselors (CAADAC) for certification.
Requirements for the Certificate

- ADHS 1010 – Introduction to Chemical Dependency (3)
- ADHS 1011 – Community Outreach & Referral (3)
- ADHS 1013 – Relapse Prevention (1)
- ADHS 1512 – Family Counseling (1.5)
- ADHS 1514 – Professional Growth (1.5)
- ADHS 1515 – Physiology & Pharmacology (3)
- ADHS 1516 – Personal Growth (1.5)
- ADHS 1517 – Ethics for the Helping Professions (2)
- ADHS 2018 – Assessment & Case Management (2)
- ADHS 2020 – Alcohol and Drug/Human Services Practicum (4)
- ADHS 2519 – Basic Helping Skills (3)

Total Certificate Units: 25.5

Program Readiness Requirement:
A student may be denied or postponed placement in ADHS 2020, Alcohol and Drug/Human Services Practicum, if he or she is not ready for placement in an agency providing the clinical experience. The “readiness” determination will be made jointly by the agency and at least two instructors teaching in the program prior to placement. Criteria will be based on a minimum of completion of at least 50% of the course work listed above, clean and sober for a minimum of two years, evaluation of potential for relapse, emotional maturity, and responsible and professional conduct. Should a relapse occur while participating in the Practicum, the student will be disqualified immediately.

Courses

ADHS 0950
STAGES OF ADDICTION RECOVERY
1.5 units, 24–27 lecture hours
Graded
This course will explore the four stages of recovery from entering rehab to late stage recovery while addressing current theory techniques for assisting recovering people. (AA)

ADHS 1001
INTRODUCTION TO HUMAN SERVICES
3 units, 48–54 lecture hours
Graded
This course is an introduction to the broad spectrum of human services. The course includes an exploration of the history, theories of human service practice, and the impact of legislative mandates upon program planning for human service delivery. The course will study a variety of local agencies looking at the populations they serve, the politics and economics of the system and evaluation of the legal and social issues with such a delivery system. (AA, CSU)

ADHS 1010
INTRODUCTION TO CHEMICAL DEPENDENCY
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001
This course presents an overview of the problem of Chemical Dependency. It is designed to be an introduction to certificate programs in Addiction Studies for professionals, counselors-in-training, and for other interested community members. The course will include a survey of the history and theories of psychoactive substance use, a review of current approaches to prevention and treatment, and an examination of public policies mounted in response to these problems. (AA)

ADHS 1011
COMMUNITY OUTREACH AND REFERRAL
3 units, 48–54 lecture hours
Graded
Students will explore the concepts of alcohol and other drug prevention, substance abuse, community education, Human Services communication and crisis counseling techniques and theories. (AA, CSU)

ADHS 1013
RELAPSE PREVENTION
1 unit, 16–18 lecture hours
Graded
This course will provide students the opportunity to understand better the dynamics of chemical dependency relapse and its prevention, delineate the role of aftercare planning, and provide techniques for consultation and referral. (AA, CSU)

ADHS 1512
FAMILY COUNSELING
1–1.5 units, 16–27 lecture hours
Graded
This course will explore theories of family interaction and roles in the chemically dependent family and techniques for motivating family involvement in the treatment process. (AA, CSU)

ADHS 1514
PROFESSIONAL GROWTH
1.5 units, 24–27 lecture hours
Graded
Students will explore ethical and professional standards and resources available for translating various codes of ethics into professional behavior for alcohol and drug counselors, as well as for human services workers. (AA, CSU)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units, Lecture Hours</th>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADHS 1515</td>
<td>PHYSIOLOGICAL AND PHARMACOLOGICAL ASPECTS OF</td>
<td>3 units, 48–54</td>
<td>Graded</td>
<td>This class will survey the physiological and pharmacological aspects of psychoactive substance abuse and addiction. Major areas of inquiry include theories of addiction, the classification of psychoactive drugs and their effects within the human body, social and medical approaches to treatment, and issues of public drug policy. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 1516</td>
<td>PERSONAL GROWTH</td>
<td>1.5 units, 24–27</td>
<td>Graded</td>
<td>This course will address the signs and symptoms of counselor burnout, develop awareness of personal strengths and limitations, and increase skills for self-care for those helpers in the alcohol, drug, and human services fields. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 1517</td>
<td>ETHICS FOR THE HELPING PROFESSIONS</td>
<td>2 units, 32–36</td>
<td>Graded</td>
<td>This course will survey current legal sanctions, specific issues regarding employment problems, clients’ rights, professional liability, and state and federal regulations. Ethical issues for both drug and alcohol studies and human services will be addressed, including confidentiality, personal boundary issues, and legal responsibilities. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 1521</td>
<td>IDENTITY AND CULTURAL AWARENESS</td>
<td>1 unit, 16–18</td>
<td>Graded</td>
<td>This course will explore cultural diversity issues within the addiction and Human Services field/setting with regard to age, gender, sexual identity and ethnicity. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2018</td>
<td>ASSESSMENT AND CASE MANAGEMENT/ADVOCACY SKILLS</td>
<td>3 units, 48–54</td>
<td>Graded</td>
<td>This course will examine intake assessment, basic case management skills, and culturally sensitive advocacy skills for professionals and paraprofessionals. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2020</td>
<td>ALCOHOL AND DRUG/HUMAN SERVICES PRACTICUM</td>
<td>2.5–5 units, 21</td>
<td>Graded</td>
<td>This course provides students the opportunity to develop knowledge, understanding, and beginning competence in the field of chemical dependency counseling and human services, by providing hands-on work in the field under approved supervision. For completion of certification, students can repeat this course for a total of 330 practicum hours. This course may be taken for credit a total of four times. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2519</td>
<td>BASIC HELPING SKILLS</td>
<td>3 units, 48–54</td>
<td>Graded</td>
<td>Students will explore the therapeutic approaches, techniques, and purposes of counseling groups and individuals for alcohol and other drug problems in the Human Service system. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2526</td>
<td>UNDERSTANDING DISABILITY</td>
<td>3 units, 48–54</td>
<td>Graded</td>
<td>This course provides a survey of diverse disability conditions that occur throughout the human lifespan and explores the history and culture of the disability experience in the United States. This course also explores historical and contemporary perspectives on the definition of disability. Students will examine rights, prejudices, and core social and ethical issues that influence the experience of disability within American culture. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2540</td>
<td>SOCIETY AND AGING</td>
<td>3 units, 48–54</td>
<td>Graded</td>
<td>This course will examine the social, physical, and political aspects of an aging society. The interactive course provides the basics of Gerontology (the study of human aging) through lecture, video, research, and experiential involvement, and by discussion with people currently working in the field of aging. (AA, CSU)</td>
</tr>
<tr>
<td>ADHS 2949</td>
<td>WORK EXPERIENCE</td>
<td>0.5–8 units, 30–600</td>
<td>Graded</td>
<td>Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student’s educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-units/semester. This course is a companion course to ADHS 2020. This course may be taken for credit a total of four times. (AA, CSU)</td>
</tr>
</tbody>
</table>
American Sign Language

Courses

ASL 1020
BEGINNING AMERICAN SIGN LANGUAGE
3 units, 48–54 lecture hours / 16–18 lab hours
Graded
A basic course in American Sign Language (ASL). Emphasis will be on grammar, syntax, vocabulary, expressive and receptive skills. History, culture, and current issues will also be covered. (AA, CSU, UC)

ASL 1521
INTERMEDIATE AMERICAN SIGN LANGUAGE
3 units, 48–54 lecture hours / 16–18 lab hours
Graded
Prerequisite: ASL 1020
An intermediate course in American Sign Language (ASL). Emphasis will be on improving grammar, syntax, vocabulary, expressive and receptive skills. History, culture, and deaf awareness will also be covered. (AA, CSU, UC)

Anthropology

General Description
Anthropology is the study of human origins and of cultures of all regions of the world, past and present. A degree in anthropology may lead to a variety of career paths when combined with other interests such as biology, communications, ecology, education, gender studies, history, language, linguistics, literature, politics, psychology, public health, and sociology. Anthropology ranges from the study of our evolutionary origins in the past to gender studies in the present. The curriculum also academically prepares the student to transfer to a four-year university to complete a Baccalaureate degree in a related discipline.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:
- Articulate a knowledge, awareness and understanding of a culturally and biologically diverse world.
- Articulate possible explanations that address cultural and biological differences.
- Identify the context for cultural values through cross-cultural examination of cultures and societies.

Career Options
The following list is a sample of the many options available for the anthropology major. There are four recognized fields of study in anthropology: archaeology, physical anthropology, sociocultural anthropology, and linguistic anthropology. A few of these require an associate degree, some require a bachelor’s degree, and most require a graduate-level degree. The following list is a sample of many career options available to the anthropology major: high school or college teacher, archaeologist, linguist, anthropologist, environmental impact analyst, health researcher, zoo director, resource manager, ethnic relations specialist, exhibition technician, museum curator, folklorist, urban planner, and film ethnographer.

Degree/Certificate Options
Associate in Arts Degree
Anthropology

Associate in Arts Degree
Anthropology

Requirements for the Major
Complete the following:
- ANTH 1010 – Introduction to Cultural Anthropology (3)
- ANTH 1020 – Biological Anthropology (4)
- ANTH 1050 – Introduction to Archeology (3)

Complete three of the following:
- ANTH 1070 – Indians of California (3)
- ANTH 1080 – Women in Cross-Cultural Perspective (3)
- ANTH 1090 – Indians of North America (3)
- CSCI 1001 – Introduction to Computer Science (3)
- ENGL 1038 – Multicultural Communication (3)
- ETHN 1001 – Ethnic Studies (3)
- MATH 1050 – Elementary Statistics (5)
- SOC 1001 – Introduction to Sociology (3)

Total Major Units: 19–21

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Courses

ANTH 1010
INTRODUCTION TO CULTURAL ANTHROPOLOGY
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001 or concurrent enrollment in ENGL 1001

This course is designed to present an overview of human cultures and the many remarkable ways in which humans adapt to their environment. The course includes sections on languages, archeology, ancient history and modern cultures, with an emphasis on living traditional cultures. (AA, CSU, UC) [C-ID: ANTH 120]

ANTH 1020
BIOLOGICAL ANTHROPOLOGY
4 units, 48–54 lecture hours / 48–54 lab hours
Graded
Advisory: MATH 0830, ENGL 1001 or concurrent enrollment in ENGL 1001

This course will focus on the physical evidence of human origins, the mechanisms of evolution as they apply to humans, archeology of distant human ancestors, and the variety of primate life. (AA,CSU,UC)

ANTH 1050
INTRODUCTION TO ARCHAEOLOGY
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001

This course is designed as an introduction to and overview of the field of archaeology and the study of past human cultures through their material remains. Topics to be covered include the history, theory, and practice of archaeology. (AA,CSU,UC)

ANTH 1070
INDIANS OF CALIFORNIA
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001 or concurrent enrollment in ENGL 1001

This course is designed as an introductory survey of California’s native American cultures utilizing anthropological materials including ethnographic, archaeological, and ethnohistorical sources. Topics to be covered include the cultures, political and social organizations, subsistence practices, worldview, art, and archaeology of prehistoric and historic Californian Indians, and the effects of European and American cultures and policies on native peoples of California. (AA,CSU,UC)

ANTH 1080
WOMEN IN CROSS–CULTURAL PERSPECTIVE
3 units, 48–54 lecture hour
Graded
Advisory: ENGL 1001 or concurrent enrollment in ENGL 1001

A cross-cultural exploration of women’s lives and their social and biological experiences in a global context. The focus will be on comparative analyses of the biological, evolutionary, cultural, economic, political, social, and religious spheres of women in traditional and contemporary indigenous societies. (AA,CSU,UC)

ANTH 1090
INDIANS OF NORTH AMERICA
3 units, 48–54 lecture hours
Graded

This is a survey of Native American Indian cultures, north of Mexico, from prehistoric times until the present. This course will cover all the major culture areas and will include case studies to illustrate the particular cultural lifeways. Topics will include the origins of the first Americans, archaeological evidence of the prehistoric past, subsistence practices, social and political organizations, worldview, economics, the impact of European contact and colonization, and issues affecting contemporary Indian peoples. (AA,CSU,UC)

ANTH 2929
SPECIAL STUDIES
1–2 units, 54–108 lab hours
Graded

This course provides capable students the opportunity to study independently selected aspects of the subject matter. May be taken for credit a total of 4 times. (AA,CSU)
Programs and Courses

Art

Faculty
James Gilmore
Sean Kenny

General Description
The Art program at the College of the Siskiyous offers students a complete lower division transfer curriculum in Art as well as a wide selection of courses for the Associate Degree major in Art. Foundation courses such as Art History, Painting, Ceramics, Drawing and Photography rely heavily on a historical component, which not only fulfills much of the general education transfer requirements in humanities, but will also allow students to critically examine, appreciate, and relate their own artwork to a historical perspective. Studio classes in Art provide students the opportunity to use the latest technology, facilities and equipment. The curriculum also prepares students to transfer to a four-year university to complete a baccalaureate degree in a related discipline. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Demonstrate an awareness of the ways in which artists through the ages and in different cultures have responded to themselves and the world.
- Show an understanding of the interrelationship between the creative arts, the humanities, and ourselves.
- Analyze and appreciate art of historical, aesthetic, and cultural importance.
- Recognize communication models used in expression of visual ideas.

Career Options
The following list is a sample of some of the career options for art majors. Most require an associate degree, some require a bachelor’s degree, and a few require a graduate level degree; possible career options include artist, graphic artist, computer technician, photographer, elementary school or high school teacher, college instructor, gallery director, museum technician, salesperson, museum director or curator, materials supplier, film/video maker, collector, consultant, and the allied professions of architecture, telecomedia, and interior design.

Degree/Certificate Options

Associate in Arts Degree
Art

Certificates
Graphic Design
Web Design

Associate in Arts Degree
Art

Stresses the study of Art as form and content. Designed to develop the student’s perceptual and conceptual abilities in the context of Art History and society. Designed to give the student an opportunity to develop his/her technical skills, aesthetic awareness, personal expressions, and critical analysis. The Art courses listed fulfill lower-division requirements at most universities.

Requirements for the Major
Complete the following:
- ART 1000 – Art History I (3)
- ART 1001 – Art History II (3)
- ART 1002 – Design I (3)
- ART 1009 – Drawing (3)

Complete three of the following:
- ART 1003 – Design II (3)
- ART 1004 – Painting (3)
- ART 1006 – Ceramics (3)
- ART 1010 – Sculpture (3)
- ART 1011 – Photography (3)
- ART 1013 – Printmaking (3)
- ART 1031 – Digital Illustration (3)
- ART 1032 – Digital Imaging (3)
- ART 1509 – Intermediate Drawing (3)

Total Major Units: 21

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificates
Graphic Design

This 15-unit certificate program will provide students with instruction in electronic copy preparation (desktop publishing), computer graphic design skills, photo-imaging skills, print estimating and other printing operations. The objective is to prepare students in fundamentals for employment as described above and to enhance the skills of those currently working in print and electronic prepress areas.

This certificate program has an advisory of CSCI 1020 – Introduction to Computer Applications, and eligibility for ENGL 1001 – College Composition.

Requirements for the Certificate
Complete the following:
- ART 1011 – Photography (3)
- ART 1031 – Digital Illustration (3)
- ART 1032 – Digital Imaging (3)
- ART 1033 – Digital Publication Design (3)

Complete one of the following:
- ART 1002 – Design I (3)
- ART 1004 – Painting (3)
- ART 1009 – Drawing (3)

Total Certificate Units: 15

All courses must be completed with a grade of C or better.
Web Design

This 15-unit certificate program is intended for individuals interested in building a solid foundation in the design and development of Internet communications. The coursework is appropriate for those exploring a new career as well as for those who want to add Web design to their current skill set.

This certificate program has an advisory of CSCI 1035 (Computer Systems and Applications: MacIntosh).

Requirements for the Certificate
Complete the following:
- ART 1035 – Web Design (3)
- CSCI 1028 – Web Publishing I (3)
- CSCI 1512 – Web Programming (3)
- CSCI 1528 – Web Publishing II (3)
Complete one of the following:
- ART 1031 – Digital Illustration (3)
- ART 1032 – Digital Imaging (3)
Total Certificate Units: 15
All courses must be completed with a grade of C or better.

Courses

ART 1000
ART HISTORY I
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 1001
A survey of the major visual arts of the ancient world through the Middle Ages. Course emphasizes an understanding of geographically relevant information, art media, techniques, etc., and the development of an historical understanding based on western history as understood through the study of art. (AA, CSU, UC)

ART 1001
ART HISTORY II
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 1001
A survey of the major visual arts from the Renaissance through the modern world. Course emphasis on understanding of geographically relevant information, art media, techniques, etc., and the development of an historical understanding based on western history as understood through the study of art. (AA, CSU, UC)

ART 1002
DESIGN I
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
ART 1002 is a study of the elements and principles of design in contemporary society, as a foundation course for application in all subsequent art courses. Emphasis is placed upon structure, color study and compositional theory with media experimentation in two dimensions. (AA,CSU,UC)

ART 1003
DESIGN II
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
ART 1003 is a study of applying basic design elements to three-dimensional volumes, forms, and materials. (AA,CSU,UC)

ART 1004
PAINTING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Instruction in use of oil, acrylics and watercolor techniques and styles of landscape, still life, figure and individual composition; emphasis in composition, techniques, equipment, theory, and mechanics of color, group, and individual problems are major parts of this course. (AA, CSU, UC)

ART 1006
BEGINNING CERAMICS
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
An introduction to the art of ceramics. Students will be introduced to the history of ceramics and learn techniques, such as wheel throwing and hand-building. Glazing and other surface treatments will also be introduced. (AA, CSU, UC)

ART 1009
DRAWING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. (AA, CSU, UC)

ART 1010
SCULPTURE
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
An introduction to the history of sculpture, three-dimensional design awareness, and a variety of materials with emphasis on presentation, craftsmanship, aesthetics, content and context. (AA,CSU,UC)

ART 1011
PHOTOGRAPHY
3 units, 32-36 lecture hours / 48-54 lab hours
Graded
A general education course introducing students to basic photographic techniques including camera handling, darkroom practices, and the history of photography. Hands-on experience in the field and in the darkroom is stressed as the student prepares for mounting and display. Loaner cameras are available. (AA, CSU, UC)
ART 1013
PRINTMAKING
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
This is an introductory course in printmaking. Techniques in silk screen, woodblock, lithography, etching, and monotypes are taught. (AA,CSU,UC)

ART 1016
GALLERY AND MUSEUM STUDIES
0.5–1 unit, 9–18 lecture hours
Pass/No Pass
This tour/study course will examine contemporary and historically significant art exhibitions in museums and galleries located in Northern California and/or Southern Oregon. This course may be taken for credit a total of four times. (AA,CSU)

ART 1026
LIFE DRAWING
1 unit, 48–54 lab hours
Graded
Concentrated study of the human figure and anatomy. Students will have the opportunity to draw live models in a variety of media including charcoal, pencil and pastel. May be taken for credit a total of 4 times. (AA, CSU, UC)

ART 1031
DIGITAL ILLUSTRATION
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
Advisory: CSCI 1035
Introduction to the principles of design as they relate to digital illustration and the creation of computer generated graphics for the microcomputer. Art and design principles, software, hardware, and creation of successful graphics in various file formats will be examined. Adobe Illustrator will be used in designing and producing hard copy print media. This course may be taken for credit a total of three times. The UC accepts transfer credit for either ART 1031 or ART 1032 but not both. (AA,CSU,UC)

ART 1032
DIGITAL IMAGING
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
Advisory: CSCI 1035
Introduction to the principles of design as they relate to digital imaging. Art and design principles, image file formats, and successful digital image-making will be discussed. Adobe PhotoShop will be used in designing and producing digital images. The UC accepts transfer credit for either ART 1031 or ART 1032 but not both. May be taken for credit a total of 4 times. (AA, CSU, UC)

ART 1033
DIGITAL PUBLICATION DESIGN
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
Advisory: CSCI 1035
Introduction to the history and principles of design as they relate to digital desktop publishing. Art and design principles, image file formats, and successful digital image-making will be discussed. Adobe InDesign and Quark Xpress will be used in designing and producing digital publications. (AA,CSU)

ART 1034
DIGITAL VIDEO PRODUCTION
3 units, 16–18 lecture hours / 80–90 lab hours
Graded
Advisory: CSCI 1035
This course is designed for the creative application of electronic non-linear audio/video production and editing equipment. Students will learn to operate digital video cameras and Macintosh editing programs such as iMovie, iDVD, iTunes, and Final Cut Express to create a variety of artistic, documentary, and commercial short duration movies. Community and campus showings will include such venues as local cable access TV and film festivals. Access to a personal camcorder is beneficial but not required. (AA, CSU)

ART 1035
WEB DESIGN
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
Advisory: CSCI 1028 and CSCI 1035
Introduction to the principles of design as they relate to the Web. Art and design principles, Web file formats, and successful web graphics will be discussed. PhotoShop, Macromedia Dreamweaver, and Flash will be used in designing and producing Web pages. (AA, CSU)

ART 1036
WEB ANIMATION
3 units, 16–18 lecture hours / 80–90 lab hours
Graded
Advisory: CSCI 1035
This course is designed for learning principles and techniques for designing animated Macromedia Flash websites: how to lay out pages in Macromedia Flash, use color and text effectively, work with multiple image types, build navigation in Macromedia Flash, make Macromedia Flash usable, and incorporate sound and video onto a website. By learning design techniques along with some general principles of Web usability, you can develop Macromedia Flash content that best expresses a Web presence that maintains a creative edge. (AA, CSU)
ART 1041
PAINTING (APPLIED)
1 unit, 48-54 lab hours
Graded
A course in the introduction to oil and acrylic methods and materials. Exploration of media, color theory and harmony, and demonstration of techniques and styles of painting. (AA,CSU)

ART 1042
RAKU POTTERY
1 unit, 48-54 lab hours
Graded
An introduction to the technique of making pottery in the Japanese tradition known as Raku. Students will construct and fire their pottery using traditional and contemporary techniques, hand building and wheel throwing techniques, and glaze composition calculation. (AA,CSU)

ART 1504
INTERMEDIATE PAINTING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: ART 1004
Continued instruction in the use of oil, acrylics, water color techniques and styles of landscape, still life, figure and individual composition; emphasis on composition, techniques, equipment, theory, and mechanics of color. Group and individual problems are major parts of this course as is the examination of contemporary and historically significant artists and paintings. (AA, CSU, UC)

ART 1506
INTERMEDIATE CERAMICS
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: ART 1006
Intermediate ceramics is the second semester in this discipline. It focuses more on development of intermediate concepts and techniques for use in this medium. Wheel-throwing and hand-building techniques and assignments make up this compliment to the introductory semester. More extensive study on wheel and hand techniques that build on the foundational ideas presented in Art 1006. Introductory involvement in new intermediate areas of studio procedures including kiln firing, glaze calculation, and glazing techniques are also introduced. (AA, CSU, UC)

ART 1509
INTERMEDIATE DRAWING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: ART 1009
Continued study in drawing from landscape, still life, and human figure. Media will include charcoal, ink, graphite, and pastel. Emphasis on the human figure for maximum improvement of hand-eye coordination and an understanding of compositional elements is also included. Included is the examination of contemporary and historically significant artists and their work. (AA, CSU, UC)

ART 1510
INTERMEDIATE SCULPTURE
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: ART 1010
Advanced study of sculpture as an art form, three-dimensional design, and use of a variety of materials with emphasis on presentation, craftsmanship, aesthetics, content and context. May be taken for credit a total of 3 times. (AA,CSU,UC)

ART 1511
INTERMEDIATE PHOTOGRAPHY
3 units, 32-36 lecture hours / 48-54 lab hours
Graded
Prerequisite: ART 1011
Advisory: ENGL 0900
Students will study advanced camera and darkroom techniques including digital photography trends. Lectures stress aesthetic developments in the history of photography. (Small, medium, and large format cameras are available on a loan basis.) May be taken for credit a total of three times. (AA,CSU,UC)

ART 1513
INTERMEDIATE PRINTMAKING
3 units, 16-18 lecture hours / 80-90 lab hours
Graded
Prerequisite: ART 1013
Continued study in a variety of printmaking processes with emphasis on color printing techniques and multiple edition printing. (AA,CSU,UC)

ART 2929
SPECIAL STUDIES
1-2 units, 54–108 lab hours
Graded
Students who have strong technical backgrounds in art but have utilized available course offerings may wish to engage in an independent, folio centered project; this course is designed to meet those needs. May be taken for credit a total of 4 times. (AA, CSU)
Astronomy

Courses

ASTR 1110
ASTRONOMY
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Astronomy introduces physical models for gravity and light and then builds on our understandings of these phenomena to explore the motions, properties and histories of celestial objects ranging from nearby planets and stars to distant galaxies and the Universe itself. (AA, CSU, UC)

Aviation

Courses

AV 0950
AVIATION GROUND SCHOOL (BASIC)
3 units, 48–54 lecture hours
Graded
This course provides the aeronautical knowledge required to pass the Federal Aviation Administration written examination for the private pilot airplane rating. It includes instruction in federal aviation regulations, navigation, radio procedure, meteorology, airplane systems, servicing of aircraft, instruments, operating limitations, and the responsibilities of the aircraft pilot and aircraft owner. (AA)

AV 0951
INSTRUMENTAL GROUND SCHOOL
3 units, 48–54 lecture hours
Graded
A study of the National Airways System, air traffic control, communications procedures, air navigation radio aids, instrument landing systems, flight instruments, aircraft performance, aeronautical publications, instrument flight rules, and instrument weather. (AA)

Biology

General Description

Biology – as the ‘study of life’ – includes a large array of specialized areas, which collectively reflect the field’s many exciting faces. While the traditional biological fields include areas like cell biology, botany, zoology, ecology and evolutionary biology, we have recently seen the development of additional, more specialized areas like molecular biology, ethnobotany, forensic biology and a host of others. With more advanced technology and continuing cross-fertilization between existing biology fields, new areas of inquiry are constantly being created.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Display a thorough grounding in the basic biological principles, centering around evolution as the primary organizing principle.
- Apply the knowledge, learning skills, and attitudes necessary for success in upper division biology courses.
- Use scientific inquiry and empiricism: the scientific method, experimental design, data analysis and interpretation.
- Effectively communicate biological knowledge, experimental results and analyses.
- Function as scientifically literate citizens, to explore their world using solid scientific principles, and to reach informed decisions on the biologically complex issues facing society.

Career Options

There are so many career paths open to you as a biologist, more than any other area of study: forensics, biotechnology, environmental consulting, field biology, forestry, horticulture, genetic counseling, bioinformatics, agricultural science, animal health, environmental health, exercise physiology, high school or college science education, marine biology, microbiology, public health, medicine, research, veterinary science, and many, many more. In addition, a background in selected biology courses is usually required for allied health care programs.

Clearly the field is diverse. Depending on your interest you might work to rehabilitate damaged ecosystems, explore for brand new species previously unknown to mankind, or develop vaccines to save lives. Your work conditions could range from a Level 4 sterile laboratory doing state-of-the-art genetic research to spending all of your time in the field observing nature directly. You might work in academia, a private foundation, any level of government, a corporation, or start your own business.

While a few of these paths require an Associate in Science degree, most require a bachelor’s degree, and some require a graduate-level degree. While the specific course of study is generally implemented at the upper division or graduate level, our Biology curriculum is designed to thoroughly prepare you in the basic principles of biology for transfer to a university.
Degree/Certificate Options
Associate in Science Degree
Biology

Associate in Science Degree
Biology

The Associate in Science/Biology Degree requirements are designed so that they will match up with the lower division preparation for a degree in biology at most universities. Our remaining biology courses are designed for pre-health profession or general education students. While all of these courses may be used as electives upon transfer to your university, as a biology major you will almost certainly be asked to take upper division courses in those topics, so check with your counselor before registering for them. You should also work with your counselor to carefully plan your schedule for three additional reasons: not every one of these classes is offered every semester, you will also need a relatively high level of math, and the requirements of each transfer institution may be a little different.

Requirements for the Major
- BIO 2100 – General Biology I: The Unity of Life (5)
- BIO 2200 – General Biology II: The Diversity of Life and Ecology (5)
- CHEM 2000 – General Chemistry I (5)
- CHEM 2100 – General Chemistry II (5)

Total Major Units: 20

All courses must be completed with a grade of C or better.
In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Courses
BIO 0891
BIOLOGY PREPARATION FOR PRE-MAJORS AND PRE-HEALTH STUDENTS
1 unit, 16-18 lecture hours
Pass/No Pass

This course is designed solely to function as the prerequisite for BIO 2100, 2600, and 2800. It covers the basic introductory concepts of chemistry, the cell, and scientific methodology. (NDA)

BIO 1000
INTRODUCTION TO LIFE SCIENCES
4 units, 48-54 lecture hours / 48-54 lab hours
Graded
Advisory: ENGL 0900 and MATH 0830

This is an introduction to the areas of study in the life sciences and is designed for non-science majors. Topics include: Elementary biological concepts, a general survey of living organisms, cells, genetics, ecology, and evolution. UC transfer credit will not be awarded for BIO 1000 if this course is taken after a student completes BIO 2100 and BIO 2200. (AA, CSU, UC)

BIO 1400
ENVIRONMENTAL PRINCIPLES
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900

This course examines environmental principles and issues with an emphasis on applied ecology and sustainability. Topics include the structure and function of the biosphere, nutrient cycling and energy flow through ecosystems, climate change, human impacts on aquatic terrestrial ecosystems, sustainable ecosystem management, the dynamics and management of populations, community ecology, biodiversity sustainability and environmental science. (AA, CSU, UC)

BIO 1500
HUMAN BIOLOGY
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900

A general education course designed for non-biology majors and pre-health related fields. Provides an introduction to basic biological concepts with an emphasis on human body functions. UC transfer credit will not be awarded if this course is taken after a student completes BIO 2700 or BIO 2800. (AA, CSU, UC)

BIO 1600
FIELD NATURAL HISTORY
3 units, 32-36 lecture hours / 48-54 lab hours
Graded
Advisory: ENGL 0900 and MATH 0830

This is a general education course in the study of the natural environment, the identification of native plants and animals, and the interrelationships between organisms and environment. Involves four all-day Saturday field trips. This course may be taken for credit a total of two times. (AA, CSU)

BIO 1700
FIELD BOTANY
3 units, 32-36 lecture hours / 48-54 lab hours
Graded
Advisory: ENGL 0900 and MATH 0830

An introduction to plant identification, morphology, and ecology with emphasis on local wildflowers, trees, and shrubs. Involves some all-day Saturday field trips. This course may be taken for credit a total of two times. (AA, CSU, UC)

BIO 2100
GENERAL BIOLOGY I: THE UNITY OF LIFE
5 units, 48-54 lecture hours / 96-108 lab hours
Prerequisite: BIO 0891 and MATH 0980
Graded

An overview of the science of biology with emphasis on hypothesis testing and investigative techniques, biological molecules, cellular structure and function, energy acquisition and metabolism, mechanisms and patterns of inheritance, molecular genetics, biotechnology, development, and evolution. For Biology majors. (AA, CSU, UC)
BIO 2200
GENERAL BIOLOGY II: THE DIVERSITY OF LIFE AND ECOLOGY
5 units, 48–54 lecture hours / 96–108 lab hours
Prerequisite: BIO 2100
Graded
An overview of the science of biology with emphases on hypothesis testing and investigative techniques, the history of life, biological classification and the diversity of life, plant and animal anatomy and physiology, ecology, and animal behavior. For Biology majors. (AA, CSU, UC) (C-ID: BIOL 140)

BIO 2600
MICROBIOLOGY
4 units, 32–36 lecture hours / 96–108 lab hours
Graded
Prerequisite: BIO 0891
Advisory: ENGL 0900 and MATH 0830
An introduction to the study of morphology, physiology, and ecology of microorganisms. It includes the structure and function of bacteria and their relationships with humans. (AA, CSU, UC)

BIO 2700
HUMAN ANATOMY
4 units, 32–36 lecture hours / 96–108 lab hours
Graded
Advisory: ENGL 0900 and MATH 0830
A systems approach to the study of the human body from the microscopic level of organization to the gross level. Structure is related to function with histology, dissection, models, cadavers, and charts. While this course is intended to fulfill requirements for nursing, physical education, and allied health students, it may also be taken as a life science elective. (AA, CSU, UC)

BIO 2800
HUMAN PHYSIOLOGY
5 units, 64–72 lecture hours / 48–54 lab hours
Graded
Prerequisite: BIO 0891
Advisory: ENGL 0900 and MATH 0830
An introduction to human physiology. Focus is on basic physiological principles and the integration of body systems in maintaining homeostasis. While this course is intended to fulfill requirements for nursing, physical education, and allied health students, it may also be taken as a life science elective. (AA, CSU, UC)

BIO 2929
SPECIAL STUDIES
1-2 units, 54–108 lab hours
Graded
A student may earn credit by performance of a research project or other study in an area of special interest to the student and the instructor. This course may be taken for credit a total of four times. (AA, CSU)

BIO 2949
WORK EXPERIENCE
0.5–8 units, 30–600 lab hours
Graded
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, .5–8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)
Business

Faculty
Shawn Abbott
Jesse Cecil
Michael Graves

General Description
The Business program prepares students for a variety of careers in a business environment. Certificate programs and Associate Degree concentrations are available in accounting, business administration, and office administration. Students who plan to earn a Bachelor's Degree in Business can complete all general education and lower division business major requirements at College of the Siskiyous.

Program Learning Outcomes (Transfer)
Upon completion students should be able to:
• Demonstrate the business vocabulary, quantitative and analytical skills necessary to successfully participate in upper-division business courses.
• Analyze the potential business impact of relevant financial, economic, legal, managerial and marketing issues, given specific scenarios.
• Present a case study. As a member of a group, demonstrate effective communication, time-management, organizational and interpersonal skills.
• Quantify the impact of a financial transaction on the primary financial statements.
• Evaluate the potential market impact of various changes in the business environment.

Program Learning Outcomes (Career/Certificate)
Upon completion the student should be able to:
• Demonstrate a proficiency in computer skills typically used in the workplace.
• Communicate effectively with diverse audiences both orally and in writing.
• Interact with others in a manner that fosters cooperative, professional relationships.
• Exhibit the ability to use financial tools to perform accurate mathematical calculations.
• Display and demonstrate an awareness of appropriate professional behavior.
• Compose effective business documents applying knowledge of: vocabulary, grammar, word usage, punctuation, editing, and proofreading.

Career Options
An Associate's or Bachelor's degree in Business prepares students for a variety of career choices in the fields of accounting, advertising, economics, insurance, marketing, management, small business development and management, finance, real estate, and sales.

Degree/Certificate Options
Associate in Arts Degree
Accounting
Administrative Assistant
Business Administration

Associate in Science Degree
Business Administration for Transfer (AS-T)

Certificates of Achievement
Accounting
Administrative Assistant

Certificate
Business Effectiveness
E-Business
Entrepreneurship

Associate in Arts Degree
Accounting

Accounting involves the preparation, examination, organization, management and design of accurate recording and reporting procedures of financial and business transactions. The Accounting program provides training in many phases of business and prepares a student for employment as an accounting clerk or business trainee. Accounting clerks are employed in nearly every kind of public and private organization. They are usually responsible for records of accounts receivable, accounts payable, payrolls, bank deposits, purchase orders, expense reports, or sales commissions. The curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program.

Requirements for the Major
Complete the following:
- BA 0920 – Practical Accounting (3)
- BA 0966 – Computerized Accounting I (1.5)
- BA 0967 – Computerized Accounting II (1.5)
- BA 1001 – Financial Accounting (4)
- BA 1006 – Introduction to Business (3)
- BA 1018 – The Legal Environment of Business (3)
- BA 1501 – Managerial Accounting (4)
- CSCI 1001 – Introduction to Computer Science (3)

Complete one of the following:
- CSCI 1024 – Beginning Spreadsheets (3)
- CSCI 1524 – Intermediate Spreadsheets (3)

Complete one of the following:
- ECON 1010 – Principles of Macroeconomics (3)
- ECON 1020 – Principles of Microeconomics (3)

Total Major Units: 29

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Administrative Assistant

The Administrative Assistant program provides advanced-level training for persons presently employed or seeking employment in administrative support or clerical positions. Administrative Assistants work with executives, taking over many of their routine tasks. These tasks may include clerical duties, including typing, training...
Programs and Courses

Others to follow procedures, administering contracts, screening and interviewing job applicants, orienting new employees, planning training programs, representing the department at meetings, or maintaining and procuring office supplies. Administrative Assistants may also supervise staff. The curriculum may academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program.

Requirements for the Major
Complete the following:
- BA 0920 – Practical Accounting (3)
- BA 0950 – Beg Word Proc/Keyboard (3)
- BA 0951 – Electronic Office (3)
- BA 0959 – Business and Practical Math (3)
- BA 1006 – Introduction to Business (3)
- BA 1550 – Intermediate Word Proc/Keyboard (3)
- BA 2949 – Work Experience (2)
- CSCI 1001 – Introduction to Comp Science (3)
- CSCI 1024 – Beginning Spreadsheets (3)

Complete one of the following:
- BA 0961 – Strong Individual/Strong Communities (2)
- BA 1015 – Human Relations in Business (3)

Total Major Units: 28-29

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Business Administration

The Business Administration program prepares the student for a variety of careers in a business environment. The curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Requirements for the Major
Core - Complete the following: (17)
- BA 1001 – Financial Accounting (4)
- BA 1018 – Legal Environment of Business (3)
- BA 1501 – Managerial Accounting (4)
- ECON 1010 – Microeconomics (3)
- ECON 1020 – Macroeconomics (3)

List A - Complete one of the following: (3-5)
- MATH 1010 – Finite Math (3)
- MATH 1050 – Elementary Statistics (5)

List B - Complete two of the following: (6-8)
- Any course from List A not already used (3-5)
- BA 1006 – Introduction to Business (3)
- CSCI 1001 – Introduction to Computer Science (3)

Total Major Units: 26-28

Double counting courses in GE and the major is permissible (6 to 8 units from the major requirements can be double counted in GE). Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificates of Achievement

Accounting

Requirements for the Certificate
Complete one of the following:
- BA 0920 – Practical Accounting (3)
- BA 0966 – Computerized Accounting I (1.5)
- BA 0967 – Computerized Accounting II (1.5)
- BA 1001 – Financial Accounting (4)
- BA 1006 – Introduction to Business (3)
- BA 1018 – The Legal Environment of Business (3)
- BA 1501 – Managerial Accounting (4)
- CSCI 1001 – Intro to Computer Science (3)
- CSCI 1024 – Beginning Spreadsheets (3)
- CSCI 1524 – Intermediate Spreadsheets (3)

Complete one of the following:
- ECON 1010 – Principles of Macroeconomics (3)
- ECON 1020 – Principles of Microeconomics (3)

Total Certificate Units: 29

All courses must be completed with a grade of C or better.

Associate in Science Degree

Business Administration for Transfer

To obtain the Associate in Science Degree in Business Administration for Transfer, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Business Administration major requirements below.
- The California State University General Education – Breath (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

This option is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

Requirements for the Major
Core - Complete the following: (17)
- BA 1001 – Financial Accounting (4)
- BA 1018 – Legal Environment of Business (3)
- BA 1501 – Managerial Accounting (4)
- ECON 1010 – Microeconomics (3)
- ECON 1020 – Macroeconomics (3)

List A - Complete one of the following: (3-5)
- MATH 1010 – Finite Math (3)
- MATH 1050 – Elementary Statistics (5)

List B - Complete two of the following: (6-8)
- Any course from List A not already used (3-5)
- BA 1006 – Introduction to Business (3)
- CSCI 1001 – Introduction to Computer Science (3)

Total Major Units: 26-28

Double counting courses in GE and the major is permissible (6 to 8 units from the major requirements can be double counted in GE). Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificates of Achievement

Accounting

Requirements for the Certificate
Complete one of the following:
- BA 0920 – Practical Accounting (3)
- BA 0966 – Computerized Accounting I (1.5)
- BA 0967 – Computerized Accounting II (1.5)
- BA 1001 – Financial Accounting (4)
- BA 1006 – Introduction to Business (3)
- BA 1018 – The Legal Environment of Business (3)
- BA 1501 – Managerial Accounting (4)
- CSCI 1001 – Intro to Computer Science (3)
- CSCI 1024 – Beginning Spreadsheets (3)
- CSCI 1524 – Intermediate Spreadsheets (3)

Complete one of the following:
- ECON 1010 – Principles of Macroeconomics (3)
- ECON 1020 – Principles of Microeconomics (3)

Total Certificate Units: 29

All courses must be completed with a grade of C or better.
Administrative Assistant

Requirements for the Certificate
Complete the following:
- BA 0920 – Practical Accounting (3)
- BA 0950 – Beg Word Proc/Keyboard (3)
- BA 0951 – Electronic Office (3)
- BA 0959 – Business and Practical Math (3)
- BA 1006 – Introduction to Business (3)
- BA 1550 – Intermediate Word Proc/Keyboard (3)
- BA 2949 – Work Experience (2)
- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1024 – Beginning Spreadsheets (3)
- ENGL 0900 – Introduction to College Reading and Writing (3)

Complete one of the following:
- BA 0961 – Strong Individuals/Strong Communities (2)
- BA 1015 – Human Relations in Business (3)

Total Certificate Units: 31-32

All courses must be completed with a grade of C or better.

Certificates

Business Effectiveness

Requirements for the Certificate
- BA 0901 – Customer Service (0.5)
- BA 0902 – Communication (0.5)
- BA 0903 – Attitude in the Workplace (0.5)
- BA 0904 – Conflict Management (0.5)
- BA 0905 – Decision Making and Problem Solving (0.5)
- BA 0906 – Ethics and Values (0.5)
- BA 0907 – Managing (0.5)
- BA 0908 – Stress Management (0.5)
- BA 0909 – Team Building (0.5)
- BA 0910 – Time Management (0.5)

Total Certificate Units: 5

All courses must be completed with a grade of C or better.

E-Business

Requirements for the Certificate
Complete the following:
- BA 1006 – Introduction to Business (3)
- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1028 – Web Publishing I (3)

Complete one of the following:
- BA 1013 – Principles of Business Management (3)
- BA 1018 – The Legal Environment of Bus (3)

Total Certificate Units: 12

All courses must be completed with a grade of C or better.

Entrepreneurship

Requirements for the Certificate
Complete the following:
- BA 0910 – Time Management (0.5)
- BA 0973 – Triple Bottom Line Business (1)
- BA 0985 – Introduction to Entrepreneurship (0.5)
- BA 0987 – It's Your Technology (2)
- BA 1006 – Introduction to Business (3)

Total Certificate Units: 7

All courses must be completed with a grade of C or better.

Courses

BA 0865
PLANNING AND MANAGING YOUR BUSINESS WEB SITE
1 unit, 16-18 lecture hours
Pass/No Pass
Advisory: CSCI 0868
This course applies the principles of marketing and management to a small business Internet site. Participants will be introduced to the tools and concepts necessary to complete a plan for an effective commercial web site, and to promote and track its effectiveness. (NDA)

BA 0884
JOB SEARCH SKILLS
2 units, 16-18 lecture hours / 48-54 lab hours
Pass/No Pass
The class will provide an environment which will allow the students to reevaluate themselves in a more positive light, to raise their self-esteem and incorporate the knowledge and processes necessary to compete in the labor market. (NDA)

BA 0889
MAKING YOUR MONEY WORK FOR YOU
1.5 units, 24-27 lecture hours
Pass/No Pass
Participants will be given tools and concepts necessary to successfully manage their personal and business finances. Topics include basic money management skills, setting financial goals, developing budgets for success, positive steps to repair credit, introduction to the psychology of money, analyzing spending habits, considering the value of investments, and creating a savings plan. This hands-on course is designed for someone who is interested in creating positive personal financial management skills. (NDA)

BA 0901
CUSTOMER SERVICE
0.5 units, 8-9 lecture hours
Pass/No Pass
This course is designed to provide the student with certain key skills and attitudes in order to effectively meet the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction, and customer retention. Topics will also include communicating with customers, developing a positive attitude, handling complaints, and sales skills. (AA)

BA 0902
COMMUNICATION
0.5 units, 8-9 lecture hours
Pass/No Pass
This course is designed to introduce students to key elements in communication. Topics will include verbal and nonverbal communication as well as listening skills. Emphasis will be placed on communication within business organizations, such as specific supervisory communication skills and how to effectively communicate with internal and external customers. (AA)
### Programs and Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units, Lecture/Lab Hours</th>
<th>Grading</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 0903</td>
<td>ATTITUDE IN THE WORKPLACE</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to provide the student with certain key skills in the area of attitude so that they may effectively maintain a positive attitude at the workplace and at home. The student will be introduced to the concepts of how attitudes are communicated, types of attitudes, and how to adjust one’s attitude. (AA)</td>
</tr>
<tr>
<td>BA 0904</td>
<td>CONFLICT MANAGEMENT</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to introduce the student to the meaning of conflict, the causes of conflict and strategies for resolving interpersonal conflict. Emphasis will be placed on the five conflict handling modes, how to deal with difficult people, and how to bring out the best in others. (AA)</td>
</tr>
<tr>
<td>BA 0905</td>
<td>DECISION MAKING/PROBLEM SOLVING</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to introduce the student to decision making and problem solving techniques. (AA)</td>
</tr>
<tr>
<td>BA 0906</td>
<td>ETHICS AND VALUES</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to introduce the student to the importance of ethics and values in the workplace. Emphasis will be placed on how values influence actions, developing a personal ethical philosophy, and helping others do the right thing. (AA)</td>
</tr>
<tr>
<td>BA 0907</td>
<td>MANAGING ORGANIZATIONAL CHANGE</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to provide the student with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to manage organizational change. (AA)</td>
</tr>
<tr>
<td>BA 0908</td>
<td>STRESS MANAGEMENT</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to acquaint the student with key elements of stress management. Topics will include the recognition of stress, causes of stress, and the benefits of stress management. Emphasis will be placed on a multitude of ways to handle stress in order to have a more productive professional and private life. (AA)</td>
</tr>
<tr>
<td>BA 0909</td>
<td>TEAM BUILDING</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to provide the student with an understanding of how teams work together, common problems teams encounter and how to solve them. Students will learn to recognize various team player styles as well as gain exposure to the stages of team growth. Tips and techniques for team building in the workplace will also be covered. (AA)</td>
</tr>
<tr>
<td>BA 0910</td>
<td>TIME MANAGEMENT</td>
<td>0.5 units, 8-9 lecture</td>
<td>Pass/No Pass</td>
<td>This course is designed to introduce the student to time management principles and specific tools that assist in making maximum use of time. Emphasis will be placed on how to prioritize, identify time wasters, delegate, and set goals. (AA)</td>
</tr>
<tr>
<td>BA 0920</td>
<td>PRACTICAL ACCOUNTING</td>
<td>3 units, 48-54 lecture/16-18 lab</td>
<td>Graded</td>
<td>Provides an introduction to accounting, suitable for students interested in pursuing additional business and accounting courses as well as for students interested in establishing a practical understanding of accounting. BA 0920 includes the application of the double-entry system in the preparation and use of journals, ledgers, worksheets and financial statements. Banking and payroll issues are also explored. (AA)</td>
</tr>
<tr>
<td>BA 0950</td>
<td>BEGINNING WORD PROCESSING/KEYBOARDING</td>
<td>3 units, 48-54 lecture</td>
<td>Graded</td>
<td>This course is designed to introduce students to basic keyboarding and word processing software. Students will be able to key (type) alphabetical characters, numbers including using the ten-key pad, and symbols using the touch method on a computer. (AA)</td>
</tr>
<tr>
<td>BA 0951</td>
<td>ELECTRONIC OFFICE</td>
<td>3 units, 48-54 lecture</td>
<td>Graded</td>
<td>This course provides comprehensive training that utilizes hands-on applications and evaluations that will assist the student in developing the knowledge and skills that are required in today's changing and emerging office occupations. Workplace skills consisting of business-related problems and scenarios that incorporate the use of technology, written and verbal communications, job search applications, electronic calculators, and using electronic filing systems along with human relations, teamwork, time and resource management and customer service projects. (AA)</td>
</tr>
</tbody>
</table>
BA 0958
BUSINESS ENGLISH
3 units, 48-54 lecture hours
Graded
This course will provide students with relevant information in the correct use of English grammar, punctuation, spelling, word usage and style, paragraph composition, vocabulary development, capitalization and number skills. These skills and knowledge will be applied to editing business documents in a context that prepares students to succeed in today's Internet economy. (AA)

BA 0959
BUSINESS AND PRACTICAL MATH
3 units, 48-54 lecture hours
Graded
Prerequisite: MATH 0850 or qualification through assessment or MATH 0851 and MATH 0852 or qualification through assessment
This course uses the business environment and life examples to learn mathematical principles. Topics include: statistics and probability, annuities and retirements, taxes, home and car loans, optimum solutions, proportions, and financial statements. (AA)

BA 0961
STRONG INDIVIDUALS, STRONG COMMUNITIES
2 units, 32-36 lecture hours
Graded
This course is designed to strengthen participants' organizational, leadership, time management, concentration, communication and problem solving skills while inspiring and supporting workplace and community effectiveness. (AA)

BA 0966
COMPUTERIZED ACCOUNTING I
1.5 units, 24-27 lecture hours
Graded
Advisory: BA 0920
This course provides an introduction to the basic principles of accounting, record keeping, and financial statement preparation using an accounting software program. At the completion of this course students will be able to identify components and implement procedures required to set up and maintain a computerized accounting system, including a chart of accounts, accounts receivable, accounts payable, bank reconciliation, basic payroll, and closing procedures. Students will be able to prepare financial statements and decision-support reports. (AA)

BA 0967
COMPUTERIZED ACCOUNTING II
1.5 units, 24-27 lecture hours
Graded
Advisory: BA 0966
This course provides further study and application of advanced topics in computerized accounting. At the completion of this course students will be able to set up and maintain a complete accounting system and analyze accounting data. Topics include budgeting, memorized transactions, inventory, journal entries, closing procedures, exporting data to Microsoft Excel, payroll reporting, 1099 reporting, estimating, progress billing, audit trail, data back up procedures, and financial reporting analysis. (AA)

BA 0973
TRIPLE BOTTOM LINE BUSINESS
1 unit, 16-18 lecture hours
Graded
This course introduces students to the concept of business as a means of economic, social, and environmental contribution. Students will explore what measures define "triple bottom line" businesses where financial, ecologic, and social sustainability are equally prioritized. Knowledge gained from these investigations will enhance consumer buying, employee desirability, and entrepreneurial pursuits in today's emerging green economy. (AA)

BA 0985
INTRODUCTION TO ENTREPRENEURSHIP
0.5 units, 8-9 lecture hours
This course will assist participants in evaluating their personal and professional characteristics and skills to determine their readiness to start a business. Topics include: risks and benefits of business ownership, legal issues and financing options, successful business management and orientation to local resources. (AA)

BA 0987
IT'S YOUR TECHNOLOGY
2 units, 32-36 lecture hours
Graded
Advisory: CSCI 1001
This course provides an overview of current technology products, applications and services to support business. Participants will be exposed to and apply a variety of established and emerging productivity tools and technological options to optimize and enhance business functions in areas such as communications, customer service, productivity, security, marketing and financial management. Participants will develop assessment and evaluation skills for choosing, implementing and continually updating technology for business use. (AA)

BA 1001
FINANCIAL ACCOUNTING
4 units, 64-72 lecture hours / 16-18 lab hours
Graded
Prerequisite: BA 0920
Advisory: ENGL 0900 and MATH 0850
Financial Accounting explores how accounting information is used by a variety of decision makers, including investors and creditors. This core lower-division business course emphasizes the reporting and analysis of business transactions as communicated to the public through financial statements. Topics include: the accounting cycle; Generally Accepted Accounting Principles (GAAP) and International Financial Reporting Standards (IFRS); revenue and expense recognition; asset, liability and equity valuation; cash flows; internal controls; and ethics. (AA, CSU, UC)
### Programs and Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Hours</th>
<th>Grading Type</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 1004</td>
<td>BUSINESS COMMUNICATIONS</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td>Prerequisite: BA 0958</td>
<td>The course is designed to enable students to research, analyze, plan, write, and edit effective business communications using current technology and the business case study approach. Multicultural communication, business ethics, and nonverbal communications are covered. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1006</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td>Advisory: ENGL 0900</td>
<td>Students will be introduced to the world of business through discussions of marketing, management, entrepreneurship, finance, human resources, business ethics, the law, risk management and insurance and the global marketplace. Various types of business entities will be examined and analyzed in the context of today's dynamic business environment. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1014</td>
<td>PRINCIPLES OF BUSINESS MANAGEMENT</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td></td>
<td>This course is an introduction and overview of business and management systems. It covers principles of strategic management, marketing systems, money and information management systems, human resources, leadership, motivation systems, organizational change and learning, and systems for business improvement. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1015</td>
<td>HUMAN RELATIONS IN BUSINESS</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td>Advisory: ENGL 0900</td>
<td>A study of the organizational and human aspects of business with emphasis on awareness of the interpersonal relationships that exist within the business structure. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1018</td>
<td>THE LEGAL ENVIRONMENT OF BUSINESS</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td>Advisory: ENGL 0900</td>
<td>The Legal Environment of Business is an introduction to the legal process and the impact of the law on societal, governmental and economic entities. Topics include sources of law and ethics, contracts, judicial and administrative processes, international legal issues, forms of business organizations and government regulation. (AA, CSU, UC) (C-ID: BUS 120)</td>
</tr>
<tr>
<td>BA 1024</td>
<td>BEGINNING SPREADSHEETS</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td></td>
<td>Provides an introduction to electronic spreadsheets through extensive hands-on use of Microsoft Office Excel. Emphasis is placed on the design, construction and effective usage of electronic spreadsheets as well as using mathematical formulas &amp; functions, charts, tables, graphs, formatting features, workbook management, and financial functions. Students cannot receive credit for both CSCI 1024 and BA 1024. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1028</td>
<td>LEADERSHIP DEVELOPMENT</td>
<td>1</td>
<td>16–18</td>
<td>Graded</td>
<td></td>
<td>Leadership has been defined in many diverse ways. While leadership is not a science or simple formula that can be applied, leadership skills can be developed. Traditional theories of effective leadership are studied, as well as current strategies for success in a personal business setting. Students will review a local leadership example, and develop a personal plan to develop strong, personal leadership skills. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1034</td>
<td>PERSONAL FINANCE</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td>Advisory: MATH 0830</td>
<td>This course covers an integrated approach to personal finance focusing on practical decision making, and the social, psychological, and physiological contexts in which those decisions are made. The student will learn how to manage effectively manage personal finances throughout their life cycle. (AA, CSU)</td>
</tr>
<tr>
<td>BA 1057</td>
<td>ELECTRONIC COMMERCE</td>
<td>3</td>
<td>48–54</td>
<td>Graded</td>
<td></td>
<td>This course introduces the student to the processes involved in the selling, buying, marketing, and advertising of goods and services via the World Wide Web. This includes an in-depth analysis of the markets and the logistics involved in the delivering of products or services to customers, as well as identifying ways the World Wide Web can help capitalize on the opportunities that exist in E-Commerce for the purposes of maximizing profits. (AA)</td>
</tr>
</tbody>
</table>
Business, Chemistry

General Description
Chemistry is the study of the composition, properties, and transformation of matter. This program offers a variety of classes for chemistry, biology, allied health fields, and many other related sciences. We are committed to providing general chemistry courses as well as preparatory courses to meet the diverse needs of students attending our college. Courses are taught with a lecture and laboratory component to provide the necessary depth and rigor to ensure our students are successful upon transferring. These courses also fulfill general education requirements for a number of other programs. Prior to registering please check with a counselor for specific transfer requirements.

Faculty
Jenny Heath

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:
- Interpret and employ the language and fundamental principles of chemistry.
- Perform basic chemistry laboratory experiments with appropriate measurements, techniques, and safety procedures.
- Analyze and interpret results to draw appropriate conclusions.

Career Options
Many career paths are available depending upon the level of chemistry completed. Students taking the general chemistry sequence are prepared with a background that may lead into many different professions. These professions include but are not limited to medicine, forensic science, earth science, engineering, biological sciences, and education. Students taking the introductory sequence are prepared with a background that may lead into the allied health field.

Degree/Certificate Options
Associate in Science Degree
Chemistry

Requirements for the Major
CHEM 2000 – General Chemistry I (5)
CHEM 2100 – General Chemistry II (5)
MATH 1400 – Calculus and Analytic Geometry I (5)
MATH 1500 – Calculus and Analytic Geometry II (5)
PHYS 2105 – Mechanical Physics, Oscillations and Waves (4)
PHYS 2110 – Electrical Physics, Light (4)
Total Major Units: 28

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Chemistry

BA 1501
MANAGERIAL ACCOUNTING
4 units, 64–72 lecture hours / 16–18 lab hours
Graded
Prerequisite: BA 1001
Managerial Accounting examines how managers use accounting information in decision-making. This core lower-division business course explores the development and use of actual and standard cost data, variable and absorption costing, budgets, profitability analysis, capital expenditure analysis, internal reporting and cost controls. (AA,CSU,UC)

BA 1550
INTERMEDIATE WORD PROCESSING/KEYBOARDING
3 units, 48–54 lecture hours
Graded
Prerequisite: BA 0950
This course is designed to focus on an intermediate level of keyboarding and document production using current word processing software that includes some desktop publishing features. Time will be devoted to skill building, intermediate document preparation, and production. (AA, CSU)

BA 2929
SPECIAL STUDIES
1–2 units, 54–108 lab hours
Graded
This course provides an opportunity for capable students to do additional study on selected topics in business. (AA, CSU)

BA 2949
WORK EXPERIENCE
0.5–8 units, 30–600 lab hours
Graded
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student’s educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5–8 units/semester. This course may be taken for credit a total of four times. (AA,CSU)
Courses

CHEM 1000
INTRODUCTION TO CHEMISTRY
5 units, 64–72 lecture hours / 48–54 lab hours
Graded
Prerequisite: MATH 0850 or MATH 0851 and 0852

CHEM 1000 is designed for students transferring into an allied health program. This course will give students an understanding of introductory chemical topics including the properties of matter, atomic structure, bonding, nomenclature, chemical reactions, energy, equilibrium, acids and bases, solutions and nuclear chemistry. The course serves as a preparation course for allied health majors and some biological programs and as a preparation course for general chemistry. (AA, CSU, UC)

CHEM 1100
INTRODUCTION TO ORGANIC AND BIOCHEMISTRY
5 units, 64–72 lecture hours / 48–54 lab hours
Graded
Prerequisite: CHEM 1000 or one year of high school chemistry with lab

CHEM 1100 introduces organic and biological chemistry including naming, structure, and properties of the major classes of organic compounds; chemistry and metabolism of carbohydrates, lipids, and proteins, including enzymes. (AA, UC, CSU)

CHEM 2000
GENERAL CHEMISTRY I
5 units, 48–54 lecture hours / 96–108 lab hours
Graded
Prerequisite: CHEM 1000 or completion of one year of high school chemistry with lab and MATH 0980 or qualification through assessment

CHEM 2000 involves a detailed study of the principles and calculations including atomic structure, bonding, intermolecular forces, stoichiometry, oxidation-reduction reactions, solution chemistry, gas laws, solid state and colloidal chemistry. (AA, CSU, UC) (C-ID: CHEM 110)

CHEM 2100
GENERAL CHEMISTRY II
5 units, 48–54 lecture hours / 96–108 lab hours
Graded
Prerequisite: CHEM 2000

CHEM 2100 is a continuation of first semester that studies chemical equilibrium, chemical kinetics, thermodynamics, electrochemistry, coordination chemistry, and nuclear chemistry. It also includes a brief introduction to organic chemistry. (AA, CSU, UC) (C-ID: CHEM 120S)

CHEM 2929
SPECIAL STUDIES
1–2 units, 54–108 lab hours
Graded

This course provides the opportunity for students to do additional independent study on selected topics in chemistry. This course may be taken for credit a total of four times. (AA,CSU)

Communication Studies

General Description
This program focuses on the areas of public communication, small group communication, oral interpretation, and interpersonal communication. The program also interfaces with the COS media communications program. It is designed to increase skills in speaking and critically listening by involving students in the process of creating, presenting, analyzing, and responding to spoken messages. The curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:
• Deliver effective and informative presentations to an audience.
• Create and employ effective visual aids, including the use of presentation software.
• Communicate effectively with others, including people of diverse backgrounds.
• Competently and confidently manage intra and interpersonal relationships.
• Experience lessened communication anxiety.
• Exhibit effective critical listening skills.
• Exhibit effective empathic listening skills.
• Work as a productive team member utilizing a variety of leadership skills and strategies.
• Motivate listeners and maintain audience attention.
• Utilize effective conflict resolution skills.

Career Options
Possible career options include: Advisor, Arbitrator, Broadcaster, Campaign Director, Community Relations Liaison, Consumer Advocate, Corporate Trainer, Recruiter, Customer Relations Representative, Employee Communication, Information Specialist, Internal Communication, Lawyer, Lobbyist, Marketing Communication, Mediator, Negotiator, Public Relations Specialist, Religious Leader, Sales-Retail Manager, Service Administrator, Social Worker, Speech Instructor, Student Activities Director, or Tour Guide.

Degree/Certificate Options
Associate in Arts Degree in Communication Studies (AA)
Associate in Arts Degree in Communication Studies for Transfer (AA-T)
ASSOCIATE IN ARTS DEGREE
COMMUNICATION STUDIES

Both the AA and the AA-T options have the same major requirements as listed below. The major requirements align with the intersegmental Transfer Model Curriculum (TMC) for Communication Studies. The AA-T option complies with SB 1440. This option is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

To obtain the Associate in Arts Degree in Communication Studies (AA option), students must complete:

- The Communication Studies Major requirements listed below.
- The College of the Siskiyous General Education pattern (COSGE).
- Any needed electives for a total of 60 associate degree applicable units.

To obtain the Associate in Arts Degree in Communication Studies for Transfer (AA-T option) students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Communication Studies major requirements below.
- The California State University General Education – Breadth (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

Requirements for the Major

Complete the following:

- COMS 1100 - Public Speaking (3)
- COMS 1200 - Small Group Communication (3)
- COMS 1300 - Interpersonal Communication (3)

Complete two of the following:

- COMS 1500 - Oral Interpretation (3)
- ENGL 1038 - Multicultural Communication (3)
- MCOM 1100 - Introduction to Mass Communication (3)

Complete one of the following:

- ANTH 1010 - Introduction to Cultural Anthropology (3)
- COMS 1600 - Conflict Resolution (3)
- ENGL 1025 - Introduction to Journalism and News Writing (3)
- ENGL 1501 - Advanced Composition – Literature (3)
- ENGL 1502 - Advanced Composition – Critical Thinking (3)
- PSY 1001 - Introduction to Psychology (3)
- SOC 1001 - Introduction to Sociology (3)

Total major units: 18

All courses must be completed with a grade of C or better.

COURSES

COMS 1100
PUBLIC SPEAKING
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900

Public Speaking includes basic principles and practices of public speaking in a democratic society: developing proficiency and self-confidence in speaking. Focus will also include organization, development and communication of ideas, structure, style, and delivery. Discovery, development, and criticism of ideas in public discourse through research, reasoning, organization, development, presentation, and evaluation of various types of speeches including informative and persuasive speeches will be covered. (AA, CSU, UC) (C-ID: COMM 110)

COMS 1101
FORENSICS: PREPARATION AND PRACTICE FOR SPEAKING EVENTS
0.5 units, 8–9 lecture hours
Graded

This course is designed to prepare students for speaking events, and provide structured practice, research, and evaluation. Students will gain experience in several types of speeches like impromptu, extemporaneous, persuasive, and situational. (AA, CSU)

COMS 1200
SMALL GROUP COMMUNICATION
3 units, 48–54 lecture hours
Graded

This introductory course explores theories and principles of effective group communication in a variety of contexts while providing opportunities to apply newly-acquired knowledge to practical group situations. Specific attention is given to basic group concepts, interaction skills, methods for achieving skills, group goals, conflict management, decision making, leadership, and small group problem-solving. College writing skills will be expected on all papers, outlines, and essays. (AA, CSU) (C-ID: COMM 140)

COMS 1300
INTERPERSONAL COMMUNICATION
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900 or qualification through assessment

This course is an introduction to the process of human communication with a focus on intra and interpersonal communication. Special emphasis is placed on an understanding of communication in relationships and everyday life including how to communicate ideas, thoughts, and feelings. Also, study of theory and research findings and their application to communication in personal and professional contexts as well as principles of verbal and nonverbal transactions. (AA, CSU, UC)

COMS 1500
ORAL INTERPRETATION
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900

Oral Interpretation helps students to develop a better understanding of the interrelationship between themselves and the creative arts and humanities of a variety of cultures. Students learn how to select, analyze, edit, and orally perform selections of literature. Students also learn how to evaluate and critique performances of others. Prose, poetry, children’s literature, and dramatic literature across cultures are studied. (AA, CSU, UC) (C-ID: COMM 170)
Computer Science

Faculty
Jesse Cecil
Michael Graves

General Description
Computer Science is primarily concerned with information processes, the structure and procedures needed to represent them, and the systems needed to implement them. Spanning a broad spectrum of basic and applied sub-disciplines, which range from foundations in logic and the computational complexity of algorithms through compilers, operating systems, and databases, the discipline continues to expand in terms of new architectures, networks, vision, robotics, and computer-aided design. The Computer Science program curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Design and develop a computer program using all the necessary application elements and logic skills.
- Demonstrate a proficiency of computer hardware and software skills typically used in the workplace.
- Understand the types of computer system concepts, terminology, and components and the impact they have on society.
- Show the ability to use the different types of operating systems.
- Effectively use the Internet and/or the Intranet to conduct searches, transfer files, and communicate using the World Wide Web.
- Demonstrate proficiency in both oral and written skills.
- Utilize logic skills and critical thinking while problem solving.
- Interact with others in a manner that fosters a cooperative professional relationship.
- Acquire skills to foster or facilitate life-long learning in technology.

Career Options
Computer Science related careers are some of the fastest growing jobs in this decade. Many pay extremely good salaries. Some require an associate degree, most require a bachelor’s degree, and some require a graduate-level degree: information technology manager, applications developer, applications programmer, business systems analyst, database manager, web developer, networking/telecommunications engineer, network analyst, software developer, systems security administrator, help desk manager, computer graphic specialist, data processing application programmer and positions available in allied professions of business, industry, and scientific technology.

Degree/Certificate Options
Associate in Science Degree
Computer Science

Certificates
Game Design
PC Network/Hardware/Software Programming
Web Design

Associate in Science Degree
Computer Science

This field of study is designed for students who seek an associate degree to transfer and major in computer science or who seek employment at the technician level in the science or mathematics fields. The associate degree covers the lower-division computer programming and mathematics coursework required by most colleges and universities. Many careers require a bachelor’s degree. The associate degree program is designed to provide a strong foundation in mathematics, programming methodology and skills, and computer organization.

Requirements for the Major
Complete the following:
- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1007 – Programming I (4)
- CSCI 1507 – Programming II (4)
- CSCI 2006 – Assembly Language Programming (3)
Complete one of the following:
- CSCI 1004 - Visual Basic Programming (4)
- CSCI 1512 – Web Programming (3)
Complete one of the following:
- MATH 1050 – Elementary Statistics (5)
- MATH 1400 – Calculus & Analytic Geometry I (5)
Complete two of the following:
- CSCI 1028 – Web Publishing I (3)
- CSCI 1032 – Computer Networks (3)
- CSCI 1033 – PC Hardware Certification (3)
- CSCI 1034 – PC Software Certification (3)
- CSCI 1035 – Computer Systems and Applications: MacIntosh (3)
- CSCI 1037 – Computer Game Design I (3)
- CSCI 1039 – Introduction to Linux (3)
- CSCI 1528 – Web Publishing II (3)
- CSCI 1537 – Computer Game Design II (3)
Total Major Units: 29-30

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificates

Game Design

Requirements for the Certificate
Completed the following:
- ART 1031 – Digital Illustration (3)
- ART 1036 – Web Animation – Flash (3)
- CSCI 1007 – Programming I (4)
- CSCI 1037 – Computer Game Design I (3)
- CSCI 1038 – Computer Game Design II (3)
Complete one of the Following:
- CSCI 0890 – Introduction to Multimedia Applications (1)
- CSCI 2929 – Special Studies (1-2)
Total Certificate Units: 17-18

All courses must be completed with a grade of C or better.

PC Network/Hardware/Software

Requirements for the Certificate
- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1032 – Computer Networks (3)
- CSCI 1033 – PC Hardware Certification (3)
- CSCI 1034 – PC Software Certification (3)
- CSCI 1036 – Wireless Communications (3)
Total Certificate Units: 15

All courses must be completed with a grade of C or better.

Programming

Requirements for the Certificate:
Complete the following:
- CSCI 1007 – Programming I (4)
- CSCI 1507 – Programming II (4)
Complete two of the following:
- CSCI 1004 – Visual Basic Programming (4)
- CSCI 1512 – Web Programming (3)
- CSCI 2006 – Assembly Language Programming (4)
Total Certificate Units: 15-16

All courses must be completed with a grade of C or better.

Web Design

This 15-unit certificate program is intended for individuals interested in building a solid foundation in the design and development of Internet communications. The coursework is appropriate for those exploring a new career as well as for those who want to add Web design to their current skill set.

This certificate program has an advisory of CSCI 1035 (Computer Systems and Applications: MacIntosh).

Requirements for the Certificate
Complete the following:
- ART 1035 – Web Design (3)
- CSCI 1028 – Web Publishing I (3)
- CSCI 1512 – Web Programming (3)
- CSCI 1528 – Web Publishing II (3)
Complete one of the following:
- ART 1031 – Digital Illustration (3)
- ART 1032 – Digital Imaging (3)
Total Certificate Units: 15

All courses must be completed with a grade of C or better.

Courses

CSCI 0864
CREATING PRESENTATIONS
1 unit, 16-18 lecture hours
Pass/No Pass

This course is designed to help students develop their proficiency in using Microsoft Power Point and to prepare them to pass the Core Level - Microsoft Office User Specialist Exam. (NDA)

CSCI 0867
INTRODUCTION TO WINDOWS
1 unit, 9 lecture hours / 9 lab hours
Pass/No Pass

This course is designed to teach the student how to use, customize, and maintain a Microsoft Windows Operating System through a hands-on approach to teaching. May be taken for credit a total of four times. (NDA)

CSCI 0870
COMPUTER LAB
0.5-1 unit, 27-54 lab hours
Pass/No Pass

This course provides students with supervised use of the campus computers. The primary emphasis of the course is to allow students to gain the necessary skills to effectively use the available computer equipment to complete assignments in other classes. May be taken for credit a total of four times. (NDA)
CSCI 0890
INTRODUCTION TO MULTIMEDIA APPLICATIONS
1 unit, 8-9 lecture hours / 24-27 lab hours
Pass/No Pass
This course is designed to introduce students to a variety of multimedia applications. Student presentations may include, but are not limited to, music, sound effects, animations, digital pictures, scanned art, imprinted T-shirts, buttons, greeting cards, and banners. May be repeated for credit a total of four times. (NDA)

CSCI 0953
BEYOND COMPUTER BASICS
1.5 units, 24-27 lecture hours
Pass/No Pass
Designed for the advanced beginner or intermediate computer user. Topics include: home networking, CD's and DVD's, graphics, pictures and cameras, backing up your computer, troubleshooting simple problems, and how to protect yourself on the Internet. (AA)

CSCI 0959
UPGRADING AND REPAIRING PCS
1 unit, 16-18 lecture hours
Pass/No Pass
This course is designed for students who need to learn or review basic concepts of repairing and upgrading personal computers. Topics include overview of computer systems, system tear down and inspection, primary components, input-output hardware, storage devices, troubleshooting and diagnostics, and upgrading procedures, and basic home network design and connectivity. This course is recommended for students engaged in training or retraining for computer related technical jobs, and home computer users who wish to work on their own computers. May be taken for credit a total of four times. (AA)

CSCI 1001
INTRODUCTION TO COMPUTER SCIENCE
3 units, 48-54 lecture hours
Graded
This class includes discussions on the Internet, the World Wide Web, application software, the components of the system unit, sources of input & output, storage, operating systems, system software, and utility programs as well as hands-on assessments designed to teach the students the basics of word processing, building & managing spreadsheets, and creating presentations. (AA, CSU, UC)

CSCI 1004
VISUAL BASIC PROGRAMMING
4 units, 32-36 lecture hours / 96-108 lab hours
Graded
This course covers the fundamentals of programming applications using Microsoft Visual Basic. Topics to be covered include GUI, modules, loops, working with strings, validation, an introduction to object oriented programming, and creating functions. (AA, CSU, UC)
### CSCI 1028  
**WEB PUBLISHING I**  
3 units, 48-54 lecture hours  
Graded  
This course covers the basic information required for publishing web pages on the World Wide Web. Topics include the HTML language, forms, and CGI scripts, Java applets, and how to post web pages onto a web server. (AA, CSU)

### CSCI 1032  
**COMPUTER NETWORKS**  
3 units, 48-54 lecture hours  
Graded  
This course covers the theory and applications of computer networks. Topics include Local Area Networks (LAN) basics, network technologies and architectures, Ethernet, Token Ring, and AppleTalk, protocols of TCP/IP and the Internet, introduction to client-server computing, and Novell NetWare orientation (administration, troubleshooting and optimization, and OSI model). Many topics coincide with requirements for the Network+ Certification examination. May be taken for credit a total of two times. (AA,CSU)

### CSCI 1033  
**PC HARDWARE CERTIFICATION**  
3 units, 48-54 lecture hours  
Graded  
This course is designed for students who wish to prepare for taking PC hardware certification exams, such as the A+ Certification Exam for computer service technicians. The primary purpose is to learn how to troubleshoot and repair microcomputer systems and their peripherals. (AA, CSU)

### CSCI 1034  
**PC SOFTWARE CERTIFICATION**  
3 units, 48-54 lecture hours  
Graded  
This course is designed for students who wish to prepare for taking the CompTIA A+ Core Software Exam for computer service technicians as well as students who wish to learn how to install, maintain, manage, troubleshoot, and/or upgrade their own computer system software. (AA,CSU)

### CSCI 1035  
**COMPUTER SYSTEMS AND APPLICATIONS: MACINTOSH**  
3 units, 48-54 lecture hours  
Graded  
This course will teach the student the most current Apple Operating System features along with using its advanced graphics capability, system preferences, accessory programs, and the Dock. Included in this course will be hands-on instruction in using Macintosh applications like iPhoto, iTunes, iMovie, iDVD, iMail, the Address Book, iCal, Spotlight, Dashboard, Garage Band, Launch Pad, and Safari. (AA,CSU)

### CSCI 1036  
**WIRELESS COMMUNICATIONS**  
3 units, 48-54 lecture hours  
Graded  
A comprehensive overview of wireless communications technologies and networking. Instruction will emphasize the practical application of wireless technology by discussing the history of wireless communications, Wi-Fi, Bluetooth, cellular telephony and system design, wireless LANS, networking, RFID, satellite communications, the Global Positioning System (GPS), and other recent advances in technology. (AA,CSU)

### CSCI 1037  
**COMPUTER GAME DESIGN I**  
3 units, 32-36 lecture hours / 48-54 lab hours  
Graded  
This course is the introductory course to the computer gaming series. It involves designing, developing and testing small 2D and 3D computer games using game development software tools. It will provide the student with an understanding of the principles of game design, genre-specific design issues, storytelling, image manipulation, and development teams. No programming experience is necessary. (AA,CSU)

### CSCI 1038  
**COMPUTER GAME DESIGN II**  
3 units, 32-36 lecture hours / 48-54 lab hours  
Graded  
Prerequisite: CSCI 1037  
This course is part of the computer gaming series. It involves designing, developing and programming 3D first person shooter and multiplayer computer games using game development software tools. It will provide the student with a working knowledge of a programming language used to enhance computer games. (AA, CSU)

### CSCI 1039  
**INTRODUCTION TO LINUX**  
3 units, 48-54 lecture hours  
Graded  
This course will present the Linux/UNIX operation system including tools for file and file system structure, system services and processes. Networking and system administration will also be covered. (AA, CSU)

### CSCI 1045  
**3D VIRTUAL WORLDS AND GAMES**  
3 units, 32-36 lecture hours / 48-15 lab hours  
Graded  
3D virtual worlds and cyberspace continue to expand, full of people like you creating worlds for exploration, entertainment, and learning. This class will explore and create items and avatars with a simulated world. (AA, CSU)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture/Lab Hours</th>
<th>Grade</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1507</td>
<td>PROGRAMMING II</td>
<td>4</td>
<td>48-54 / 48-54</td>
<td>Graded</td>
<td>CSCI 1007&lt;br&gt;A continuation of Programming I emphasizing programming concepts including inheritance, exceptions, GUI applications, recursion, queues, and the use of data structures. An object-oriented approach is taken throughout. (AA, CSU, UC)</td>
</tr>
<tr>
<td>CSCI 1512</td>
<td>WEB PROGRAMMING</td>
<td>3</td>
<td>32-36 / 48-54</td>
<td>Graded</td>
<td>CSCI 1007 or CSCI 1028&lt;br&gt;This course covers the fundamentals of computer programming for the World Wide Web. Interactive Web pages utilizing client-side and server-side methodologies will be presented. Client-side programming will be covered utilizing HTML and JavaScript. Server-side programming will concentrate on using the language of PHP, a hypertext pre-processor. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 1524</td>
<td>INTERMEDIATE SPREADSHEETS</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>Using Microsoft Excel, this course provides the student with the intermediate spreadsheet skills needed to create scientific, statistical, trigonometry, financial, logical, text functions, and formulas along with instruction on linking worksheets, pivot tables, using data analysis, sharing workbooks, and creating macros. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 1525</td>
<td>ADVANCED WORD PROCESSING</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>This course is designed to move students to an advanced level in the latest word processing software for the application of projects in an office setting. Time will be devoted to skill building and advanced exercises. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 1528</td>
<td>WEB PUBLISHING II</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>CSCI 1028&lt;br&gt;This course covers complex aspects of web page construction, including: Cascading Style Sheets, JavaScript, and other extensions to HTML. It is intended for the serious web publisher with a background in HTML (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 1501</td>
<td>DISCRETE STRUCTURES</td>
<td>3</td>
<td>32-36 / 48-15</td>
<td>Graded</td>
<td>This is an introduction to the discrete structures used in Computer Science, with an emphasis on their applications. Topics covered include functions, relations and sets, basic logic, proof techniques, basics of counting, graphs and trees, and discrete probability. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 1506</td>
<td>ASSEMBLY LANGUAGE PROGRAMMING</td>
<td>4</td>
<td>48-54 / 48-54</td>
<td>Graded</td>
<td>CSCI 1007&lt;br&gt;This course includes fundamental principles of programming a computer in assembly language. The student will learn the structure of computers, number and character representations, word and instruction formats, machine and assembly language programming, address modification, indexing, indirect addressing, subroutines, and the use of assemblers. (AA, CSU, UC) (C-ID: COMP 142)</td>
</tr>
<tr>
<td>CSCI 1529</td>
<td>SPECIAL STUDIES</td>
<td>1-2</td>
<td>54-108</td>
<td>Graded</td>
<td>This course provides an opportunity for capable students to do a research project or other study in an area of special interest. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 2949</td>
<td>WORK EXPERIENCE</td>
<td>0.5-8</td>
<td>30-600</td>
<td>Graded</td>
<td>Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)</td>
</tr>
<tr>
<td>CSCI 9054</td>
<td>INTRODUCTION TO LECTURE CAPTURE</td>
<td>2</td>
<td>32-36</td>
<td>Graded</td>
<td>This course covers the fundamentals of the Camtasia Studio capture software. Camtasia Studio is a software program that captures movies of the computer monitor display, including audio and picture-in-picture, which can then be produced into a variety of formats for posting on the web. The student will learn about the various features of Camtasia software and which features are best suited for their use. (NDA)</td>
</tr>
</tbody>
</table>
Construction and Craft Technology

Courses

CCT 9050
ADVANCED MILL AND CABINET WORK
1 unit, 48-54 lab hours
Pass/No Pass

This is a course in the use of machines in woodworking. The proper and safe use of portable and stationary woodworking equipment is demonstrated and practiced. This course also contains units in wood properties, fastening, finishing with lacquers, and the use of hand tools. Students select, design, construct, and finish their own projects. May be taken for credit a total of four times. (AA)

Program Coordinator and Faculty
Patrice Thatcher-Stephens
530.938.5290

General Description
The ECE Program includes theory and practice in the systematic study of child development and the application of that study to developmentally appropriate early childhood education and work with school age children. The program offers classes fulfilling the requirements for all levels of the California State Department of Education Child Development Permit Matrix (Title 5) which comply with California Department of Social Services (Title 22) requirements for employment in early education programs.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Identify physical, psychosocial, and cognitive developmental levels throughout early childhood and integrate this knowledge with an awareness of individual differences.
• Interpret the effect of family, social systems, and the cultural diversity inherent within families and communities, on the design and implementation of programs for young children.
• Associate theory and philosophy with applied curriculum in an early childhood setting in support of developmentally appropriate practice.
• Demonstrate knowledge of developmental theory in designing and implementing early childhood programs while defending age appropriate and culturally diverse practice in work with families and children.
• Interpret and follow mandates and guidelines included in state and federal regulations.
• Apply general skills and attitudes integral to success within a professional environment—including: personal responsibility, mental health, and teamwork.

Career Options
This course of study provides relevant educational experiences for students whose goals include work with children and families with an emphasis on the needs of the rural community. An Associate in Science degree in Early Childhood Education is offered through this program, as well as a strong academic foundation for students transferring to a four-year university program in ECE or a related field. College of the Siskiyous' course of study in ECE articulates to both Southern Oregon University and the California State University System.
Programs and Courses

Associate in Science Degree in Early Childhood Education

Requirements for the Major
Completed the following:
- ECE 1001 – Introduction to Early Childhood Education: Principles, Practices, and Standards (3)
- ECE 1002 – Child Development (3)
- ECE 1003 – Child, Family, and Community (3)
- ECE 1500 – Materials and Curriculum (3)
- ECE 1501 – Guidance (3)
- ECE 1502 – Serving Children and Families in a Diverse Society (3)
- ECE 2000 – Observing and Assessing: Desired Results and Developmentally Appropriate Environments (3)
- ECE 2002 – Child Nutrition, Health and Safety (3)
- ECE 2003 – The Young Child with Special Needs (3)
- ECE 2500 – Supporting Family Relationships and Parenting (3)
- ECE 2501 – Administration of Early Childhood Education (3)
- ECE 2502 – Early Childhood Education Practicum (3)

Total Major Units: 36

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Science Degree in Early Childhood Education for Transfer

The Associate in Science Degree in Early Childhood Education for Transfer will meet the needs of students transferring to a California State University who intend to study in an ECE-related major.

To obtain the Associate in Sciences Degree in ECE for Transfer students must complete the following requirements with a minimum grade point average (GPA) of 2.0:
- The ECE major requirements below.
- The California State University General Education – Breadth (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

Requirements for the Major
Complete the following:
- ECE 1001 – Introduction to Early Childhood Education: Principles, Practices, and Standards (3)
- ECE 1002 – Child Development (3)
- ECE 1003 – Child, Family, and Community (3)
- ECE 1500 – Materials and Curriculum (3)
- ECE 1502 – Serving Children and Families in a Diverse Society (3)
- ECE 2000 – Observing and Assessing: Desired Results and Developmentally Appropriate Environments (3)
- ECE 2002 – Child Nutrition, Health, and Safety (3)
- ECE 2502 – Early Childhood Education Practicum (3)

Total major units: 24

Double counting courses in GE and the major is permissible.

Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Courses

ECE 0958
EARLY CHILDHOOD EDUCATION LAB
1–3 units, 48–162 lab hours
Graded
Corequisite: Concurrent enrollment in ECE class

This course complements ECE lecture courses. This is a lab course designed for the student who is considering a career in Early Childhood Education or has an emerging interdisciplinary interest in Child Development. Activities included in ECE Lab include observation of typical and atypical young children and their interactions with teachers and family using indices of cognitive, psychosocial and physical development and theories presented in ECE lecture classes. In addition to observation, supervised teaching and curriculum preparation, including implementation of Developmentally Appropriate Practice, will take place at Discovery Child Development Center or at Mentor Teacher Sites with instructor permission. (AA)

ECE 0960
PRESCHOOL LANGUAGE AND LITERACY CURRICULUM I
3 units, 48–54 lecture hours
Graded

This is a course of study providing theoretical background and practical application of literacy instruction in preschool settings. Students must have access to preschool age children. (AA)

ECE 0961
PRESCHOOL LANGUAGE AND LITERACY CURRICULUM II
3 units, 48–54 lecture hours
Graded

This course will introduce current research and effective strategies for successful language and literacy instruction to pre-Kindergarten children. Course content will focus on the theory and practice of literacy instruction in four areas: Reading Aloud, Letter Knowledge, Oral Language and Written Expression. Students must have access to preschool age children in a home or classroom setting. (AA)

ECE 1001
INTRODUCTION TO EARLY CHILDHOOD EDUCATION
3 units, 48–54 lecture hours
Graded

This course is designed to introduce students to the principles, practices and standards of early childhood education. (AA, CSU)

ECE 1002
CHILD DEVELOPMENT
3 units, 48–54 lecture hours
Graded

This course includes the study of child development from conception through adolescence, with emphasis on personal development and family and social interactions. For UC transfer, only one course will be accepted if both ECE 1002 and ECE 1999 are taken. (AA, CSU, UC) (C-ID: CDEV 100)
ECE 1003
CHILD, FAMILY, AND COMMUNITY
3 units, 48-54 lecture hours
Graded
This course includes the study of theories of socialization and child development that address the interrelationships between the child, family and the community. (AA, CSU, UC) (C-ID: CDEV 110)

ECE 1500
MATERIALS AND CURRICULUM
3 units, 48-54 lecture hours
Graded
Advisory: ECE 1001
This course is designed to support students in applying principles of early education as they recognize, design and assess developmentally appropriate materials and curriculum. Course content includes an overview of philosophies, theories, and standards as they are related to choosing materials and implementing curriculum which reflects Developmentally Appropriate Practice. (AA,CSU) (C-ID: ECE 130)

ECE 1501
CHILD GUIDANCE AND MANAGEMENT
3 units, 48-54 lecture hours
Graded
Advisory: ECE 1001 and/or ECE 1002
This course presents theory, principles and practices basic to positive child guidance. The class emphasizes psychological development recognizing the ethnic and cultural diversity of children and families, including typical and atypical developmental patterns. (AA,CSU)

ECE 1502
SERVING CHILDREN AND FAMILIES IN DIVERSE SOCIETY
3 units, 48-54 lecture hours
Graded
Advisory: ECE 1001
This course presents and explores Principles and Methods of working with diverse groups of young children and their families. (AA,CSU)

ECE 1999
HUMAN DEVELOPMENT
3 units, 48-54 lecture hours
Graded
This course includes the study of human development throughout the life span, from conception to the end-of-life, with emphasis on personal development and family and social interactions. Particular emphasis is upon development from adolescence to the end-of-life. Areas of study include the physical, cognitive, and psychosocial domains. (AA,CSU,UC)

ECE 2000
OBSERVING AND ASSESSING: DESIRED RESULTS AND DEVELOPMENTALLY APPROPRIATE ENVIRONMENTS
3 units, 48-54 lecture hours
Graded
This course is designed to prepare students to observe and authentically assess young children in order to plan and implement developmentally appropriate early education curriculum and programs. Emphasis is upon familiarity with developmental guidelines and recognition of Developmentally Appropriate Practice. The class will include review of California State “Desired Results” for early education and emphasis on developmental appropriateness in relation to these standards. The course includes weekly observation and supervised work with young children in a Lab School/Mentor Teacher setting. (AA, CSU) (C-ID: ECE 200)

ECE 2002
CHILD NUTRITION, HEALTH, AND SAFETY
3 units, 48-54 lecture hours
Graded
Prepares early educators and parents to identify aspects of nutrition, health and safety fundamental to optimal growth and development during childhood. This course includes evaluation of the relationship between nutrition and health as well as assessment of the benefits inherent in early education environments emphasizing best practices in nutrition and health. Work requiring evaluation of standards, policies and procedures, as well as recognition of the role of families and health professionals. (AA, CSU) (C-ID: ECE 220)

ECE 2003
THE YOUNG CHILD WITH SPECIAL NEEDS
3 units, 48-54 lecture hours
Graded
Prerequisite: ECE 1001 or ECE 1002
This course offers a survey of atypical development that may affect the course of physical, cognitive and psychosocial development in the young child. (AA, CSU)

ECE 2500
SUPPORTING FAMILY RELATIONSHIPS AND PARENTING
3 units, 48-54 lecture hours
Graded
This course is a study of the diversity of modern marriage and family within an historical and social context. Using principles and methods of the social sciences, the course offers an overview of family cycles, including aspects of courtship, marriage and partnership, adjustments, parenting and step parenting, divorce, aging and socioeconomic status. Emphasis will be placed upon the multicultural nature of the society in which we live and an understanding of personal and societal biases and prejudices in regard to the subject matter. (AA,CSU,UC)
ECE 2501  
ADMINISTRATION OF EARLY CHILDHOOD EDUCATION  
3 units, 48-54 lecture hours  
Graded  
Principles and practices of program planning, budgeting, and personnel administration for early childhood programs and agencies serving young children. (AA, CSU)

ECE 2502  
EARLY CHILDHOOD EDUCATION PRACTICUM  
3 units, 16-18 lecture hours / 96-108 lab hours  
Graded  
Prerequisite: ECE 1001, ECE 1002, ECE 1003, and ECE 1500  
This course offers an opportunity to demonstrate developmentally appropriate early childhood teaching competencies under guided supervision. (AA, CSU) (C-ID: ECE 210)

ECE 2504  
INFANT DEVELOPMENT  
3 units, 48-54 lecture hours  
Graded  
Prerequisite: ECE 1001  
Course content includes developmental theory from conception through the third year of life and overview of Developmentally Appropriate Practice as applied to work with this age group. There is emphasis upon the role of caregiver and families in a diverse community. Both typical and atypical development will be viewed. (AA, CSU)

ECE 2505  
DEVELOPMENT IN MIDDLE CHILDHOOD  
3 units, 48-54 lecture hours  
Graded  
Advisory: ENGL 1001, ECE 1002 or concurrent enrollment  
This class covers the cognitive, psychosocial, and physical development of the school aged child, including consideration of cross-cultural, historical, and societal influences. The course will consider contemporary theories of primary education and extended care giving emphasizing the unique nature of after school programs. (AA, CSU)

ECE 2510  
CREATIVE ART ACTIVITIES FOR YOUNG CHILDREN  
3 units, 48-54 lecture hours  
Graded  
Advisory: ECE 1001  
This course presents an overview of theory and practice in planning and implementing developmentally appropriate art experiences for young children. Study will emphasize the developmental process involved in children’s art as well as the stages through which children move as they manipulate materials in creative art. The roles of Representational Competence, Sensory Exploration, and Self Expression are emphasized. (AA, CSU)

ECE 2512  
SCIENCE EXPERIENCES FOR YOUNG CHILDREN  
3 units, 48-54 lecture hours  
Graded  
This class focuses on the theoretical foundation and practical application for preparing developmentally appropriate science activities for preschool children. Included in the course are: understanding the implementing activities; integrating science with other areas of preschool learning; creating a professional portfolio. (AA, CSU)

ECE 2525  
STAFFING AND EMPLOYEE RELATIONS IN ECE  
2 units, 32-36 lecture hours  
Graded  
Prerequisite: ECE 2501  
This course familiarizes students with the duties of an administrator in a preschool setting. Emphasis is placed upon professional principles, practices and standards in work with staff, families and community. (AA, CSU)

ECE 2527  
ADULT SUPERVISION OF EARLY CHILDHOOD EDUCATION  
2 units, 32-36 lecture hours  
Graded  
Prerequisite: ECE 2501  
This course emphasizes the principles and practices of staffing in early education programs. It is required by California Department of Education’s Master Teacher Permit. (AA, CSU)

ECE 2929  
SPECIAL STUDIES  
2 units, 96-108 lab hours  
Graded  
This course provides an opportunity for capable students to do additional study on selected topics in early education. (AA, CSU)

ECE 2949  
WORK EXPERIENCE  
0.5-8 units, 30-600 lab hours  
Graded  
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student’s educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)
ECE 9081
EARLY CHILDHOOD EDUCATION WORKSHOP
0.5–1 unit, 9–18 lecture hours
Pass/No Pass
This course allows instruction and updating in a variety of areas that are not specifically covered in comprehensive early childhood education classes. The workshop is geared for the benefit of people employed and/or planning to be employed in the field of early childhood education. Each session is covered by an expert in that particular field. May be taken for credit a total of four times. (NDA)

Economics
Courses

ECON 1010
PRINCIPLES OF MACROECONOMICS
3 units, 48–54 lecture hours
Graded
Prerequisite: MATH 0980 or qualification through assessment
Advisory: ENGL 0900
An introductory course focusing on aggregate economic analysis. Topics include market systems; economic cycles including recession, unemployment and inflation; national income accounts; macroeconomic equilibrium; money and financial institutions; monetary and fiscal policy and international trade and finance. (AA, CSU, UC)

ECON 1020
PRINCIPLES OF MICROECONOMICS
3 units, 48–54 lecture hours
Graded
Prerequisite: MATH 0980 or qualification through assessment
Advisory: ENGL 0900
ECON 1020, an introductory course, offers insights into choices made by individual consumers and firms. This core lower division business course emphasizes the following topics: supply and demand; scarcity; comparative advantage; elasticity; cost theory; market structures; factor markets and market failure. (AA, CSU, UC)

Education
Courses

EDUC 0596
SUPERVISED TUTORING
0 units, 9–180 lab hours
Pass/No Pass
This is an open-entry course providing individualized instruction through the use of peer tutoring and a master teacher in an effort to help students succeed in courses in which they are currently enrolled. (NDA)

EDUC 0670
CRITICAL SKILLS LAB
0 units, 2–180 lab hours
Pass/No Pass
Corequisite: Concurrent enrollment in a credit course
An open-entry, non-credit class offering access to individualized instruction provided by faculty and staff in the Academic Success Center. This course provides students with supplementary instruction in critical skills such as computing, reading, writing, researching, and mathematics that are necessary for success in courses in any discipline. (NDA)

EDUC 0890
ORIENTATION TO ONLINE LEARNING
0.5 units, 8–9 lecture hours
Pass/No Pass
By participating in eight, fifty-minute workshops focused on a variety of math, English, reading, computer literacy, and study skills, students will build the tools and habits necessary to experience success in college and beyond. (NDA)

EDUC 0894
TUTOR TRAINING
1 unit, 16–18 lecture hours
Pass/No Pass
This course emphasizes styles of learning and appropriate techniques in tutoring individually or small groups. (NDA)

EDUC 0896
STUDENT SUCCESS SEMINARS
0.5 units, 8–9 lecture hours / 3 lab hours
Pass/No Pass
This orientation to online learning class is designed for both new and experienced online students. Participants will learn how to use the college’s learning management system in a low-stress and fun environment. All the features of the software will be reviewed and practiced. This course will also introduce students to the challenges of online learning and offer practical ways to be successful in the online learning environment. (NDA)

EDUC 1002
INTRODUCTION TO EDUCATION
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900
This course introduces students to the concepts and issues related to teaching diverse learners in today’s contemporary schools, Kindergarten through grade 12 (K–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. (AA, CSU, UC)
Emergency Management & Homeland Security

Courses

EMHS 1001
INTRODUCTION TO HOMELAND SECURITY
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0850

This introductory course explores the history, development and organization of homeland security in the United States. It examines the roles and functions of the various homeland security departments and their relationship to state and local agencies. The course analyzes important legal concepts impacting homeland security and reviews the most critical threats confronting American security. (AA, CSU)

Emergency Medical Services

Program Coordinator
Beth Watt
530.938.5512

General Description
The Paramedic Program trains students to provide immediate care to the critically ill and injured. Paramedics determine the nature and extent of illness or injury, provide advanced life support, communicate with emergency medical services personnel and transport patients to the hospital. The paramedic program is a highly interactive, fast paced, hands-on experience, requiring student participation. This program meets or exceeds all state and national guidelines for paramedic training, and includes: Anatomy and Physiology, Advanced Cardiac Life Support, Pediatric Advanced Life Support, Pediatric Education for Pre-hospital Providers, Advanced Medical Life Support, International Trauma Life Support, and Geriatric Emergency Medical Services. Students who successfully complete the requirements for this program will be prepared for the Paramedic National Registry examination. The curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the patient with medical or traumatic emergencies.

Career Options
The following are possible career options for the paramedic: ambulance paramedic, firefighter paramedic, private industryparamedic, disaster management team, vocational instructor, search and rescue responder, hospital technician, and emergency room technician.

Enrollment in the Program
In order to be admitted to the Paramedic Program, students must be 18 years of age or older and be able to:

• Submit proof of high school graduation or GED.
• Obtain mandatory immunizations.
• Provide documentation of current EMT and CPR for the Professional certifications.
• Successfully complete MATH 0830-Pre-Algebra and ENGL 0850-Intermediate Reading and Writing Skills, or complete through assessment test process.
• Be available to work day, night, or weekend shifts as scheduled during clinical internship.
• Spend several additional hours per week beyond the scheduled class and lab time independently studying and practicing procedures.
• Participate in an intensive field internship following the completion of EMS 0956, requiring 24-hour availability several times per week for 2-5 consecutive months.
• Pass a physical examination or hold a current DL 51.
• Purchase materials such as uniforms, books, manuals, supplies, insurance, internship materials, etc., totaling approximately $3,500.
• Provide own transportation to College of the Siskiyous Weed Campus, hospitals, and ambulance companies throughout northern California.
• Strongly recommend 1 to 2 years of EMT experience.
• Pass a background clearance and drug screen.

Degree/Certificate Options
Associate in Science Degree
Emergency Medical Services – Paramedic

Certificates of Achievement
Paramedic
Associate in Science Major and Certificates
Emergency Medical Services – Paramedic

Requirements for the Major or Certificate:
EMS 0954 – Paramedic I – Theory (12)
EMS 0955 – Paramedic I – Theory (14)
EMS 0956 – Paramedic II – Clinical (4)
EMS 0957 – Paramedic III – Field Internship (10)
Total Units: 40

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Successful completion of this 40-unit program (EMS 0954, 0955, 0956, and 0957) is required for the student to take the Paramedic National Registry examination to become licensed. Students must receive a “C” grade or better on all course work to receive certification. EMS 0954 and EMS 0955 must be taken in the same academic year; they are sequential courses.

The COS paramedic program received accreditation through the Commission on the Accreditation of Allied Health Education Programs (CAAHEP) in October 2003 with renewal in 2008 and 2013.

Courses

EMS 0950
CPR FOR THE PROFESSIONAL RESCUER
0.5 units, 8–9 lecture hours
Pass/No Pass

This course meets the American Heart Association Healthcare Provider and American Red Cross Professional Rescuer CPR Guidelines. This course will teach professional rescuers the skills needed to care for cardiac arrest, respiratory arrest, or airway obstruction in the infant, child, and adult. This course provides CPR, AED, and airway management training. The student will receive a CPR card from National Safety Council, it is good for 2 years. (AA)

EMS 0951
ADVANCED EMERGENCY MEDICAL TECHNICIAN
7 units, 88–99 lecture hours / 88–99 lab hours
Graded
Prerequisite: A valid EMT card (can be from the National Registry or any state) and a current CPR card for the Healthcare Provider

An Advanced Emergency Medical Technician (AEMT) will be able to perform all the skills as an EMT, in addition will perform advanced life saving skills such as starting intravenous lines, giving medications, and securing a patient’s airway. This course is designed for those who need to provide emergency advanced life support care. Students must have valid EMT card (can be from National Registry or any state) and current CPR card for the Healthcare Provider. (AA)

EMS 0954
PARAMEDIC IA – THEORY
12 units, 144–162 lecture hours / 144–162 lab hours
Graded
Prerequisite: Current EMT I, EMT II, or AEMT certification and current CPR for the Professional, High School Diploma or GED, MATH 0830 or qualification through assessment and ENGL 0850 or ENGL 0896 or qualification through assessment. A registration permit is required.

This is the first course of the Paramedic Program. The emphasis is on the theory and management of pre-hospital care: patient assessment, patient treatment, and patient transport in the emergency setting. It also includes anatomy and physiology for the paramedic. This is an interactive, hands-on experience. (AA)

EMS 0955
PARAMEDIC IB – THEORY
14 units, 176–198 lecture hours / 160–180 lab hours
Graded
Prerequisite: EMS 0954. Must have taken EMS 0954 in same academic calendar year.

This is a continuation of EMS 0954, the didactic (classroom) portion of the Paramedic Program. The emphasis is on the theory and management of pre-hospital care: patient assessment, patient treatment, and patient transport in the emergency setting. This is an interactive, hands-on experience. (AA)

EMS 0956
PARAMEDIC II – CLINICAL
4 units, 192–216 other hours
Pass/No Pass
Prerequisite: EMS 0954 and EMS 0955

This course provides the required paramedic clinical rotations, individually arranged for each student at various days and times, at one of the acute care hospitals in northern California. Students attend 3 clinical shifts per week. Students must be willing to accept hospital placements from the Sacramento area north. Student must be available 24 hours a day/7 days a week. (AA)

EMS 0957
PARAMEDIC III – FIELD INTERNSHIP
10 units, 480–566 other hours
Pass/No Pass

This course provides hands-on experience in the ambulance for Paramedic students. Students will fulfill the ambulance hours and patient contacts as required. Individual internship placements are arranged by the college for each student. Students must be willing to accept internship placements from the Sacramento area north and be available 24 hours a day/ 7 days a week. (AA)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours</th>
<th>Grading</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 0958</td>
<td>PARAMEDIC III – FIELD INTERNSHIP REVIEW</td>
<td>2.5 units</td>
<td>120-135 other hours</td>
<td>Pass/No Pass</td>
<td>EMS 0957. Must have taken EMS 0957 in same academic calendar year. May take course with instructor approval only.</td>
<td>This course provides further hands-on experience in the ambulance. Students will have the opportunity to complete California State Title 22 requirements to become a paramedic if they were not completed in EMS 0957. (AA)</td>
</tr>
<tr>
<td>EMS 1001</td>
<td>EMERGENCY MEDICAL TECHNICIAN</td>
<td>6 units</td>
<td>72-81 lecture hours / 72-81 lab hours / 16-18 other hours</td>
<td>Graded</td>
<td>EMS 0950 or current CPR for the Professional by the first class meeting</td>
<td>This course provides the instruction necessary to prepare for the EMT Certification examination. The course covers the functions of the body systems, airway, trauma, medical, obstetric, pediatric, and geriatric emergencies. Students will be required to spend a minimum of 16 hours observing emergency care providers outside of class. Students must pass a background test, pass the National Registry Exam (additional fee and location), and be 18 years of age to receive Sierra Sacramento-Valley (SSV-V) EMT certification. (AA, CSU)</td>
</tr>
<tr>
<td>EMS 2949</td>
<td>WORK EXPERIENCE</td>
<td>0.5–8 units</td>
<td>30–600 lab hours</td>
<td>Graded</td>
<td></td>
<td>Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-units/semester. This course may be taken for credit a total of four times. (AA, CSU)</td>
</tr>
<tr>
<td>EMS 9060</td>
<td>EMERGENCY MEDICAL TECHNICIAN REFRESHER TRAINING</td>
<td>1 unit</td>
<td>16–18 lecture hours / 8–9 lab hours</td>
<td>Pass/No Pass</td>
<td></td>
<td>This course will review emergency care and transportation of the sick and injured for recertification. Includes review of anatomy, physiology, diagnosis and treatment necessary to save a life when problems are encountered involving breathing, bleeding, burns, drowning, cardiac arrest, broken bones, or other emergency situations. This course may be taken for credit a total of four times except when needed to meet legally mandated training requirements. (NDA)</td>
</tr>
<tr>
<td>EMS 9065</td>
<td>EMERGENCY MEDICAL RESPONDER</td>
<td>2 units</td>
<td>32–36 lecture hours / 16–18 lab hours</td>
<td>Graded</td>
<td></td>
<td>This course prepares the emergency medical responder to provide treatment for patients with medical and traumatic emergencies in the pre-hospital environment. This course includes CPR for the professional rescuer. (NDA)</td>
</tr>
<tr>
<td>EMS 9066</td>
<td>EMERGENCY MEDICAL RESPONDER – REFRESHER</td>
<td>0.5 units</td>
<td>8–9 lecture hours / 8–9 lab hours</td>
<td>Pass/No Pass</td>
<td></td>
<td>This course reviews the emergency medical responder skills and knowledge to provide treatment for patients with medical and traumatic emergencies in the pre-hospital environment. This course includes CPR for the professional rescuer. (NDA)</td>
</tr>
<tr>
<td>EMS 9060</td>
<td>FIRST AID FOR PUBLIC SAFETY PERSONNEL, TITLE 22</td>
<td>1 unit</td>
<td>16–18 lecture hours / 8–9 lab hours</td>
<td>Pass/No Pass</td>
<td></td>
<td>This course fulfills the California State Title 22 requirements designed to give the entry level rescuer/firefighter, peace officer and lifeguard training in First Aid, CPR for the Professional Rescuer, and AED. The course includes training in the following areas: CPR, AED, patient assessment, splinting, bleeding control, bandaging, airway management, shock treatment, medical emergencies, trauma emergencies, infectious disease control, and emergency childbirth. (NDA)</td>
</tr>
<tr>
<td>EMS 9081</td>
<td>ADVANCED FIRST AID</td>
<td>0.5 units</td>
<td>8–9 lecture hours / 8–9 lab hours</td>
<td>Pass/No Pass</td>
<td></td>
<td>This is a first aid course designed for the rescuer who is required to have advanced first aid - camp personnel, coaches, etc. Basic first aid techniques will be reviewed and more advanced techniques examined. At the end of this course the rescuer will be able to perform a patient assessment, splinting, bleeding control, airway management, shock recognition and treatment, medical emergencies, trauma treatment, and CPR. (NDA)</td>
</tr>
<tr>
<td>EMS 9082</td>
<td>COMMUNITY FIRST AID AND CPR</td>
<td>0.5 units</td>
<td>8–9 lecture hours</td>
<td>Pass/No Pass</td>
<td></td>
<td>This course is designed for the community lay rescuer: day care providers, teachers, school officials, and construction workers. This covers OSHA First Aid &amp; CPR training requirements. At the end of this course, the rescuer will be able to perform patient assessments, splinting, bleeding control, medical patient treatment, trauma patient treatment, and CPR. (NDA)</td>
</tr>
</tbody>
</table>
Engineering

General Description
Engineering is a profession in which knowledge of the mathematical and natural sciences is applied to develop ways to use the materials and forces of nature economically for the benefit of humanity. The Engineering curriculum also academically prepares the student to transfer to a four-year university to complete a Baccalaureate degree in a related field.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Demonstrate an ability to apply knowledge of mathematics, science, and engineering.
- Demonstrate an ability to effectively communicate scientific knowledge, experimental results and analyses.
- Demonstrate the skills, attitudes, values and knowledge to successfully transfer and to excel at a four-year school with a major in engineering.

Career Options
The following list is a sample of the many career options available for the engineering major. A few of these require an associate degree, most require a bachelor's degree, and some require a graduate-level degree: technician, engineer's assistant, civil engineer, urban planner, biomedical engineer, electronics engineer, computer engineer, software designer, telecommunications specialist, computer architect, test engineer, environmental engineer, soil engineer, aerospace engineer, CADD specialist, produce engineer, estimator, technical sales representative, construction manager, and general contractor.

Degree/Certificate Options

Associate in Science Degree Engineering

The Associate in Science Degree in Engineering provides the student the opportunity to complete all the lower division courses required for transfer to a university to pursue a degree in Engineering. The core courses provide the technical knowledge and skills needed for students to complete their upper division engineering course work at the university. Students will be building upon their high school mathematics and physical science background. Recommended high school preparation includes algebra, geometry, trigonometry, chemistry, and physics.

Requirements for the Major
- CHEM 2000 – General Chemistry I (5)
- ENGR 2017 – Introduction to Circuit Analysis (4)
- ENGR 2035 – Mechanics for Engineers - Statics (3)
- MATH 1400 – Calculus and Analytic Geometry I (5)
- MATH 1500 – Calculus and Analytic Geometry II (5)
- MATH 2400 – Calculus and Analytic Geometry III (5)
- MATH 2500 – Differential Equations (3)
- MATH 2600 – Linear Algebra (3)
- PHYS 2105 – Mech. Physics, Oscillations, & Waves (4)
- PHYS 2110 – Electrical Physics, Light (4)
- PHYS 2115 – Heat, Modern, and Quantum (4)

Total Major Units: 45

Courses

ENGR 2017
INTRODUCTION TO CIRCUIT ANALYSIS
4 units, 48-54 lecture hours / 48-54 lab hours
Graded
Prerequisite: PHYS 2110
Corequisite: MATH 2500
This course teaches basic electric circuit analysis techniques. Topics include a review of electricity fundamentals, DC circuit analysis, transient and steady state analysis of RLC circuits, phasers and AC circuit analysis, network functions, fourier analysis, and a lab. (AA, CSU, UC)

ENGR 2035
MECHANICS FOR ENGINEERS-STATICS
3 units, 48-54 lecture hours
Graded
Prerequisite: MATH 1500 and PHYS 2105
This course includes the determination of external and internal forces and moments on engineering structures and machines, etc. Vector and scalar methods are used to solve force and moment problems. (AA, CSU, UC)
Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Analyze and evaluate literary works in a variety of genres for their philosophical, historical, artistic, and cultural merits, applying the language of literary analysis appropriately.
• Recognize, identify, and apply a variety of critical approaches in interpretations and analyses of literary works.

Career Options
The following list is a sample of the many career options available for the English major. A few of these require an Associate in Arts degree, most require a bachelor’s degree, and some require a graduate-level degree: writer, poet, journalist, literary or film critic, high school or college instructor, film or television scriptwriter, lawyer, public relations person, technical writer, tutor, interpreter, writing consultant, methods analyst, program developer, grant writer, legislative assistant, civil servant, columnist, business administrator, and advertising agent.

Degree/Certificate Options
Associate in Arts Degrees
English (AA)
English for Transfer (AA-T)
Certificate of Achievement
Creative Writing
Certificate
English as a Second Language

Associate in Arts Degree
English

Designed to develop language skills and critical thinking skills for reading and writing. The study and analysis of literature provides contact with exemplary works of various cultures, genres, and historical periods. Composition courses develop the skills for effective communication, mental discipline, organization, coherence, and proper form. These courses satisfy the CSU lower-division requirements for the Bachelor’s Degree in English. It is strongly recommended that students who are planning to transfer into the CSU system as English majors follow this plan.

Both the AA and AA-T options have the same major requirements as listed below. The AA-T option is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus.

Requirements for the Major
Complete the following:

- ENGL 150 – Advanced Composition-Literature (3)
- ENGL 1502 – Advanced Composition-Critical Thinking (3)

List A – Complete two of the following:
- ENGL 2042 – World Literature (3)
- ENGL 2044 – American Literature I (3)
- ENGL 2046 – British Literature I (3)
- ENGL 2544 – American Literature II (3)
- ENGL 2546 – British Literature II (3)

List B – Complete one of the following:
- Any courses not used in List A above
- ENGL 1019 – Creative Writing (3)

List C – Complete one of the following:
- Any courses not used in List A or List B
- ENGL 1033 – Introduction to Shakespeare (3)
- ENGL 2036 – Children’s Literature (3)

Total Major Units: 18

All courses must be completed with a grade of C or better.

Certificate of Achievement
Creative Writing

Program Description
This program is intended to give a focused course of study for students interested in pursuing creative writing. Students will be
allowed to experience writing for a variety of genres, although the capstone project is intended to focus on the creating of a specific manuscript. From exploring and practicing the craft of writing to navigating the business of publishing, students who complete the Creative Writing Certificate will possess skills and experience that will propel them into the world of professional writing. Students will begin their journey into this certificate program in an introductory course that will prepare them for specialized courses in the genre(s) of their choosing: fiction, poetry, drama, and creative nonfiction.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Define his or her individual genre/literary niche
- Understand the history and current trends of chosen the genre
- Establish personal style and voice
- Navigate the business of writing/publishing
- Compose grammatically correct sentences, using correct verb forms of both regular and irregular verbs and modals.
- Recognize common etiquette forms and idiomatic expressions and utilize appropriate language responses to questions and in common social contexts.
- Demonstrate cultural awareness by explaining or comparing various cultural perspectives.
- Discuss and answer questions to a short reading selection.
- Employ appropriate vocabulary to life-skill topics, in real-life situations, and in obtaining employment; and apply effective workplace communication skills.
- Demonstrate progress in pronunciation skills.

Career Options
Many career paths may open up for students who complete the certificate, including abstract writer, poet, proof reader, editor, journalist/reporter, feature writer, screen/television script writer, and speech writer. (Some career options could require advanced study.)

Requirements for the Certificate:
Complete the following:

ENGL 0560 – Life Skills/Conversation for ESL Students (90 hours)
ENGL 0561 – ESL Level 1 (90 hours)
ENGL 0562 – ESL Level 2 (90 hours)
ENGL 0563 – ESL Level 3 (90 hours)

Total Certificate Hours: 360

Courses

**ENGL 0560**
LIFE SKILLS/CONVERSATION FOR ESL STUDENTS
0 units, 48–90 lecture hours
Pass/No Pass

This course provides a conversational approach to the learning of elementary English. It offers the non-native English speaker practice in verbal communication with special emphasis on literacy and life skills. The introduction to basic literacy skills reinforces spoken English. (NDA)

**ENGL 0561**
ESL LEVEL 1
0 units, 48–90 lab hours
Pass/No Pass
Prerequisite: ENGL 0560 or qualification through assessment

This course moves the non-native English speaking student from basic literacy skills to more in-depth practice with the structure and form of English. Speaking and listening skills are practiced, with introduction to writing and reading utilizing appropriate level texts. (NDA)

**ENGL 0562**
ESL LEVEL 2
0 units, 48–90 lab hours
Pass/No Pass
Prerequisite: ENGL 0561 or qualifying eligibility from the ESL assessment (Level II)

This course reinforces and expands a non-native English speaking student’s literacy skills. It engages students in collaborative activities that integrate reading, writing, speaking, and listening. Basic grammar and vocabulary are introduced in context. (NDA)
ENGL 0563
ESL LEVEL 3
0 units, 48–90 lab hours
Pass/No Pass
Prerequisite: ENGL 0562 or qualifying eligibility from the ESL assessment (Level III)
This course assists a non-native English speaking student in developing personal and contextual communication. Through the integration of reading, writing, speaking and listening activities in English it prepares the student to communicate academically and introduces intermediate level grammar structures in context. (NDA)

ENGL 0598
ENGLISH AS A SECOND LANGUAGE
0 units, 48–90 lab hours
Pass/No Pass
This course moves the non-native English speaking student from basic literacy skills to more in-depth practice with the structure and form of English. Speaking and listening skills are practiced, with introduction to writing and reading utilizing appropriate level texts. (NDA)

ENGL 0599
LIFE STORY WRITING
0 units, 48–90 lab hours
Pass/No Pass
This course is designed to help people find, capture, and write the stories of their lives. It will include: pointers to help writers get started, ideas to jog vivid memories, tips to sharpen writing skills, steps in rewriting, and ways to get manuscripts into print and share one’s life story with the community. (NDA)

ENGL 0800
BEGINNING READING AND WRITING SKILLS
3.5 units, 48–54 lecture hours / 32–36 lab hours
Graded
Improves writing skills and reading comprehension through study of pre-college level texts. Also introduces the basics of the composition process. Provides supplementary instruction and practice in sentence skills, reading comprehension, and the writing process. (NDA)

ENGL 0850
INTERMEDIATE READING AND WRITING SKILLS
3.5 units, 48–54 lecture hours / 32–36 lab hours
Graded
Prerequisite: ENGL 0800 or qualification through assessment
Improves writing at the essay level by focusing on structure, mechanics, and editing. Familiarizes students with source-based compositions. Emphasizes pre-college level reading of nonfiction with attention to formal responses to reading. (NDA)

ENGL 0858
WRITING IN THE WORKPLACE
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0896 or qualification through assessment
This course covers the basic knowledge and skills necessary for writing common types of business-related documents. Students will learn to utilize the writing process to create effective memos, letters, and emails. Students will also strengthen their proofreading skills through intensive study of the most commonly made errors in grammar, punctuation, spelling, and diction. (NDA)

ENGL 0870
WRITING LAB
0.5–1 unit, 24–54 lab hours
Pass/No Pass
An open-entry course providing individualized instruction in writing. May be taken for credit a total of four times. (NDA)

ENGL 0900
INTRODUCTION TO COLLEGE READING AND WRITING
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0850 or qualification through assessment
Introduction to analysis, interpretation, inference, and information competency. Prepares students to write well-organized, unified and coherent essays for a college audience and teaches critical reading skills for college-level reading material. (AA)

ENGL 1001
COLLEGE COMPOSITION
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0900 or qualification through assessment
A composition course focusing on unity, clarity, coherence and vitality of expository communication within the sentence, paragraph, and essay. Students will increase skill in diction, syntax, style, thesis development, information competency, and research skills. The course requires frequent writing assignments totaling a minimum of 8,000 words. (AA, CSU, UC)

ENGL 1004
TECHNICAL WRITING
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001
The course is designed to enable students to research, analyze, plan, write, and edit effective business documents using current technology. Topics include understanding the business audience, the importance of design, integrating graphics into documents, and making effective presentations. Students will learn how to create various business reports, technical documents, proposals, letters, and memoranda. (AA, CSU, UC)
ENGL 1019
INTRODUCTION TO CREATIVE WRITING
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001

Designed for the student who wants to become a creative writer, this course will provide a foundation for further exploration and practice in poetry, fiction, and/or drama. Through critical analysis of works written by notable writers, elements of literature, and examination of the writer-reader relationship, students will gain the tools to begin crafting their own creative works and to identify their voices as writers. This is the first course for the Creative Writing Certificate. (AA, CSU)

ENGL 1020
ADVANCED CREATIVE WRITING – FICTION
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1018 or ENGL 1019

This course is designed for the student who wishes to continue in the discipline of Creative Writing. Instruction is based on the needs of the individual student in the writing of any form of fiction regardless of length. Completed manuscripts, unfinished long and short fiction, as well as new material will be assessed by the instructor and through peer evaluation. The student will engage in critical analyses of works by established authors and in class discussions on the forms of fiction and strategies for writing. (AA, CSU, UC)

ENGL 1021
ADVANCED CREATIVE WRITING – POETRY
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1018 or ENGL 1019

This course is designed for the student who wishes to continue in the discipline of Creative Writing. Instruction is based on the needs of the individual student in the writing of any form of poetry regardless of length. Completed manuscripts, revised drafts, as well as new material will be assessed by the instructor and through peer evaluation. The student will engage in critical analyses of works by established poets and in class discussions on poetic forms and strategies for writing. May be taken for credit a total of three times. (AA, CSU, UC)

ENGL 1022
ADVANCED CREATIVE WRITING – CREATIVE NONFICTION
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1018 or ENGL 1019

This course is designed for students who wish to continue in the Creative Writing discipline. Individualized instruction will focus on using fiction techniques to create dynamic nonfiction from personal essay and memoir to nature writing and literary journalism. Students will analyze works by established authors and engage in class discussions of forms and strategies for writing creative nonfiction. Student writings will be assessed by the instructor and through peer evaluation. May be taken for credit a total of three times. (AA, CSU, UC)

ENGL 1023
CREATIVE WRITING WORKSHOP
1 unit, 16-18 lecture hours
Pass/No Pass

In this three-day creative writing workshop, students will meet, interact, and learn from published authors writing in a variety of genres. Students will participate in small group workshops and listen to author readings and lectures on various aspects of writing. In addition, students will be welcomed into the community of writers by giving a reading of their own work. May be taken for credit a total of four times. (AA)

ENGL 1033
INTRODUCTION TO SHAKESPEARE
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001

This course is an introduction to Shakespeare, his theater, and some important concepts of his world. Students will have the opportunity to examine Shakespearean tragedies, comedies, histories and sonnets. In addition to discussions, students will enhance their understanding and appreciation of Shakespeare’s plays by analyzing film versions and, when possible, live stage productions. (AA, CSU, UC)

ENGL 1038
MULTICULTURAL COMMUNICATION
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 0900 or qualification through assessment

Introduction to intercultural communication in domestic and/or global contexts. Influence of cultures, languages, and social patterns on how members of groups relate among themselves and with members of different ethnic and cultural groups. Theory and knowledge of effective communication within and between cultures. Appreciation and comparison of communication of diverse groups within the larger context of American culture. (AA, CSU, UC) (C-ID: COMM 150)

ENGL 1501
ADVANCED COMPOSITION – LITERATURE
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001

This course provides an introduction to the three major genres of imaginative literature—poetry, drama, and fiction—and to writing about literature with emphasis on critical thinking and literary analysis. As a follow-up to ENGL 1001, this course includes further instruction in research and writing skills. The course requires frequent writing assignments totaling a minimum of 8,000 words. (AA, CSU) (C-ID: ENGL 120)
ENGL 1502
ADVANCED COMPOSITION – CRITICAL THINKING
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001 or qualification through assessment
This course emphasizes critical thinking in argumentation, including the principles of rhetoric and analysis of the writing process. Students will engage in close reading and evaluation of texts and apply the elements of logic to the creation of arguments. The course requires frequent writing assignments totaling a minimum of 8,000 words. (AA, CSU, UC) (C-ID: ENGL 105)

ENGL 2021
WRITING FOR PUBLICATION
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001
Instruction in techniques necessary to become a published writer. Analysis of expression in the major forms of non-fiction and fiction writing, including the short story, poetry, essay, novel, and non-fiction genres. Reading and discussion of major classical and modern writers. Analysis of publishing techniques and markets. Individual criticism of manuscripts. Development of good writing habits and creative approaches to writing. Students will do creative and analytical work throughout the semester. (AA,CSU)

ENGL 2036
CHILDREN’S LITERATURE
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001
This course will acquaint students with literature written for and read by children. Students will explore historical backgrounds and development of types of children’s literature, important illustrators, trends in style, purpose, and subject matter. Students will utilize children’s literature as a vehicle for children’s learning. (AA,CSU,UC)

ENGL 2042
WORLD LITERATURE
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001 or qualification through assessment
This survey course introduces students to representative works of world literature and explores the enduring human values which unite the different literary traditions. Students will engage in comparative and interdisciplinary analysis as they consider the literary, cultural, and human significance of selected works of the Western and non-Western literary traditions. Upon completion, students should be able to interpret, analyze, and respond to the literary works in their historical, cultural, and comparative contexts. (AA, CSU, UC)

ENGL 2044
AMERICAN LITERATURE I
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001
This survey course covers selected works in American literature from the Age of Discovery to the Civil War. Emphasis is placed on historical background, cultural context, and literary analysis of selected works from the colonial period, the revolutionary period, the Romantic Era, and the transcendentalist movement. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. (AA,CSU,UC) (C-ID: ENGL 130)

ENGL 2046
BRITISH LITERATURE I
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0900
Advisory: ENGL 1001
This survey course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. (AA,UC,CSU)

ENGL 2544
AMERICAN LITERATURE II
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 1001
This survey course covers selected works in American literature from Civil War and Reconstruction to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected works in Realism, Naturalism, Modernism, the Harlem Renaissance, and the later 20th Century. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. (AA,CSU,UC) (C-ID: ENGL 135)

ENGL 2546
BRITISH LITERATURE II
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0900
Advisory: ENGL 1001
This survey course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. (AA,UC,CSU)
Environmental Resources

Dean of Career and Technical Education
530.938.5512

General Description
The Environmental Resources program offers Associate in Science degrees and certificates in areas of Power Generation Technology and Sustainable Communities. Each area has its distinctive program learning outcomes and requirements. The program will provide students training for gainful employment in the fields of natural resources management, power generation and distribution, and the emerging green economy.

Power Generation Technology
This program will prepare students for entry level positions in the steam and electrical power generation and distribution industry. Students will be trained to control, monitor and maintain boilers, turbines, generators, and auxiliary equipment in power-generating plants. Courses will include an introduction to how operators manage and distribute power demands among generators and other steam hosts as well as monitor instruments to maintain voltage and regulate electricity flows from the plant. The theory and operation of all plant support and ancillary equipment will be included. Computers will be used to keep records and prepare reports of plant operations, functions, and maintenance. A connection to bio-fuel sources and related issues will be emphasized.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Control, monitor and maintain boilers, turbines, generators, and auxiliary equipment in power-generating plants.
• Monitor instruments to regulate electricity flows from a power-generating plant.
• Demonstrate proper operation of plant support functions.

Career Options
Power plant operations

Degree/Certificate Options
Associate in Science Degree
Environmental Resources – Power Generation Technology

Certificate of Achievement
Environmental Resources – Power Generation Technology

Associate in Science Degree
Environmental Resources – Power Generation Technology

Requirements for the Major
Semester one
CSCI 1001 – Intro to Computer Science (3)
ERPG 0950 – Power Plant Fundamentals (3)
ERPG 0951 – Mechanical Fundamentals (1)
ERPG 0952 – Environmental Health and Safety (2)
ERPG 0953 – Technical Document Reading (2)

Semester two
ERPG 0961 – Steam Generation and Boilers (3)
ERPG 0962 – Steam Turbine & Sup. Systems (2)
ERPG 0963 – Power Plant Support Systems (3)
ERPG 0964 – Chemistry for Power Generation (3)
ERPG 1049 – Work Experience (1)

Complete one of the following:
BA 0959 – Business and Practical Math (3)
MATH 0980 – Intermediate Algebra (3)

Semester three
ERPG 0972 – Instrumentation and Process Control (3)
ERPG 0973 – Electrical Fundamentals (3)
ERPG 2049 – Work Experience (3)

Semester four
ERPG 0970 – Combustion Turbines and Support System (3)
ERPG 0971 – Electrical Generators (2)
ERPG 2549 – Work Experience (4)

Total major units: 44

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement
Power Generation Technology

Requirements for the Certificate
Semester one
CSCI 1001 – Intro to Computer Science (3)
ERPG 0950 – Power Plant Fundamentals (3)
ERPG 0951 – Mechanical Fundamentals (1)
ERPG 0952 – Environmental Health and Safety (2)
ERPG 0953 – Technical Document Reading (2)

Semester two
ERPG 0961 – Steam Generation and Boilers (3)
ERPG 0962 – Steam Turbine & Sup. Systems (2)
ERPG 0963 – Power Plant Support Systems (3)
ERPG 0964 – Chemistry for Power Generation (3)
ERPG 1049 – Work Experience (1)

Total Certificate Units: 23

All courses must be completed with a grade of C or better.

Courses

ERPG 0950
POWER PLANT FUNDAMENTALS
3 units, 48–54 lecture hours
Graded
Corequisite: ERPG 0951, ERPG 0952, and ERPG 0953

This course is an introduction to power plants and electrical power generation. Major topics include the systems, equipment and components required for power generation. (AA)
ERPG 0951
MECHANICAL FUNDAMENTALS
1 unit, 16-18 lecture hours
Graded
Corequisite: ERPG 0950, ERPG 0952, and ERPG 0953

This course identifies maintenance fundamentals of typical power plant equipment. Specific topics include various mechanical equipment, preventative maintenance programs and on-going general and specific maintenance requirements. (AA)

ERPG 0952
ENVIRONMENTAL HEALTH AND SAFETY
2 units, 32-36 lecture hours
Graded
Corequisite: ERPG 0950, ERPG 0951, and ERPG 0953

This is a survey course of environmental, health, and safety policies, issues, and protection related to a power generation environment. Specific topics include safety programs, safety hazards and personal protection, safety tagging procedures, facility environment, fire protection, general environmental impact and remediation, basic pollution control equipment, continuous emissions monitoring system (CEMS), and air and water quality operating permits. (AA)

ERPG 0953
TECHNICAL DOCUMENT READING
2 units, 32-36 lecture hours
Graded
Corequisite: ERPG 0950, ERPG 0951, and ERPG 0952

This course is a fundamental study of technical documentation used in power generation and process plant applications. Specific topics include basic diagrams and symbols, flow and electrical diagrams, piping and instrument diagrams (P&ID), and manufacturer operation and equipment manuals. (AA)

ERPG 0954
STEAM TURBINES AND GENERATORS
2 units, 32-36 lecture hours
Graded
Prerequisite: ERPG 1049

This is an introductory course on the design, function and operation of steam turbines, auxiliary systems and steam turbine/electrical generators in power plant applications. (AA)

ERPG 0955
GAS TURBINE ENGINES AND GENERATORS
1 unit, 16-18 lecture hours
Graded
Prerequisite: ERPG 1049

This is a survey course of gas turbine engines used in simple cycle and combined cycle applications for power generation. Specific topics include aero and fixed-frame derivates, combustion turbine sections, auxiliary systems, and operational procedures for various combustion turbine applications. (AA)

ERPG 0956
PLANT WATER CHEMISTRY AND TREATMENT
2 units, 32-36 lecture hours
Graded
Prerequisite: ERPG 1049

This is a survey course of water chemistry principles and treatment applications used in power generation or process plant applications. Specific topics include demineralization, reverse osmosis, and treatment programs for boilers, cooling towers, condensate systems and feedwater systems. (AA)

ERPG 0961
STEAM GENERATION AND BOILERS
3 units, 48-54 lecture hours
Graded
Prerequisite: Instructor Approval. Contact the CTE Office for more information at 530.938.5512

This course is a survey of boilers and heat recovery steam generators (HRSG). Specific topics include the theory of steam generation, boiler and HRSG configurations, components and auxiliary equipment, boiler operation and protective features. (AA)

ERPG 0962
STEAM TURBINE AND SUPPORT SYSTEMS
2 units, 32-36 lecture hours
Graded
Prerequisite: ERPG 1049

This is an introductory course on the design, function and operation of steam turbines. (AA)

ERPG 0963
POWER PLANT SUPPORT SYSTEMS
3 units, 48-54 lecture hours
Graded
Prerequisite: Instructor Approval. Contact the CTE Office for more information at 530.938.5512

This course is an introduction to power plant support systems. Major topics include: the various supporting systems, equipment and components required for power generation. (AA)

ERPG 0964
CHEMISTRY FOR POWER GENERATION
3 units, 48-54 lecture hours
Graded

This is a survey course of water chemistry principles and treatment applications used in power generation or process plant applications. Specific topics include water treatment and water treatment equipment, process systems water treatment, boiler and HRSG water treatment, and water treatment chemicals and applications. (AA)
ERPG 0970
COMBUSTION TURBINES AND SUPPORT SYSTEMS
3 units, 48–54 lecture hours
Graded
Prerequisite: ERPG 1049
This is a survey course of combustion turbines used in simple
cycle and combined cycle applications for power generation.
Specific topics include Brayton cycle, gas turbine construction and
application, gas turbine support systems, and operation, reliability,
and efficiency. (AA)

ERPG 0971
ELECTRICAL GENERATORS
2 units, 32–36 lecture hours
Graded
Prerequisite: ERPG 0950
This is an introductory course on the design, function and operation
of electrical generators in power plant applications. Major topics
include generator construction and application, generator support
systems, and generator operation and control. (AA)

ERPG 0972
INSTRUMENTATION AND PROCESS CONTROL
3 units, 48–54 lecture hours
Graded
Prerequisite: ERPG 2049
This is a survey course of instrumentation and process control
principles and applications used in power generation applications.
Specific topics include power plant controls, types and applications
of field devices, automatic control loop responses, simple control/
feedback loops, and logic control systems. (AA)

ERPG 0973
ELECTRICAL FUNDAMENTALS
3 units, 48–54 lecture hours
Graded
Prerequisite: ERPG 2049
This course covers basic electricity and identifies distribution and
transmission. Specific topics include basic electrical theory, motor
and motor controller construction and application, electrical
distribution systems and equipment, bulk electric system and
electrical safety. (AA)

ERPG 1003
PRINCIPLES OF ELECTRICITY
3 units, 48–54 lecture hours
Graded
This is an introductory course in electronics. Students will gain
their first exposure to circuits, components of circuits, and reading
schematic diagrams. Additional topics will include AC and DC
components, sustainable sources of electric energy, circuitry, and
current trends in the design of efficient electronic components that
reduce energy consumption. (AA, CSU)

ERPG 1049
POWER GENERATION TECHNOLOGY WORK EXPERIENCE I
1 unit, 60–75 lab hours
Graded
Occupational Work Experience is supervised employment extending
classroom-based occupational learning at an on-the-job learning
station relating to the student's educational or occupational goal.
One work experience credit can be awarded for 60 hours of unpaid
work or 75 hours of paid work. Students can earn a maximum of 16
semester units, 0.5–8 units/semester. This course may be taken for
credit a total of four times. (AA, CSU)

ERPG 1549
POWER GENERATION TECHNOLOGY WORK EXPERIENCE
2ND ENROLLMENT
2 units, 96–108 lab hours
Graded
Prerequisite: ERPG 1049, ERPG 0961, ERPG 0962, ERPG 0963, ERPG
0964 or concurrent enrollment
Occupational Work Experience is supervised employment extending
classroom-based occupational learning at an on-the-job learning
station relating to the student's educational or occupational goal.
(AA, CSU)

ERPG 2049
POWER GENERATION TECHNOLOGY WORK EXPERIENCE
3RD ENROLLMENT
3 units, 180–225 lab hours
Graded
Prerequisite: ERPG 1549, ERPG 0970, ERPG 0971 or concurrent
enrollment
Occupational Work Experience is supervised employment extending
classroom-based occupational learning at an on-the-job learning
station relating to the student's educational or occupational goal.
(AA, CSU)

ERPG 2549
POWER GENERATION TECHNOLOGY WORK EXPERIENCE
4TH ENROLLMENT
4 units, 240–300 lab hours
Graded
Prerequisite: ERPG 2049, ERPG 0972, ERPG 0973 or concurrent
enrollment
Occupational Work Experience is supervised employment extending
classroom-based occupational learning at an on-the-job learning
station relating to the student's educational or occupational goal.
(AA, CSU)

ERPG 2929
SPECIAL STUDIES
1–2 units, 54–108 lab hours
Graded
This course provides an opportunity for capable students to do a
research project or other study in an area of special interest. This
course may be taken for credit a total for four times. (AA, CSU)
Natural Resources

Courses

NR 1002
NATURAL RESOURCES CONSERVATION
3 units, 48-54 lecture hours
Graded

A study of the history and development of conservation in the United States and the impact of human populations upon these resources. Consideration will be given to environmental principles, government and private resource management, conservation and environmental legislation, and conservation practices applicable to improving natural resources, including soil, water, forest, rangeland, and wildlife. (AA,CSU)

NR 9063
CURRENT ENVIRONMENTAL ISSUES
1 unit, 16-18 lecture hours
Graded

This course is a workshop exploring topics dealing with environmental issues and sustainability. Emphases include human population growth and natural resource use, global environmental challenges, biodiversity loss, energy consumption, sustainable resource use from the community and individual perspective. (NDA)

NR 9064
CONSERVATION AWARENESS
0.5 units, 8-9 lecture hours
Graded

This course will explore topics in natural resource conservation, including trends and issues pertinent to the management of renewable and nonrenewable resources, relevant ecological concepts, local and global conservation issues, and energy conservation. (NDA)

Sustainable Communities

The Sustainable Communities program offers a practical, integrated and interdisciplinary examination of the interactions between humans and natural ecosystems with an emphasis on solutions and entrepreneurship. Students will explore a variety of green industries, new trends, entrepreneurial niches and green income opportunities. Through various hands-on skills labs, community based internships and service projects students will gain marketable skills and customize their entry points into a green career pathway.

Program Learning Outcomes

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

• Clearly articulate to community members, through written, spoken or electronic communication, the topics and issues associated with sustainability.
• Demonstrate a specific skill set valued within sustainable communities.
• Identify and pursue income-generating opportunities consistent with sustainable living.
• Demonstrate an awareness of diversity issues and different cultural perspectives on the environment.
• Demonstrate the ability to make thoughtful choices about how to live, work and play within their environment.

Career Options

Entrepreneurship and business management in environmentally oriented fields, community leadership, consulting, outdoor recreation, and environmental studies/sciences transfer.

Degree/Certificate Options

Associate in Science Degree
Environmental Resources – Sustainable Communities

Certificates of Achievement
Environmental Resources – Sustainable Communities

Associate in Science Degree and Certificate of Achievement

Requirements for the Major or Certificate

Complete the following:

Sustainability Interests
AG 9061 - Applied Agriculture and Food Skills Lab (3)
ERSC 0952 - Building Performance and Efficiency (2)
ERSC 0953 - Tapping into Renewable Energy (1)

Entrepreneurship
BA 0903 - Attitude in the Workplace (0.5)
BA 0904 - Conflict Management (0.5)
BA 0908 - Stress Management (0.5)
BA 0973 - Triple Bottom Line Business (1)

Outdoor Recreation
ERSC 1003 - Outdoor Adventure Leadership Skills Lab (3)
ERSC 1023 - Backpacking and Hiking Skills
ERSC 1033 - Mountaineering Skills Lab
ERSC 1043 - Whitewater Skills Lab
PEAC course - Personal Wellness/Outdoor Physical Experience (1)

University Transfer
BIO 1400 - Environmental Principles (3)
COMS 1600 - Conflict Resolution (3)
GEOL 1110 - Environmental Geology (3)
HIST 1022 - Environmental History of North America (3)

Total Major or Certificate Units: 18

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Courses

ERSC 0951
GREENING YOUR WORLD
3 units, 32–36 lecture hours / 48–54 lab hours
Graded
Through this course, students will research and implement strategies to incorporate environmentally friendly practices at home, at work, on campus, and in their communities. Students will gain analytical skills, allowing them to fully evaluate the individual and societal costs of various consumer and production decisions. Both short and long-term costs and benefits will be considered in researching and implementing green alternatives. Emphasis will be on renewable energy, efficiency, and conservation. (AA)

ERSC 0952
BUILDING PERFORMANCE AND EFFICIENCY
2 units, 16–18 lecture hours / 48–54 lab hours
Graded
This hands-on diagnosis and remediation training course stresses the use of a systems approach to solve energy efficiency, health, comfort and safety problems in existing homes and buildings. Course topics include fundamental building science, systems interactions, diagnostic tools and methods, remediation techniques, combustion safety, and the practical business and marketing implications of integrating diagnostics into a business. (AA)

ERSC 0953
TAPPING INTO RENEWABLE ENERGY: SUSTAINABLE BUILDING AND USE OF SOLAR AND WIND POWER
1 unit, 16–18 total lecture hours
Graded
This workshop will offer participants an overview of efficiency and renewable living options appropriate in Siskiyou County, highlighting on solar power. We will cover basic electrical concepts and introduce how to design a solar application for specific sites including grid tie and grid free systems. Participants will learn about the components and products available, be exposed to solar resources and visit solar powered sites. This class is ideal for home/ranch and land owners. (AA)

ERSC 1001
INTRODUCTION TO SUSTAINABLE COMMUNITIES
4 units, 48–54 lecture hours / 48–54 lab hours
Graded
Advisory: ENGL 0900
This course examines the interactions between humans and global ecosystems. Students will examine a variety of environmental issues with emphasis on the social, political, and economic implications. This course explores how people perceive and relate to their biophysical environment and encourages critical analysis of how the environment impacts various cultural groups. (AA, CSU)

ERSC 1003
OUTDOOR ADVENTURE LEADERSHIP SKILLS
3 units, 32–36 lecture hours / 48–54 lab hours
Graded
This course is an introduction to the history and philosophy of outdoor adventure education with applications to current trends and opportunities for the future. Participants will survey agencies, organizations, and programs in the outdoor industry while learning basic skills in leadership, environmental ethics, and guiding. This course includes river and mountain field trips that will allow students to apply teachings. (AA, CSU)

ERSC 1023
BACKPACKING AND HIKING SKILLS
1 unit, 48–54 lab hours
Graded
This course is an introduction to basic skills needed to safely enjoy backpacking opportunities in our area. Participants learn basic land navigation, proficient safety practices, “Leave No Trace” practices, proper use of equipment and risk management planning. Students will also learn basic outdoor cooking, water management, fast packing skills techniques, and environmental stewardship. Students will be exposed to job opportunities in the Backpacking industry. (AA, CSU)

ERSC 1033
MOUNTAINEERING SKILLS LAB
1 unit, 48–54 lab hours
Graded
This course is an introduction to basic skills needed to safely enjoy mountaineering opportunities in our area. Participants learn basic navigation, safety practices including an introduction to avalanche awareness, proper use of equipment and risk management planning. Students will also learn basic climbing techniques, self rescue, client care skills and environmental stewardship. Lastly, students will be exposed to job opportunities in the climbing industry. (AA, CSU)

ERSC 1043
WHITWATER SKILLS LAB – LEADERSHIP
1 unit, 48–54 lab hours
Graded
This course is an introduction to basic skills needed to safely enjoy various whitewater activities in our area. Participants learn basic river navigation, safety practices, proper use of equipment and risk management planning. Students will also learn basic river etiquette, client care skills and environmental stewardship in this course. Lastly, students will be exposed to job opportunities in the whitewater rafting industry. (AA, CSU)
ERSC 2020
SUSTAINABLE COMMUNITIES PROJECT IMPLEMENTATION
2 units, 24-27 lecture hours / 24-27 lab hours
Graded
Prerequisite: All courses required for Sustainable Communities Certificate

Through this capstone course, students will identify an internship or independent project related to the study of sustainable communities. Students will plan, implement, evaluate, and report their experiences. Through this service learning process, students will be better prepared to identify and implement the next steps to pursue related to employment, education, or entrepreneurship. (AA, CSU)

ERSC 2929
SPECIAL STUDIES
1-2 units, 54-108 lab hours
Graded
This course provides an opportunity for capable students to do a research project or other study in an area of special interest. (AA, CSU)

ERSC 2949
WORK EXPERIENCE
0.5-8 units, 30-600 lab hours
Graded
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)

Environmental Science

General Description
Environmental science is a multidisciplinary branch of science that focuses on understanding environmental systems, identifying and addressing human impacts on the environment, and connecting sound science to policy decisions. The Environmental Science major at COS will challenge students to strengthen their understandings of the natural and physical sciences, and takes advantage of the rich environmental science laboratory we live in by engaging students in local environmental research or work experience. This program will provide academic preparation for students who intend to transfer to a four-year institution.

Program Learning Outcomes
Upon successful completion of this major students should be able to:
- Display knowledge of past, current, and projected environmental issues and be able to relate these issues to underlying scientific principles.
- Use empiricism and the scientific method (make careful observations, design experiments, and collect, analyze, and interpret data).
- Communicate environmental science knowledge orally and in writing.
- Apply knowledge and skills gained to the successful completion of upper division environmental science courses.
- Function as an environmentally literate citizen who can explore environmental issues using solid scientific principles and reach informed decisions about the complex environmental issues facing society.

Career Options
There are many exciting careers available to people with an environmental science background including the following: environmental scientist, geoscientists, hydrologist, environmental consultant, energy consultant, conservation scientist, environmental educator, environmental technician, forester, teacher, and energy technician. Many of these careers require a bachelor's degree or higher.

Degree/Certificate Options
Associate in Science in Environmental Science

Requirements for the Major
Core - Complete the following:
- ENVS 1002 – Environmental Science (4)
Environmental science research or work-related project - Complete one of the following:
- BIO 2929 – Special Studies in Biology (1-2)
- BIO 2949 – Work Experience in Biology (1)
- CHEM 2929 – Special Studies in Chemistry (1-2)
Biology & Chemistry - Complete one of the following sequences:
- BIO 2100 – General Biology I: The Unity of Life (5) and BIO 2200 – General Biology II: The Diversity of Life and Ecology (5)
- OR
- CHEM 2000 – General Chemistry I (5) and CHEM 2100 – General Chemistry II (5)
Geology & Physics - Complete one of the following:
- GEOL 1140 – Oceanography (3)
- GEOL 1210 – Physical Geology (4)
- GEOL 1220 – Historical Geology (4)
- PHYS 1105 – General Physics I (4)
- PHYS 2105 – Mechanical Physics, Oscillations, and Waves (4)
Total Major Units: 18-20
It is highly recommend that students round out their understanding of the applied, social science, and humanities aspects of the environment by taking the following courses at COS: Environmental History, Environmental Ethics, Introduction to Natural Resources, and Introduction to Sustainable Communities.

All courses must be competed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Transfer students must complete the CSUGE or IGETC requirements. Consult with an advisor or counselor to plan the courses necessary to achieve your academic goal.

### Courses

**ENVS 1002**  
**ENVIRONMENTAL SCIENCE**  
4 units, 48-54 lecture hours / 48-54 lab hours  
Graded

This lab course introduces students to the issues, methodologies, and content in environmental science. Through lectures, laboratories, and discussions, students will learn about science as a process, energy in the human and natural worlds, ecological processes at the population, community, and ecosystem levels, impacts of humans on the environment, the social and cultural context of humans' relationship with the environment, and sustainability. (AA, CSU, UC)

**FCS 0610**  
**INDEPENDENT LIVING**  
0 unit, 54-72 total hours  
Pass/No Pass

This course deals with fundamental principles needed to live independently such as budget management, socialization, entitlement programs, consumer education, and effective human relations. May include field trips to enrich students' social opportunities. (NDA)

**FCS 0960**  
**NATURAL FOOD PLANNING AND PREPARATION**  
1.5 units, 24-27 lecture hours  
Graded

This course will explore options in personal food plans by creating a holistic approach for both the physical environment of the student as well as the community as a whole. Awareness in sustainable food preparation and exposure to seasonal food choices, as well as basic food safety procedures, are also covered. (AA)

**FCS 1011**  
**NUTRITION**  
3 units, 48-54 lecture hours  
Graded

The function of carbohydrates, fats, proteins, vitamins, and minerals required by the body and their relation to health is studied along with a study of digestion, absorption of food, endocrine glands, diets for pregnant mothers, children, teenagers, and older adults. The problems involved in overweight, undernutrition, and the planning and budgeting of family menus is also covered. (AA, CSU, UC)

**FCS 2929**  
**SPECIAL STUDIES**  
1-2 units, 54-108 lab hours  
Graded

This course provides an opportunity for capable students to do additional study on selected topics in home economics. (AA, CSU)
The Fire/Emergency Response Technology program at College of the Siskiyous is designed to provide the pre-employment skills required for the career firefighter. The program is approved as an Accredited Regional Training Program by the California State Board of Fire Services. The accredited status allows COS to operate as an arm of the State Fire Training Office and to test and issue certificates locally. The program prepares students for careers in firefighting, provides in-service training to career and volunteer firefighters, and includes certification as a Firefighter I, Firefighter II, and Fire Officer. A number of specialized courses certified by the California State Fire Marshal’s Office, The National Fire Academy, and /or the National Wildfire Coordinating Group are also offered. The curriculum may also academically prepare the student to transfer to a four-year university to complete a baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Identify minimum qualifications and entry-level skills for fire fighter hiring. The student will be able to describe the following elements: application process, written exam process, physical agility exam, oral interview, chief’s interview, background investigation, and fire fighter probationary process. Students will identify fire service history, culture and diversity.
- Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and firefighter safety including: Size-up, report on conditions, Incident Command System, RECEO, 10 Standard Firefighting Orders, 18 Situations that Shout “Watch Out”, and common factors associated with injuries and line of duty deaths.
- Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.
- Analyze the causes of fire, determine extinguishing agents and methods, differentiate the stages of the fire and fire development, and compare methods of heat transfer.
- Calculate flow requirements for fire apparatus, diagram a pump and plumbing schematic for fire apparatus, and apply mathematic formulae to hydraulics problems.
- Identify and describe the apparatus used in the fire service, and the equipment and maintenance of fire apparatus and equipment.
- Identify and describe common types of building construction and conditions associated with structural collapse and firefighter safety.
- Differentiate between fire detection and fire suppression systems. Student will design and diagram a wet and dry fire protection system, and identify alarm system components and their operations.

Career Options
Emergency Services Administrator, Firefighter*, Fire Investigator, Fire Instructor, Fire Officer, Fire Prevention Officer, Hazardous Materials Specialist, Rescue Technician

*Firefighter positions can be found with the following agencies: City Fire Service, County Fire Services, California Department of Forestry and Fire Protection, the United States Forest Services, and other State and Federal wildland fire agencies.

Degree/Certificate Options

Associate in Science Degree
Fire/Emergency Response Technology

Certificate of Achievement
Firefighter I

Certificates
Firefighter II
Fire Officer
Volunteer Firefighter
Wildland Firefighter Basic Training

Associate in Science Degree
Fire/Emergency Response Technology

This program is designed to provide the pre-employment skills required for the career firefighter. This program also satisfies the lower-division requirements of several four-year institutions offering baccalaureate degrees in Fire Protection Administration and Technology. See your advisor for transfer requirements. Listed below is the minimum coursework required for a major in Fire/Emergency Response Technology for students seeking an Associate in Science Degree. Students may enter the program in any semester. Most fire service agencies require this same course work for entry-level testing. An Associate in Science Degree in Fire/Emergency Response Technology is required by most fire service agencies to advance beyond firefighter.

Requirements for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>FIRE 0950</td>
<td>20</td>
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<tr>
<td>FIRE 1001</td>
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<td>FIRE 1002</td>
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<td>FIRE 1006</td>
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Total Major Units: 38

Students must pass FIRE 0950 with a grade of “B” or better. All other courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Fire/Emergency Response Technology

Certificates of Achievement
Fire/Emergency Response Technology

Firefighter I

Students who have completed FIRE 0950, Firefighter I Academy, will be eligible for California State Fire Marshal certification as a Firefighter I and will be qualified for entry-level firefighter positions in Federal, State, County, and Municipal fire departments. Candidates for the Fire Academy are required to successfully pass a physical agility entrance exam. Additionally, College of the Siskiyous has implemented State Fire Training’s new curriculum which allows our fire academies to be IFSAC and Pro Board Certified and ensures that our certifications will be recognized anywhere in the United States.

Requirements for the Certificate

Complete the following:
- FIRE 0950 - Firefighter I Academy (20)

Complete one of the following:
- EMS 1001 - Emergency Medical Training-Basic (6)
- EMS 9065 - First Responder Medical (2)

Total Certificate Units: 22-26

Students must maintain a “B” average on all coursework in FIRE 0950.

Students successfully completing the Firefighter I Academy will also receive certification in the following areas:

- Hazardous Materials First Responder Operational (CSTI)
- Auto Extrication (F-STEP)
- Confined Space Rescue Awareness (F-STEP)
- Low Angle Rope Rescue Operations (LARRO) (F-STEP)
- Flashover Recognition and Survival (COS)
- Awareness: Rope and Water Rescue (Cal Fire)
- FI-110 Origin Identification and Scene Protection (NWCG)
- I-200 Incident Command (NWCG)
- L-180 Human Factors on the Fireline (NWCG)
- S-130 Basic Wildland (NWCG)
- S-133 Look Up, Look Down, Look Around
- S-190 Wildland Fire Behavior (NWCG)
- S-212 Wildland Fire Chain Saws (NWCG)
- S-215 Fire Operations in the Wildland/Urban Interface (NWCG)
- Work Capacity Test – Arduous Level (USFS)
- Fire Control 1 Basic Fire Chemistry (F-STEP)
- Fire Control 2 Basic Operations-Structural (F-STEP)
- Fire Control 3B Structural Fire Fighting in Live Fire Simulators (F-STEP)
- Fire Control 6 Wildland Firefighting Essentials (F-STEP)
- Firefighter Safety and Survival (CALFIRE)
- Firefighter Survival (F-STEP)
- Equal Employment Opportunity (CALFIRE)
- Firefighter Basic Training (CALFIRE)

Firefighter II

Students successfully completing the following course will be eligible for California State Fire Marshal Certification as a Firefighter II. The course includes basic manipulative skills and increasingly difficult tasks that must be demonstrated to state standards to qualify for certification. In addition, various parts of the course include technical classroom activities. Students completing the Firefighter II class will also receive a CSFM certificate in Rapid Intervention Crew Operations (RIC). Candidates wishing to enter the Firefighter II class must have successfully completed an accredited (CSFM) Firefighter I Academy. Prerequisite: Certified Firefighter I or completion of FIRE 0950.

Requirements for the Certificate

- FIRE 9181 – Firefighter II (3.5)

Total Certificate Units: 3.5

Fire Officer

Students successfully completing the following course work will be eligible for California State Fire Marshal Certification as a Fire Officer:

Requirements for the Certificate

- FIRE 9501 – I-300 Incident Command (1)
- FIRE 9509 – Fire Prevention 1 (1)
- FIRE 9513 – Fire Management 1 (2)
- FIRE 9516 – Fire Command 1A (1)
- FIRE 9517 – Fire Command 1B (1)
- FIRE 9518 – Fire Command 1C (1)
- FIRE 9519 – Fire Investigation 1A (2)
- FIRE 9521 – Training Instructor 1A (1)
- FIRE 9522 – Training Instructor 1B (1)

Total Certificate Units: 11

Volunteer Firefighter

Students successfully completing the following course work are eligible for California State Fire Marshal Certification as a Firefighter I and will satisfy the requirements for OSHA:

Requirements for the Certificate

- EMS 9065 – First Responder Medical (2)
- FIRE 9101 – Volunteer Firefighter Certification 1 (2)
- FIRE 9102 – Volunteer Firefighter Certification 2 (2)
- FIRE 9103 – Volunteer Firefighter Certification 3 (1.5)
- FIRE 9104 – Volunteer Firefighter Certification 4 (0.5)
- FIRE 9105 – Volunteer Firefighter Certification 5 (1.5)
- FIRE 9106 – Volunteer Firefighter Certification 6 (0.5)
- FIRE 9011 – Confined Space Awareness (0.5)
- FIRE 9124 – Hazardous Material First Responder Operational (1.5)
- FIRE 9500 – I-200 Incident Command (1)

Total Certificate Units: 13
## Wildland Firefighter Basic Training Certificate

The courses in this certificate will prepare students for entry-level seasonal employment with CAL FIRE and the USFS. Students will receive a total of 118 hours of instruction, including First Responder Medical, Haz Mat, and Basic Firefighting.

### Requirements for the Certificate
- EMS 9065 – First Responder Medical (2)
- FIRE 9122 – Hazardous Materials First Responder Operational (1)
- FIRE 9167 – CALFIRE Basic Firefighter (3.5)

**Total Certificate Units: 6.5**

## Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE 0950</td>
<td>FIRE FIGHTER I ACADEMY</td>
<td>20</td>
<td>160-180</td>
<td>480-540</td>
</tr>
</tbody>
</table>

**Graded**

**Prerequisite:** Pass physical agility test or hold a current CPAT Card and EMS 1001 or EMS 9065

This is the basic Firefighter 1 Academy course. Students successfully completing the class will be eligible for California State Fire Marshal Certification as a Firefighter 1 and will be qualified for entry-level firefighter positions in federal, state, county, and municipal fire departments. (AA)

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<tbody>
<tr>
<td>FIRE 1001</td>
<td>FIRE PROTECTION ORGANIZATION</td>
<td>3</td>
<td>48-54</td>
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</tbody>
</table>

**Graded**

This course provides an introduction to fire protection, strategy and tactics: fire protection systems; specific fire protection functions; philosophy and history of fire protection; fire loss analysis; basic fire chemistry and physics; career opportunities in fire protection and related fields; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature. This course is certified by the State Chancellor and the California State Fire Marshal's Office. (AA, CSU)

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<tr>
<td>FIRE 1002</td>
<td>FIRE PREVENTION TECHNOLOGY</td>
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**Graded**

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire protection systems, fire investigation, and fire and life-safety education. This course is certified by the State Chancellor and the California State Fire Marshals Office. (AA, CSU)

<table>
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<tbody>
<tr>
<td>FIRE 1003</td>
<td>FIRE PROTECTION EQUIPMENT AND SYSTEMS</td>
<td>3</td>
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**Graded**

This course provides information relating to the features of design and operation of fire detection and alarm systems, water-based fire suppression systems, special hazard fire suppression systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers. This course is certified by the State Chancellor and the California State Fire Marshal's Office. (AA, CSU)

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<tbody>
<tr>
<td>FIRE 1004</td>
<td>BUILDING CONSTRUCTION FOR FIRE PROTECTION</td>
<td>3</td>
<td>48-54</td>
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</table>

**Graded**

This course is the study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. This course is certified by the State Chancellor and the California State Fire Marshals Office. (AA, CSU)

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<tr>
<td>FIRE 1005</td>
<td>FIRE BEHAVIOR AND COMBUSTION</td>
<td>3</td>
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</tbody>
</table>

**Graded**

Theory and fundamentals of how and why fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. This course is certified by the State Chancellor and the California State Fire Marshal's Office. (AA, CSU)

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<tr>
<td>FIRE 1006</td>
<td>FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL</td>
<td>3</td>
<td>48-54</td>
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</table>

**Graded**

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. This course is certified by the State Chancellor and the California State Fire Marshal's Office. (AA, CSU)

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<tr>
<td>FIRE 2949</td>
<td>WORK EXPERIENCE</td>
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<td>30-600</td>
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</table>

**Graded**

Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA, CSU)
FIRE 9001
FIRE CONTROL 1: BASIC FIRE CHEMISTRY
1 unit, 16-18 lecture hours
Pass/No Pass
This course is a basic overview of fire chemistry and fire behavior designed for the beginning or a volunteer firefighter. Includes classes of fire, fundamentals of heat transfer, fire characteristics of materials, products of combustion, hazardous and explosive materials, extinguishing agents, size-up, and exposure protection. FSTEP Certified. (NDA)

FIRE 9002
FIRE CONTROL 2
0.5 units, 8-9 lecture hours / 8-9 lab hours
Pass/No Pass
A hands-on course designed to provide the student with information, methods, and techniques for operating basic fire fighting tools and carrying out basic fire fighting evolutions. Areas covered include: Hose, nozzles, and fittings; ground ladders; self-contained breathing apparatus; pump operations in theory; pump operations in the field; and the use of fire extinguishers. F-STEP Certified. (NDA)

FIRE 9003
FIRE CONTROL 3
0.5 units, 8-9 lecture hours / 8-9 lab hours
Pass/No Pass
This course provides a basic overview of fire chemistry and fire behavior, and provides students with information, methods, and techniques for operating basic fire fighting tools. Utilizing structural, open land, and oil fires, students will be given hands on experience in basic fire control. The 18-hour course meets the requirements for F-STEP certification in Fire Control 3. (NDA)

FIRE 9011
CONFINED SPACE AWARENESS
0.5 units, 8-9 lecture hours
Pass/No Pass
This course is designed for Rescue/Fire personnel or private company employees for work in, and rescue from, confined spaces. Topics include new equipment, air monitoring equipment, ventilation equipment, tripod operation with belay systems, lowering systems, safety considerations, and OSHA regulations. This course meets OSHA requirements for training for confined space entry operations and rescue. F-STEP Certified. (NDA)

FIRE 9012
CONFINED SPACE RESCUE TECHNICIAN
1 unit, 4-4.5 lecture hours / 36-40.5 lab hours
Pass/No Pass
Prerequisite: FIRE 9011
This course is an intensive hands-on training program that will prepare the student to respond to confined space emergencies. The course of instruction will prepare the student in identifying confined spaces and permit required confined spaces, the hazards associated with permit required confined spaces, target industries and hazards, state and federal regulations, components of a rescue operation, and the roles and responsibilities of the rescue team. This course meets CSFM certification requirements. (NDA)

FIRE 9013
LOW-ANGLE ROPE RESCUE OPERATIONAL
0.5 units, 24-27 lab hours
Pass/No Pass
This course is designed to equip the student with the techniques and methods for using rope, webbing, hardware friction devices, and litters in low angle rescue situations. Areas covered include rope and related equipment, anchor systems, safety lines, stretcher lashing and rigging, mechanical advantage systems, and single-line and two-line rescue systems. (NDA)

FIRE 9016
FLASHOVER RECOGNITION AND SURVIVAL
0.5 units, 8-9 lecture hours
Pass/No Pass
This course is designed to provide the fire service with a safe and secure system of flashover training. Topics include recognition of the signs of flashover, techniques to possibly give firefighters time to escape a flashover and skills to save firefighters from injury or death from a flashover fire. (NDA)

FIRE 9020
SWIFTWATER RESCUE AWARENESS
0.5 units, 8-9 lecture hours
Pass/No Pass
This course is designed to give emergency services personnel an overview of the inherent problems related to rescuers in moving water and during floods. Rescue 3 International Certification. (NDA)

FIRE 9021
OPERATIONAL: SWIFT WATER FIRST RESPONDER
0.5 units, 8-9 lecture hours / 8-9 lab hours
Pass/No Pass
This course is designed to provide an overview at the operational level for emergency response to swiftwater and flood-level situations. Topics include hydrology, swiftwater hazards, and rescue options. Rescue 3 International Certification. (NDA)

FIRE 9022
SWIFTWATER RESCUE TECHNICIAN I
0.5 units, 26.7-30.1 lab hours
Pass/No Pass
This course is designed to provide the minimum training recommended for those who work alongside, in, or on moving water. The classroom session provides detailed knowledge of hydrology and hazards associated with moving water. The field portion is spent in moving water learning skills including shallow water crossings, self-rescue and effective techniques for the rescue of others. Qualifies personnel to work in the "hot zone" in or on moving water. NFPA 1670 Operations Level. (NDA)
FIRE 9032
NOLS WMI WILDERNESS FIRST RESPONDER
3 units, 40-45 lecture hours / 32-36 lab hours
Pass/No Pass
This is a nationally recognized program that trains participants to respond to emergencies in remote settings. It includes standards for urban and extended care situations. Special wilderness topics include but are not limited to: wound management and infection, managing fractures and dislocations, improvised splinting, selective spine immobilization, patient monitoring and long term management problems, and up-to-date information on all environmental emergencies. Emphasis is placed on treatment principles and decision-making. (NDA)

FIRE 9036
NOLS WMI WILDERNESS UPGRADE FOR MEDICAL PROFESSIONALS
1 unit, 8-9 lecture hours / 32-36 lab hours
Pass/No Pass
This course will upgrade EMTs to WEMT and all others to First Responders in accordance with current wilderness medicine standards. The five-day course is ideal for EMTs, nurses, physicians, and other medical professionals, and is in accordance with policies of the Accreditation Council for Continuing Medical Education through joint sponsorship of the Wilderness Medical Society and WMI of NOLS. The Wilderness Society is accredited by the ACCME to provide continuing medical education for physicians. (NDA)

FIRE 9088
SEASONAL FIRE FIGHTER REFRESHER
2 units, 112-126 lab hours
Pass/No Pass
This is a comprehensive review of basic firefighter skills and knowledge to enable the student to resume the duties of a seasonal firefighter. Topics will include but are not limited to hose lays, chainsaws, Haz Mat, EMS, and initial attack. This course may be repeated according to State mandate regarding professional continued training. (NDA)

FIRE 9101
VOLUNTEER FIRE FIGHTER CERTIFICATION 1
2 units, 38.4-43.2 lecture hours / 4-4.5 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes lecture and basic manipulative skills with increasingly difficult tasks that must be demonstrated to State standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is the first of six classes in the Volunteer Fire Fighter Certification series. (NDA)

FIRE 9102
VOLUNTEER FIRE FIGHTER CERTIFICATION 2
2 units, 35.2-39.6 lecture hours / 10.4-11.7 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes lecture and basic manipulative skills with increasingly difficult tasks that must be demonstrated to State standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is the second of six classes in the Volunteer Fire Fighter Certification series. (NDA)

FIRE 9103
VOLUNTEER FIRE FIGHTER CERTIFICATION 3
1.5 units, 20-28 lecture hours / 22.5-31.5 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes lecture and increasingly difficult tasks that must be demonstrated to State standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is the second of six classes in the Volunteer Fire Fighter Certification series. (NDA)

FIRE 9104
VOLUNTEER FIRE FIGHTER CERTIFICATION 4
2 units, 28-31.5 lecture hours / 14.4-16.2 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes basic manipulative skills and increasingly difficult tasks that must be demonstrated to state standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is Module IV of the nine module series. This course may be taken for credit a total of four times except when needed to meet legally mandated training requirements. (NDA)

FIRE 9105
VOLUNTEER FIRE FIGHTER CERTIFICATION 5
1.5 units, 24-27 lecture hours / 12-13.5 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes lecture and basic manipulative skills with increasingly difficult tasks that must be demonstrated to State standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is the fifth of six classes in the Volunteer Fire Fighter Certification series. (NDA)

FIRE 9106
VOLUNTEER FIRE FIGHTER CERTIFICATION 6
0.5 units, 14 lecture hours / 14 lab hours
Pass/No Pass
This course is designed for the volunteer fire fighter to prepare for California State Certification as a Fire Fighter I. It includes basic manipulative skills and increasingly difficult tasks that must be
demonstrated to State standards to qualify for certification. In addition, various parts of the course include technical classroom activities. This is Module VI of a nine module series. This course may be taken for credit a total of four times except when needed to meet legally mandated training requirements. (NDA)

FIRE 9122
HAZARDOUS MATERIALS FIRST RESPONDER
"OPERATIONAL"
1 unit, 23 lecture hours / 4 lab hours
Pass/No Pass

This course is designed for students who are likely first responders to Hazardous Materials events. Within the operational role, course topics include risks and outcomes of hazardous materials, operational roles, safety procedures, stabilization of the scene, decontamination of victims and equipment, and communication and coordination with agencies. This course is certified by the California State Training Institute and students successfully completing the class will be issued a CSTI certificate. (NDA)

FIRE 9123
HAZARDOUS MATERIALS FIRST RESPONDER
"OPERATIONAL" REFRESHER
0.5 units, 8-9 lecture hours
Pass/No Pass
Prerequisite: FIRE 9122

This course is designed to refresh students who are likely first responders to Hazardous Materials events. Within the operational role, course topics include risks and outcomes of hazardous materials, operational roles, safety procedures, stabilization of the scene, decontamination of victims and equipment, and communication and coordination with agencies. This course is certified by the California State Training Institute and students successfully completing the class will be issued a CSTI certificate. This course may be taken for credit a total of 4 times except when needed to meet legally mandated training requirements. (NDA)

FIRE 9124
HAZARDOUS MATERIALS FIRST RESPONDER
DECONTAMINATION
0.5 units, 4.5 lecture hours / 4.5 lab hours
Pass/No Pass
Prerequisite: FIRE 9122

This course is designed to train firefighters in decontamination procedures during hazardous materials events. May be taken for credit a total of four times. (NDA)

FIRE 9125
LEVEL I AVALANCHE
0.5 units, 8-9 lecture hours / 16-18 lab hours
Pass/No Pass

This course is designed to give people that are traveling in the winter backcountry basic information about weather, snowpack, and terrain factors which contribute to avalanche hazard. This course is for ski patrollers, search and rescue personnel, and anyone that wants to travel in a winter mountain environment. (NDA)

FIRE 9126
LEVEL II AVALANCHE
0.5 units, 4-9 lecture hours / 20-24 lab hours
Pass/No Pass
Prerequisite: FIRE 9125

This course is the natural progression from a Level I course and is designed to give people that are traveling in the winter backcountry more in-depth information about weather, snowpack, and terrain factors which contribute to avalanche hazard. This course is for ski patrollers, search and rescue personnel, and anyone that wants to travel in a winter mountain environment. (NDA)

FIRE 9130
S-130 FIREFIGHTER TRAINING
1 unit, 16-18 lecture hours / 16-18 lab hours
Pass/No Pass

This course is designed to train new firefighters in basic Wildland firefighting skills. (NDA)

FIRE 9166
NFPA VOLUNTEER FIREFIGHTER CERTIFICATION
1.5 units, 72–95 lab hours
Pass/No Pass

This course is designed to give the volunteer fire fighter the knowledge and skills to enable him/her to be a proficient and safe fire technician. This course includes instruction in fire behavior, use of safety gear, use and maintenance of tools and equipment, principles and methods of fire attack, suppression, mop-up, post-fire rehab, and survival techniques. (NDA)

FIRE 9167
CALFIRE BASIC FIREFIGHTER
3.5 units, 48–54 lecture hours / 32–36 lab hours
Pass/No Pass

This course provides the Basic 80-hour wildland firefighter training required for employment with the California Department of Forestry and Fire Protection and the US Forest Service. (NDA)

FIRE 9169
TECHNICAL FIRE TRAINING
0.5–2 units, 24–108 lab hours
Pass/No Pass

This course provides skills and procedural updates relative to emergency response that are not specifically covered in comprehensive fire technology classes. The course is designed for students and career and volunteer firefighters to maintain currency with professional standards. (NDA)
FIRE 9179
FIRE SCIENCE TOPICS
0.5-3 units, 9-54 lecture hours
Pass/No Pass
This course provides legal and procedural updates, relative to emergency response, that are not specifically covered in comprehensive fire technology classes. The course is designed for students, career, and volunteer firefighters to maintain currency with professional standards. This course may be repeated as needed to meet legally mandated training requirements. (NDA)

FIRE 9181
FIRE FIGHTER II
3.5 units, 48-54 lecture hours / 32-36 lab hours
Pass/No Pass
Prerequisite: FIRE 0950 or a CSFM Firefighter I certificate
Preparation for California State Certification as a Fire Fighter II. Includes basic manipulative skills and increasingly difficult tasks that must be demonstrated to state standards to qualify for certification. In addition, various parts of the course include technical classroom activities. Students successfully completing the class will be eligible for California State Fire Marshal Certification once they complete the required work experience hours. Students will also receive certification for Low Angle Rope Rescue Operational. (NDA)

FIRE 9182
AUTO EXTRICATION
0.5 units, 8-9 lecture hours / 8-9 lab hours
Pass/No Pass
This course provides students with hands-on experience in extricating victims trapped in automobiles. The course covers auto extrication size-up, types of incidents, safety precautions, incident command for auto extrication, types and use of power and hydraulic tools, stabilization of vehicle, and simulated rescues of trapped victims. This course is especially designed for the volunteer fire fighter and is accredited by the California State Fire Service Training and Education Program for an F-STEP certificate of completion. (NDA)

FIRE 9190
S-190 INTRODUCTION TO WILDLAND FIRE BEHAVIOR
0.5 units, 8-9 lecture hours
Pass/No Pass
This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. It is designed to meet the fire behavior training needs of a firefighter type 2 (FFT2). NWCG certified. (NDA)

FIRE 9200
S-200 INITIAL ATTACK INCIDENT COMMANDER
1 unit, 16-18 lecture hours
Pass/No Pass
Advisory: FIRE 9230, FIRE 9290, and FIRE 9500
This course defines the responsibilities of the individual in charge of the initial attack management of small, low complexity fires that are routinely suppressed by local initial attack forces. National Wildfire Coordinating Group (NWCG) certified. (NDA)

FIRE 9211
FI-210 WILDLAND FIRE ORIGIN AND CAUSE DETERMINATION
1.5 units, 24-27 lecture hours / 8-9 lab hours
Pass/No Pass
This course is designed to provide a consistent knowledge and skill base for the Wildland Fire Origin and Cause Determination Investigator (INVF). The concepts taught in this course will help an INVF perform at an acceptable level on a national basis without regard to geographic boundaries. NWCG certified. (NDA)

FIRE 9212
S-212 WILDLAND FIRE CHAIN SAWS
1 unit, 16-18 lecture hours / 16-18 lab hours
Pass/No Pass
This course provides an introduction to the function, maintenance and use of chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters in operating a chain saw by providing hands-on cutting experience in surroundings similar to fireline situations. NWCG Certified. (NDA)

FIRE 9215
S-215 FIRE OPERATION IN THE URBAN INTERFACE
1 unit, 16-18 lecture hours / 16-18 lab hours
Pass/No Pass
Prerequisite: FIRE 9230 and FIRE 9290
This course will provide the student with the skills necessary to conduct fire suppression operations in and around areas where the wildland and urban areas interface. National Wildfire Coordinating Group (NWCG) certified. (NDA)

FIRE 9230
S-230 SINGLE RESOURCE BOSS
1 unit, 16-18 lecture hours / 6 lab hours
Pass/No Pass
Prerequisite: FIRE 9290 and FIRE 9500
This course is designed to produce student proficiency in the performance of duties associated with the single resource boss position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post incident responsibilities. NWCG certified. (NDA)

FIRE 9231
S-231 ENGINE BOSS
0.5 units, 7-8 lecture hours / 5-8 lab hours
Pass/No Pass
Prerequisite: FIRE 9290 and FIRE 9230
Engine Boss is a course designed to meet the training needs of an incident Engine Boss. This course is NWCG certified. (NDA)
FIRE 9232  
S-232 DOZER BOSS  
0.5 units, 8-10 lecture hours / 10-14 lab hours  
Pass/No Pass  
Advisory: FIRE 9290, FIRE 9230, and FIRE 9500  
This is a skill course is designed to meet the training needs of a Dozer Boss on an incident as outlined the PMS 310-1 and the Position Task Book developed for the position. Primary considerations are tactical use and safety precautions required to establish and maintain an effective dozer operation. A field exercise is required as part of the course. NWCG certified. (NDA)  

FIRE 9290  
S-290 INTERMEDIATE WILDLAND FIRE BEHAVIOR  
0.5 units, 32-36 lab hours  
Pass/No Pass  
Advisory: FIRE 9190  
This course is designed to meet training requirements to work in the operations section of the Incident Command System (ICS) and will give the prospective fireline supervisor the skills needed in wildland fire behavior for effective and safe fire management operations. National Wildfire Coordinating Group (NWCG) certified. (NDA)  

FIRE 9390  
S-390 INTRODUCTION TO WILDLAND FIRE BEHAVIOR CALCULATIONS  
0.5 units, 32-36 lab hours  
Pass/No Pass  
Advisory: FIRE 9290  
This course is designed to develop knowledge and skills required for safe and effective wildland fire behavior prediction. This course introduces fire behavior calculations by manual methods using nomograms and Appendix B of the Fireline Handbook. The student gains an understanding of the determinants of fire behavior through studying input and interpreting fire behavior output. Local and regional environmental differences are stressed. NWCG certified. (NDA)  

FIRE 9500  
I-200 BASIC INCIDENT COMMAND SYSTEM  
0.5 units, 4-4.5 lecture hours / 12-13.5 lab hours  
Pass/No Pass  
This course introduces the students to the principles of the Incident Command System (ICS) associated with incident-related performance. Topics include: Leadership and management, delegation of authority and management by objectives, functional areas and positions, briefings, organizational flexibility, transitions and transfers. (NDA)  

FIRE 9501  
I-300 INCIDENT COMMAND SYSTEM  
1.5 units, 24-27 lecture hours  
Pass/No Pass  
Prerequisite: FIRE 9500  
This course is a continuation of the Incident Command series and covers Modules 7 through 11; Intermediate Incident Command System. The components of the Incident Command System covered in this course include organization and staffing, organizing for incidents or events, incident resources management, air operations, and incident and event planning. (NDA)  

FIRE 9502  
I-400 ADVANCED INCIDENT COMMAND SYSTEM  
0.5 units, 6-10 lecture hours / 10-14 lab hours  
Pass/No Pass  
Prerequisite: FIRE 9501  
This course is designed to enable personnel to operate efficiently in the advanced application of the Incident Command System (ICS). Training is provided for senior personnel who are expected to perform in a management capacity in a complex incident environment. The course emphasizes Command and General Staff, major and/or complex incident/event level management, area command, and multi-agency coordination. National Wildfire Coordinating Group (NWCG) certified. (NDA)  

FIRE 9509  
FIRE PREVENTION I  
1 unit, 8-9 lecture hours / 24-27 lab hours  
Pass/No Pass  
This course will equip the student with the knowledge and skills related to the Company Officer’s role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection. (NDA)  

FIRE 9513  
FIRE MANAGEMENT I  
2 units, 40 lecture hours  
Pass/No Pass  
This course is designed to prepare or enhance the basic skills needed to effectively function as a supervisor. Key management concepts and practices utilized in the California Fire Service will be introduced. Topics included are decision making, time management, leadership styles, personnel evaluations, and counseling guidelines. This course applies to Fire Officer certification and is first in the five part Fire Management series. CSFM Certified. (NDA)  

FIRE 9514  
DRIVER OPERATOR 1A  
1 unit, 20 lecture hours / 20 lab hours  
Pass/No Pass  
This comprehensive 40-hour course in fire engine driving operations will cover the skills and knowledge necessary for safe effective operation of fire apparatus. Topics will include: responding to the emergency scene, emergency response in congested traffic, driving in adverse weather, and considerations which determine fire engine placement at the emergency scene. CSFM Certified. (NDA)
FIRE 9515
DRIVER OPERATOR 1B
1 unit, 20 lecture hours / 20 lab hours
Pass/No Pass
This is a comprehensive 40 hour course in Fire Engine Pump Operations. The student will learn basic hydraulics, pumping from a hydrant, pumping from a draft, and how to use portable and auxiliary sources of water. CSFM Certified. (NDA)

FIRE 9516
COMMAND 1A
1 unit, 20 lecture hours / 20 lab hours
Pass/No Pass
Advisory: FIRE 9500 and FIRE 9509
This course includes minimum standards for the fire officer, fire behavior, fire-ground resources, operations, and management with emphasis on initial decision and action processes. CSFM Certified. (NDA)

FIRE 9517
COMMAND 1B
1 unit, 20 lecture hours / 20 lab hours
Pass/No Pass
Prerequisite: FIRE 9516
This course addresses decision making under emergency conditions for the first-in company officer and provides the knowledge for response to a variety of suppression situations. Emphasis will be placed on the skills and knowledge for fire fighters and driver/operators who desire promotion to the rank of company officer; for company officers to remain versed in essential and innovative management, leadership, and human relations methods; and for training officers responsible for teaching and developing officers and officer candidates. CSFM Certified. (NDA)

FIRE 9518
COMMAND 1C
1 unit, 20 lecture hours / 10 lab hours
Pass/No Pass
Prerequisite: FIRE 9290 and FIRE 9516
The purpose of the Fire Command 1C, I-Zone Fire Fighting for Company Officers, is to bring the company officer out of the city and into the urban/interface. (NDA)

FIRE 9519
FIRE INVESTIGATION 1A
1 unit, 8-9 lecture hours / 32-36 lab hours
Pass/No Pass
This course provides the participants with an introduction and basic overview of fire scene investigation. The focus of this course is to provide information on fire scene indicators and to determine the fire’s origin. CSFM Certified. (NDA)

FIRE 9520
FIRE INVESTIGATION 1B
1 unit, 20 lecture hours / 20 lab hours
Pass/No Pass
Prerequisite: FIRE 9519
This course focuses on evidence collection, preservation, witness interviewing, interrogation, and other legal parameters. Topics of discussion include: motives of arson, report writing, photography, sketching, and criminal law. This course is CFSTES approved for certification by the CSFM. (NDA)

FIRE 9521
TRAINING INSTRUCTOR 1A: COGNITIVE LESSON DELIVERY
1.5 units, 24-27 lecture hours / 16-18 lab hours
Pass/No Pass
This is the first of a three-course series. Topics include: Methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching cognitive lessons; criteria and methods to evaluate teaching and learning efficiency; and an opportunity to apply major principles of learning through teaching demonstrations. Activities include student teaching demonstrations. CSFM Certified. (NDA)

FIRE 9522
TRAINING INSTRUCTOR 1B: PSYCHOMOTOR LESSON DELIVERY
1.5 units, 24-27 lecture hours / 16-18 lab hours
Pass/No Pass
Prerequisite: FIRE 9521
This is the second of a three-course series. Topics include: Methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching psychomotor lessons; criteria and methods to evaluate teaching and learning efficiency; and an opportunity to apply major principles of learning through teaching demonstrations. CSFM Certified. (NDA)

FIRE 9523
TRAINING INSTRUCTOR 1C: INSTRUCTIONAL DEVELOPMENT TECHNIQUES
1 unit, 8-9 lecture hours / 28-31.5 lab hours
Pass/No Pass
Prerequisite: FIRE 9522
This is the third of a three-course series. Topics include: Methods and techniques for developing lesson plans, ancillary components, and tests in accordance with the latest concepts in career education. The course offers the opportunity to develop lesson plans, receive feedback, finalize instructional materials, and deliver a teaching demonstration. Activities include student teaching demonstrations. (NDA)
Geography

Courses

GEOG 1110
PHYSICAL GEOGRAPHY
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Physical Geography introduces the techniques used to locate features on Earth's surface and then draws on these techniques to explore how the planet's atmosphere, hydrosphere and lithosphere interact with one another, with solar and geothermal energy, and with human influences to shape the distributions of climates, landforms, soils and life across the globe. (AA, CSU, UC)

Geology

Courses

GEOL 0800
GEOLOGY OF MOUNT SHASTA
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of Mount Shasta introduces the tectonic setting, eruptive history and potential hazards of Mount Shasta during two evening sessions and a Saturday field trip. The field trip will give students opportunities to explore volcanic and glacial features on the flanks of this massive stratovolcano which studies indicate has produced at least three major eruptions during the past 10,000 years. (NDA)

GEOL 0810
GEOLOGY OF MEDICINE LAKE VOLCANO
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of the Medicine Lake Volcano introduces the tectonic setting, eruptive history and potential hazards of the Medicine Lake volcano during two evening sessions and a Saturday field trip. The field trip will give students opportunities to explore volcanic features in the summit caldera and on the flanks of this compositionally diverse back-arc volcano which last erupted only 900 years ago. (NDA)

GEOL 0820
GEOLOGY OF LASSEN NATIONAL PARK
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of Lassen National Park introduces the tectonic setting, eruptive history and potential hazards of the Lassen Volcanic Center during two evening sessions and a Saturday field trip. The field trip will give students opportunities to explore a variety of volcanic and glacial features in the western part of the Park and includes a hike to Bumpass Hell, the second largest geothermal area in North America. (NDA)

GEOL 0830
GEOLOGY OF CRATER LAKE
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of Crater Lake introduces the tectonic setting, eruptive history and potential hazards of Mount Mazama and the Crater Lake caldera during two evening sessions and a Saturday field trip. The field trip will give students opportunities to explore a variety of volcanic and glacial features around the margin of the caldera as well as visit one of the world's most spectacular lakes. (NDA)

GEOL 0840
GEOLOGY OF THE EASTERN KLAMATH
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of the Eastern Klamath introduces the geologic structure, history and mineral resources of the Eastern Klamath Mountains during two evening sessions and a Saturday field trip. The field trip will give students opportunities to visit features ranging from the ancient Trinity ophiolite to the recent tailings produced by gold dredging along the Scott River. (NDA)

GEOL 0850
GEOLOGY OF LAVA BEDS NATIONAL MONUMENT
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of Lava Beds National Monument introduces the monument's geologic setting, its tectonic and volcanic history, and its potential geologic hazards during two evening sessions and a Saturday field trip. The field trip will give students opportunities to explore young volcanic flows and craters, climb a cinder cone and descend to the icy floor a great lava tube. (NDA)

GEOL 0860
GEOLOGY OF THE SACRAMENTO RIVER CANYON
0.5 units, 6 lecture hours / 10 lab hours
Pass/No Pass

Geology of the Sacramento River Canyon introduces the canyon's geologic history, resources and potential hazards during two evening sessions and a Saturday field trip. The field trip will afford opportunities for students to visit many of the major geologic features exposed in the canyon, from the imposing Castle Crags granite to one of the spectacular caverns in the McCloud Limestone. (NDA)
GEOL 1110
ENVIRONMENTAL GEOLOGY
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Environmental Geology introduces fundamental environmental and geologic principles and uses these concepts to study humanity’s interactions with the Earth. The course explores the origins of geologic hazards—such as earthquakes and floods—as well as strategies for mitigating their effects; the formation of Earth’s resources and the limits their use place on humanity; and the environmental effects of pollution and land-use changes caused by human activities. (AA, CSU, UC)

GEOL 1120
GEOLOGY OF THE NATIONAL PARKS
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Geology of the National Parks introduces plate tectonics, geologic dating and the formation of earth materials and uses these concepts to study how processes operating at plate boundaries and hotspots have shaped national parklands. It also explores how park landscapes fit into the larger geologic framework of North America and what they tell us about the changing roles of tectonic and surface processes during the continent’s nearly four billion year history. (AA, CSU, UC)

GEOL 1130
GEOLOGY OF CALIFORNIA
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Geology of California introduces plate tectonics, geologic dating and the formation of earth materials and uses these concepts to explore how the state’s landscape has been shaped by different geologic processes as California’s tectonic setting has changed during the past two billion years. It also examines the roles that these various processes have played in producing California’s mineral resources and creating the geologic hazards that confront so many of the state’s citizens today. (AA, CSU, UC) (C-ID: GEOL 20X)

GEOL 1140
OCEANOGRAPHY
3 units, 48-54 lecture hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Oceanography introduces the major physical and biological features of Earth’s oceans and examines how they are connected. It explores the geologic processes that shape the ocean basins, the forces that move seawater and influence the planet’s climate and coastlines, and the changing physical conditions and selective pressures—including those caused by human activities—that affect the nature and distribution of marine life. (AA, CSU, UC)

GEOL 1210
PHYSICAL GEOLOGY/LAB
4 units, 48-54 lecture hours / 48-54 lab hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Physical Geology explores the processes that are shaping Earth today. It examines the formation of rocks and mineral resources, the volcanic and tectonic activity that accompany release of Earth’s internal heat, and the sculpting of the planet’s surface that occurs as air, water and ice move in response to gravity and energy from the Sun. Lab activities include identification of rocks and minerals, interpretation of topographic and geologic maps, and field studies of regional geologic features. (AA, CSU, UC) (C-ID: GEOL 101)

GEOL 1220
HISTORICAL GEOLOGY/LAB
4 units, 48-54 lecture hours / 48-54 lab hours
Graded
Prerequisite: ENGL 1001 and either MATH 0850 or qualification through assessment or MATH 0851 or qualification through assessment

Historical Geology explores how Earth and the life it supports have changed through time. Geologic principles are used to reconstruct the planet’s origin and the events that have modified the physical environment, whereas fossils are used to trace the history of life and discover how natural selection and environmental change have shaped living communities. Lab exercises include the identification of rocks and fossils, map interpretation and field study of regional geologic history. (AA, CSU, UC) (C-ID: GEOL 111)

Note: College of the Siskiyous also offers several regional geology courses through COS Extension. Check Schedule of the Classes each semester for availability (under course prefix XNH). Contact Dr. Bill Hirt at 530.938.5255.
Guidance

Courses

GUID 1001
COLLEGIATE ORIENTATION
1 unit, 16-18 lecture hours
Graded

This course includes information specific to the College of the Siskiyous and how to successfully navigate the college system. Students will be required to analyze and evaluate the applicability of programs, services, and policies to their overall educational goals as well as their success at COS. This is highly recommended for all students who are enrolled at College of the Siskiyous for the first time. (AA, CSU, UC)

GUID 1002
CAREER AND LIFE PLANNING
2 units, 32-36 lecture hours
Graded
Advisory: ENGL 0900

This course is designed for students who are undecided about their major and for students who are making a vertical or lateral career change. Topics include an overview of life stages, personal and career assessment, values clarification to determine career compatibility, educational planning, job search skills, technological changes that will impact the world of work, and the creation of an employment portfolio. (AA, CSU)

GUID 1005
COLLEGE SUCCESS SKILLS
3 units, 48-54 lecture hours
Graded

College Success Skills is designed to help students develop values, attitudes, methods, and techniques to support their success in college. Emphasis is placed on learning study skills and college orientation. Also included is information about life skills, career search, communication, diversity issues, and health. This course is strongly advised for first time and returning college students. The UC accepts transfer credit for either GUID 1005 or MUS 1022, but not both. (AA, CSU, UC)

GUID 1006
LEARNING STRATEGIES
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900

Provides students with the necessary skills and strategies to benefit from the collegiate educational experience. Strategies and skills will include: Time management, learning to think critically, test taking, listening and note-taking skills. (AA, CSU)

Health

Courses

HEA 1009
HUMAN SEXUALITY
3 units, 48–54 lecture hours
Graded

This course is designed to give students a physiological and psychological understanding of human sexuality. (AA, CSU, UC)

HEA 1010
HEALTH IN ACTION
3 units, 48–54 lecture hours
Graded

This course covers personal and community health problems including mental health, drugs and alcohol, tobacco use, nutrition, fitness and wellness, sex education, diseases, cardiovascular health, personal safety, aging, and environmental awareness. (AA, CSU, UC)

HEA 1018
SEXUAL HEALTH AWARENESS
1 unit, 16–18 lecture hours
Graded

This course offers an overview of the physiological, emotional and social aspects of AIDS. Topics include the biological principles and film & culture, relating to HIV/AIDS, as well as personal values as they relate to the high-risk behaviors associated with this disease. Focus of class is on prevention and treatment as well as compassion and understanding toward those affected by this disease. Also discussed Sexually Transmitted Diseases, safer sex; choices & options, and developing effective communication and refusal skills for the purpose of prevention. (AA, CSU)
### Program Learning Outcomes

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

- Transfer successfully to a four-year institution with a history program.
- Demonstrate critical thinking and analysis in writing.
- Find links between the past and the present and demonstrate the ability to apply historical perspectives to contemporary issues.
- Demonstrate an understanding of social, political, cultural, and economic issues within historical context.

### Career Options

The following is a sample of the many career options available for the history major. Most require a bachelor's degree, and some require a graduate-level degree: research assistant, high school or college teacher, foreign service officer, state park historian or technician, writer, historian, travel journalist, archivist, research analyst, museum curator or director, lawyer, banker, market researcher, business person, public administrator, and historical society personnel.

### Degree/Certificate Options

#### Associate in Arts Degree

**History**

#### Requirements for the Major

**American Core:** Complete the following:
- HIST 1017 – US History to 1877 (3)
- HIST 1018 – US History since 1877 (3)
- POLS 1001 – Introduction to American Government (3)

**Western / World Core:** Complete two of the following:
- HIST 1004 – Western Civilizations to 1600 (3)
- HIST 1005 – Western Civilizations since 1600 (3)
- HIST 1009 – World Civilizations to 1450 (3)
- HIST 1010 – World Civilizations since 1450 (3)

**Major Electives:** Complete two of the following:
- ANTH 1070 – Indians of California (3)
- HIST 1004 – Western Civilizations to 1600 (3)
- HIST 1005 – Western Civilizations since 1600 (3)
- HIST 1006 – California History and Politics (3)
- HIST 1008 – History of Women in the U.S. (3)
- HIST 1009 – World Civilization to 1450 (3)
- HIST 1010 – World Civilizations since 1450 (3)
- HIST 1022 – Environmental History of North America (3)

### Courses

#### HIST 1004

**WESTERN CIVILIZATIONS TO 1600**

3 units, 48-54 lecture hours

Graded

**Advisory:** ENGL 1001

This introductory course focuses on the origins and development of western civilization from pre-historic times to the 17th century. (AA,CSU,UC) (C-ID: HIST 170)

#### HIST 1005

**WESTERN CIVILIZATIONS SINCE 1600**

3 units, 48-54 lecture hours

Graded

**Advisory:** ENGL 1001

This introductory course focuses on the origins and development of civilization in the western world from the 17th century to the present. Topics include European encounters with the new world, the scientific revolution, the age of enlightenment, the development of the state, the French and Industrial Revolutions, their impact on society, the rise of nationalism, the emergence of modern society, imperialism, World War I and II, the Cold War and contemporary Europe. (AA,CSU,UC) (C-ID: HIST 180)

#### HIST 1006

**CALIFORNIA HISTORY AND POLITICS**

3 units, 48-54 lecture hours

Graded

A study of the history and politics of California from its Spanish origins to modern day, including political, cultural, social, economic,
and geographical emphasis and research. Includes comparisons/contrasts of the California State institutions and ideals with the federal U.S. institutions and ideals. Satisfies all federal, state, and local government requirements for history, constitution, and human institutions. (AA,CSU,UC)

**HIST 1007**

**NATIVE AMERICAN HISTORY**

3 units, 48–54 lecture hours
Graded

A comprehensive history of the Native American. This course includes the study of the development of Native American culture, Native American-white relations, the disruption of the Native American way of life, wars, assimilation, and Native American culture in a Caucasian world. Particular emphasis will be placed on the social, political and cultural implications of settlement in the Northern California region. (AA,CSU,UC)

**HIST 1008**

**HISTORY OF WOMEN IN THE U.S.**

3 units, 48–54 lecture hours
Graded

Advisory: ENGL 1001, HIST 1017 and HIST 1018

History 1008 examines women’s diverse historical experiences in the United States from the pre-colonial era to the present. (AA, CSU, UC)

**HIST 1009**

**WORLD CIVILIZATIONS TO 1450**

3 units, 48–54 lecture hours
Graded

World Civilizations to 1450 will explore the history of world civilizations and the interactions of technology, culture, religion, warfare, environment and politics in world history. (AA, CSU, UC)

**HIST 1010**

**WORLD CIVILIZATIONS SINCE 1450**

3 units, 48–54 lecture hours
Graded

World Civilizations Since 1450 will explore the history of world civilizations since contact between Europe and the Americas. Students will be asked to explore the interactions of technology, culture, religion, warfare, environment and politics as they traverse the histories of various civilizations, including Asia, Africa, Europe, the Middle East and the Americas. Students will then be asked to place the histories of these civilizations into a global context. (AA, CSU, UC)

**HIST 1017**

**UNITED STATES HISTORY TO 1877**

3 units, 48–54 lecture hours
Graded

Advisory: ENGL 1001

A survey of American history from pre-contact North America to 1877. (AA, CSU, UC)

**HIST 1018**

**UNITED STATES HISTORY SINCE 1877**

3 units, 48–54 lecture hours
Graded

Advisory: ENGL 1001

Survey of American History from reconstruction to modern times. Development of the United States and its political, economic, social and cultural institutions. Examination of the growth of the U.S. and the institutions, individuals, and groups that contributed to it. (AA, CSU, UC)

**HIST 1022**

**ENVIRONMENTAL HISTORY OF NORTH AMERICA**

3 units, 48–54 lecture hours
Graded

An introductory course with an emphasis on the ways in which North American history interacted with, influenced and was influenced by the physical environment. Course topics may include, but are not limited to, the history of ecology; Native American ecology; agricultural history; human perceptions of nature; the environmental impact of industrialization; the preservation, conservation and environmental movements; the history of environmental policy; and environmental racism. (AA,CSU,UC)

**HIST 1042**

**HISTORY OF CHINA**

3 units, 48–54 lecture hours
Graded

An introductory history of China from its earliest beginnings to the present. An emphasis will be placed on the evaluation of primary and secondary material. Topics will include, but are not limited to: the Chinese dynastic system, Buddhism, Confucianism, Daoism, political culture, the evolution of Chinese social institutions, Chinese art and literature, interactions with East Asian civilizations, interactions with the West, the Opium War, the Taiping Rebellion, Self-Strengthening, Maoism, and contemporary political and social issues. No previous knowledge of China or East Asia is necessary. (AA,CSU,UC)

**HIST 1043**

**HISTORY OF LATIN AMERICA**

3 units, 48–54 lecture hours
Graded

A survey of Latin American civilizations from their earliest beginnings to the present. Students will explore the evolution of political, cultural, social and religious institutions in Latin America through primary and secondary sources. Topics will include, but are not limited to, Mayan, Incan and Aztec civilizations, Spanish colonization, slavery, and independence movements with an emphasis on Mexico, Bolivia, Argentina, and Brazil. Throughout the course students will be encouraged to place Latin America into global and comparative context as well as engage the history of Latin America on its own terms. (AA,CSU,UC)
HIST 1044
AFRICAN-AMERICAN HISTORY
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900 or qualification through assessment

History of African Americans in the United States from colonial times to the present. Emphasis upon the social, economic and political events that reflect the histories of African Americans. Additional investigations into the unique influences of African Americans and their contributions to the development of the United States as a Super Power in the 20th century. (AA, CSU, UC)

HIST 1046
EASTERN CIVILIZATION TO 1600
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001

A survey of East Asian civilizations from their earliest beginnings to 1600. Students will explore the evolution of political, cultural, social and religious institutions in China, Japan and Korea through primary and secondary sources. Topics will include, but are not limited to: Buddhism, Confucianism, Daoism, the Chinese dynastic system, the role of the Emperor, the Shogun and Samurai in Japan, and East Asian art and literature. Throughout the course students will be encouraged to place East Asia into a global and comparative context as well as engage the history of East Asian on its own terms. (AA, CSU, UC)

HIST 1047
EASTERN CIVILIZATION SINCE 1600
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001

A survey of East Asian civilizations from 1600 to the present.

HIST 1049
HISTORY OF THE MIDDLE EAST
3 units, 48–54 lecture hours
Graded

This introductory course focuses on the historical evolution of the Middle East since A.D. 622 to the present, emphasizing its religion, art, philosophy, culture, and its political, economic and social environments. Major topics will include early societies, the Rise of Islam, the Ottoman Empire, Imperialism, Colonialism and Nationalism, Revolutions, Western influences in the Middle East, Israeli-Arab conflicts, OPEC and the rise of fundamentalism. (AA, CSU, UC)

HIST 2929
SPECIAL STUDIES
1–2 units, 54–108 lab hours
Graded

This independent study course provides an opportunity for students to do guided reading on selected topics in history and produce a research project. May be taken for credit a total of four times. (AA, CSU)

Humanities

General Description
Humanities refer to a broad range of subjects including art, history, philosophy, music, theatre, literature, philosophy, ethics, and religion. A humanities student at the College of the Siskiyous studies the human experience in its broadest sense by working with a variety of disciplines in order to acquire a deeper understanding of themselves, civilization, and the world. The humanities curriculum academically prepares the student for transfer to a university to complete a baccalaureate degree in a related field. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program the student should be able to:
• Evaluate works of philosophical, historical, literary, aesthetic and cultural significance.
• Analyze the interrelationship between humanities and themselves.
• Critically evaluate various interpretations of works within the humanities.

Career Options
The following is a sample of the many career options available to humanities majors (some may require a B.A. or a graduate degree): Artist, Theatre, Composer, Educator, Journalism; Law, Politics, Public Relations, and Museum Curator.

Degree/Certificate Options
Associate in Arts Degree
Humanities

Requirements for the Major
Complete the following:
HUM 1001 – Introduction to Humanities (3)
PHIL 1001 – Introduction to Philosophy (3)
THEA 2000 – Introduction to Theatre (3)
Complete two of the following:
ART 1000 – Art History I (3)
ART 1001 – Art History II (3)
MUS 1031 – Music Appreciation (3)
MUS 1033 – Survey of Jazz and Popular Music (3)
Complete two of the following:

ENGL 2044 – American Literature I (3)
ENGL 2046 – British Literature I (3)
ENGL 2544 – American Literature II (3)
ENGL 2546 – British Literature II (3)

Total Major Units: 21

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Courses

HUM 1001
INTRODUCTION TO HUMANITIES
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0900 or qualification through assessment

A broad introduction to the major forms and types of artistic expression: sculpture, architecture, painting, philosophy, literature, drama, dance, film, and music. (AA, CSU, UC)

HUM 1005
HUMANITIES AND FILM
3 units, 48–54 lecture hours
Graded
Prerequisite: ENGL 0900 or qualification through assessment

An introduction to the study of film as an art form and medium of expression. The course will introduce the major elements of cinematic expression, film history, and film theory. Film criticism will be combined with analysis of historical, philosophical, political, personal, and/or artistic themes. (AA, CSU)

HUM 1010
HUMANITIES TRAVEL STUDY
1-6 units, 54–324 lab hours
Graded

Focused on a particular topic in the humanities, this course takes place as an extended travel to environs germane to the topic. Students will visit relevant museums and other sites of educational interest. Extra travel costs involved. This course can be taken for credit a total of four times. (AA,CSU)

Liberal Arts and Sciences with Areas of Emphasis

General Description

The Liberal Arts and Sciences degree prepares students for life in the global community by helping them develop a core of knowledge, skills, and attitudes essential for personal and professional success. The associate degree in Liberal Arts and Sciences is available in four areas of emphasis: Humanities, Multicultural Studies, Natural Science, and Social Science. Please refer to the following descriptions for the specifics of each area of emphasis. A total of 60 units are required for the degree. Students must complete COSGE pattern and a minimum of 18 units in the areas of emphasis. Consult with a counselor or advisor for course selections.

Associate in Arts Degree
Liberal Arts and Sciences with Area of Emphasis in Humanities

The Humanities Area of Emphasis is an interdisciplinary option for students who desire a broad study in the humanities disciplines that include Art, English, Humanities, Music, Languages, Philosophy, and Theatre. The Humanities Area of Emphasis may also help you prepare to transfer to a university. Courses completed to satisfy the Area of Emphasis requirements below may also count toward satisfying College of the Siskiyous and university transfer general education requirements. Consult with your advisor or counselor to develop an education plan that is appropriate for accomplishing your academic goals.

Program Learning Outcomes

Upon successful completion of the Area of Emphasis, the student should be able to:

- Demonstrate an awareness of the ways in which people through the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation.
- Demonstrate an understanding of the interrelationship between the creative arts, the humanities, and themselves.

- Demonstrate the ability to analyze and appreciate works of philosophical, historical, literary, aesthetic, and cultural importance.

Area of Emphasis Requirements

Complete a minimum of 18 semester units from the following courses. The 18 units must come from at least three disciplines.

Art

ART 1000 – Art History I (3)
ART 1001 – Art History II (3)
ART 1002 – Design I (3)
ART 1004 – Painting (3)
ART 1006 – Ceramics (3)
ART 1009 – Drawing (3)
ART 1010 – Sculpture (3)
ART 1011 – Photography (3)
ART 1013 – Printmaking (3)

Communication Studies

COMS 1500 – Oral Interpretations (3)

English

ENGL 1019 – Intro to Creative Writing (3)
ENGL 1033 – Introduction to Shakespeare (3)
Programs and Courses

ENGL 1501 – Advanced Composition-Literature (3)
ENGL 2036 – Children’s Literature (3)
ENGL 2042 – World Literature (3)
ENGL 2044 – American Literature I (3)
ENGL 2045 – African-American Literature (3)
ENGL 2046 – British Literature I (3)
ENGL 2544 – American Literature II (3)
ENGL 2546 – British Literature II (3)

Humanities
HUM 1001 – Introduction to Humanities (3)
HUM 1005 – Humanities and Film (3)

Languages
ASL 1020 – Beginning American Sign Language (3)
ASL 1521 – Intermediate American Sign Language (3)
SPAN 1010 – Elementary Spanish I (5)
SPAN 1520 – Elementary Spanish II (5)
SPAN 2010 – Intermediate Spanish I (5)
SPAN 2520 – Intermediate Spanish II (5)

Music
MUS 1004 – Fundamentals of Music (3)
MUS 1131 – Music Appreciation (3)
MUS 1633 – Survey of Jazz and Popular Music (3)

Philosophy
PHIL 1001 – Introduction to Philosophy (3)
PHIL 1003 – Ethics (3)
PHIL 1009 – Philosophy of Religion (3)
PHIL 1010 – Ancient and Medieval Philosophy (3)
PHIL 1011 – Modern and Contemporary Philosophy (3)
PHIL 1012 – Philosophy of Science and Religion (3)
PHIL 1014 – Philosophy of Love, Sex, and Marriage (3)
PHIL 1015 – Philosophies of Non-Violence (3)

Sociology
SOC 1031 – Women in Religion, Myth, & Spirit (3)

Theatre
THEA 1100 – Principles of Acting (3)
THEA 1600 – Stagcraft (3)
THEA 2000 – Introduction to Theatre (3)
THEA 2400 – Script Analysis (3)
THEA 2600 – Stage Lighting (3)

All courses must be completed with a C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Arts Degree
Liberal Arts and Sciences with Area of Emphasis in Multicultural Studies

The Multicultural Studies Area of Emphasis is an interdisciplinary option for students who desire a broad study in multicultural studies through courses from Early Childhood Education, English, Ethnic Studies, Geography, Music, Philosophy, Psychology, and Sociology. The Multicultural Studies Area of Emphasis courses may also help you prepare to transfer to a university. Courses completed to satisfy the Area of Emphasis requirements below will also count toward satisfying College of the Siskiyous and university transfer general education requirements. Consult with your advisor or counselor to develop an education plan that is appropriate for your academic goals.

Program Learning Outcomes
Upon successful completion of the Area of Emphasis, the student should be able to:
• Identify and explain diverse cultural customs, beliefs, traditions or lifestyles and contrast the experience of a historically under-represented group with that of the dominant culture.
• Demonstrate an understanding of personal, social, or historical biases and prejudices.

Area of Emphasis Requirements
Complete a minimum of 18 semester units from the following courses. The 18 units must come from at least three disciplines.

Alcohol and Drug / Human Services
ADHS 2526 – Understanding Disability (3)

Early Childhood Education
ECE 1502 – Serving Children and Families in a Multicultural Society (3)
ECE 2500 – Supporting Family Relationships and Parenting (3)

English
ENGL 1038 – Multicultural Communication (3)
ENGL 2042 – World Literature (3)
ENGL 2544 – American Literature II (3)

Environmental Resources – Sustainable Communities
ERSC 1001 – Introduction to Sustainable Communities (4)

Ethnic Studies
ETHN 1001 – Ethnic Studies (3)

Music
MUS 1234 – Diversity in American Music (3)
MUS 1633 – Survey of Jazz and Pop

Philosophy
PHIL 1020 – World Religions: Western Cultures (3)
PHIL 1021 – World Religions: Eastern Cultures (3)

Psychology
PSY 1004 – Psychology of Prejudice (3)

Sociology
SOC 1002 – Social Problems (3)
SOC 1035 – Introduction to Women’s Studies (3)

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Science Degree
Liberal Arts and Sciences with Area of Emphasis in Natural Science

The Natural Science Area of Emphasis is an interdisciplinary option for students who desire a broad study in the natural science disciplines that include Anthropology, Astronomy, Biology, Chemistry, Geology, Physical Science, and Physics. The Natural Science Area
of Emphasis may also help you prepare to transfer to a university. Courses completed to satisfy the Area of Emphasis requirements below may also count toward satisfying College of the Siskiyous and university transfer general education requirements. Consult with your advisor or counselor to develop an education plan that is appropriate for your academic goals.

**Program Learning Outcomes**
Upon successful completion of the Area of Emphasis, the student should be able to:

- Determine whether or not a question can be addressed by science and, if so, outline the steps a scientist would follow to develop and test a proposed explanation.
- Demonstrate basic knowledge of the discipline's major facts and concepts that shape humanity's understanding of the natural world.
- Demonstrate an ability to apply scientific principles to make informed decisions about matters of science and technology that are likely to confront an educated citizen.
- Correctly set-up, solve, and interpret the results of a variety of computational and non-computational problems relevant to the natural sciences by applying the language, critical thinking, and mathematical skills acquired in previous courses.

**Area of Emphasis Requirements**
Complete a minimum of 18 semester units from the following courses. The 18 units must come from at least three disciplines.

**Mathematics**
- MATH 1010 – Finite Mathematics (3)
- MATH 1050 – Elementary Statistics (5)
- MATH 1100 – College Algebra (4)
- MATH 1200 – Pre-Calculus (5)
- MATH 1400 – Calculus & Analytic Geometry I (5)
- MATH 1500 – Calculus & Analytic Geometry II (5)
- MATH 2400 – Calculus & Analytic Geometry III (5)
- MATH 2500 – Ordinary Differential Equations (3)
- MATH 2600 – Introduction to Linear Algebra (3)

**Physics**
- PHYS 1001 – Physics by Exploration (3)
- PHYS 1010 – Conceptual Physics (3)
- PHYS 1105 – General Physics I (4)
- PHYS 1110 – General Physics II (4)
- PHYS 2105 – Mechanical Physics, Oscillations and Waves (4)
- PHYS 2110 – Electrical Physics, Light (4)
- PHYS 2115 – Heat, Modern, & Quantum Physics (4)

All courses must be completed with a C or better.

In addition to the Area of Emphasis requirements, students need to complete general education requirements and electives to reach a minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Associate in Arts Degree**
Liberal Arts and Sciences with Area of Emphasis in Social Science

The Social Science Area of Emphasis is an interdisciplinary option for students who desire a broad study in the social science disciplines that include Administration of Justice, Anthropology, Early Childhood Education, Economics, History, Political Science, Psychology, and Sociology. The Social Science Area of Emphasis may also help you prepare to transfer to a university. Courses completed to satisfy the Area of Emphasis requirements below may also count toward satisfying College of the Siskiyous and university transfer general education requirements. Consult with your advisor or counselor to develop an education plan that is appropriate for your academic goals.

**Program Learning Outcomes**
Upon successful completion of the Area of Emphasis, the student should be able to:

- Understand the principles, perspectives and methods of inquiry used by the social and behavioral sciences.
- Critically explain how people act and have acted in response to their societies.
- Demonstrate an understanding of how societies and social subgroups operate.
- Demonstrate and understand social and behavioral sciences research methodology and effectively communicate research results and conclusions.

**Area of Emphasis Requirements**
Complete a minimum of 18 semester units from the following courses. The 18 units must come from at least three disciplines.
Programs and Courses

Alcohol and Drug / Human Services
ADHS 2526 – Understanding Disability (3)

Administration of Justice
ADJ 1001 – Introduction to Administration of Justice (3)
ADJ 1517 – Community Relations (3)

Anthropology
ANTH 1010 – Introduction to Cultural Anthropology (3)
ANTH 1050 – Introduction to Archaeology (3)
ANTH 1070 – Indians of California (3)
ANTH 1080 – Women in Cross-Cultural Perspective (3)
ANTH 1090 – Indians of North America (3)

Early Childhood Education
ECE 1002 – Child Development (3)
ECE 1003 – Child, Family, and Community (3)
ECE 1999 – Human Development (3)
ECE 2500 – Supporting Family Relationships and Parenting (3)

Economics
ECON 1010 – Principles of Macroeconomics (3)
ECON 1020 – Principles of Microeconomics (3)

History
HIST 1004 – Western Civilization to 1600 (3)
HIST 1005 – Western Civilization since 1600 (3)
HIST 1006 – California History and Politics (3)
HIST 1007 – Native American History (3)

Political Science
POLS 1001 – American Government (3)
POLS 1007 – World Politics (3)

Psychology
PSY 1001 – General Psychology (3)
PSY 1003 – Social Psychology (3)
PSY 1502 – Abnormal Psychology (3)

Sociology
SOC 1001 – Introduction to Sociology (3)
SOC 1002 – Social Problems (3)

All courses must be completed with a grade of C or better.

Mathematics

Faculty
Kevin Broussard

General Description
The role of mathematics is vital and growing, providing solutions to problems in a wide range of sciences: social, biological, physical, behavioral, and management. As a tool, mathematics is necessary for understanding and expressing ideas in science, engineering and human affairs. Mathematics is integrally related to computer science and statistics, which have proven invaluable to advancing research and modern industrial technology. The Mathematics curriculum academically prepares the student to transfer to a four-year university to complete a baccalaureate degree in mathematics or a related discipline. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Set up, manipulate, graph, solve, or apply standard algebraic expressions and equations.
• Interpret, analyze, and solve word problems.
• Explain the mathematical reasons behind a multi-step problem.
• Apply the concepts of analytic geometry, single and multi-variable calculus, linear algebra, and differential equations to model and solve real-world problems.
• Demonstrate a familiarity with the fundamentals of a mathematical proof.

Career Options
The following list is a sample of the many career options available for the mathematics major. A few of these require an associate degree, most require a bachelor’s degree, and some require a graduate-level degree: numerical analyst, teacher, engineering analyst, systems analyst, operations analyst, casualty rater, technical writer, research assistant, statistician, and computer specialist. In addition, there is presently a great need for high school and college mathematics instructors with this area of employment continuing to grow as society becomes more technological in business, industry, government, and education.

Degree/Certificate Options
Associate in Science Degree in Mathematics (AS)
Associate in Science Degree in Mathematics for Transfer (AS-T)

Associate in Science Degree in Mathematics
Mathematics has become essential and pervasive in the workplace. Projections indicate that its use will expand as will the need for more workers with knowledge of college-level mathematics.

Requirements for the Major
Complete the following:

MATH 1400 – Calculus & Analytic Geometry I (5)
MATH 1500 – Calculus & Analytic Geometry II (5)
MATH 2400 – Calculus & Analytic Geometry III (5)
MATH 2500 – Differential Equations (3)
MATH 2600 – Linear Algebra (3)

Complete one of the following:

CSCI 1007 – Programming I (3)
MATH 1010 – Finite Mathematics (3)
MATH 1050 – Elementary Statistics (5)
PHYS 2105 – Mechanical Physics, Oscillations, Waves (4)

Total Major Units: 24–26

All courses must be completed with a grade of C or better.
In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Associate in Science Degree in Mathematics for Transfer (AS-T)**

The Associate in Science Degree in Mathematics for Transfer will meet the needs of students transferring to a California State University who intend to study in a similar major.

To obtain the Associate in Science Degree in Mathematics for Transfer students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Mathematics major requirements below.
- The California State University General Education – Breadth (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

**Requirements for the Major**

Complete the following:

- **MATH 1400** – Calculus & Analytic Geometry I (5)
- **MATH 1500** – Calculus & Analytic Geometry II (5)
- **MATH 2400** – Calculus & Analytic Geometry III (5)

Complete one of the following:

- **MATH 2500** – Ordinary Differential Equations (3)
- **MATH 2600** – Introduction to Linear Algebra (3)

Complete one of the following:

- **CSCI 1004** – Visual Basic Programming (4)
- **CSCI 1007** – Programming I (3)
- **MATH 1050** – Elementary Statistics (5)
- **PHYS 2105** – Mechanical Physics, Oscillations, and Waves (4)

**Total major units: 21–23**

All courses must be completed with a grade of C or better.

Double counting courses in GE and the major is permissible. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Courses**

**MATH 0830**

**PRE-ALGEBRA**

4 units, 64–72 lecture hours

Graded

Prerequisite: **MATH 0804 or qualification through assessment**

A basic mathematics course designed to provide skill development in operations with fractions, decimals, percents, and signed numbers. Algebra concepts including variables, order of operations, graphing, and measurement are also presented. (NDA)

**MATH 0850**

**ELEMENTARY ALGEBRA REVIEW**

4 units, 64–72 lecture hours

Graded

Prerequisite: **Qualification through assessment**

This course is designed for students needing an intensive and fast-paced extensive review of Algebra and who have previously successfully completed Algebra in high school. Topics include properties of and operations on real numbers, linear equations, linear systems, exponents, polynomials, factoring, rational expressions, radicals, quadratic equations, and parabolas. (NDA)

**MATH 0851**

**BEGINNING ALGEBRA I**

4 units, 64–72 lecture hours

Graded

Prerequisite: **MATH 0830 or qualification through assessment**

Designed to increase student confidence in Mathematics. The extended time frame allows for more in-class work and additional discussion of special applications and problems of historical interest. Topics include simplifying algebraic expressions, solving one-variable linear equations, graphing linear equations in one and two variables and linear systems. Recommended for students who have never successfully completed an algebra course. (NDA)

**MATH 0852**

**BEGINNING ALGEBRA II**

4 units, 64–72 lecture hours

Graded

Prerequisite: **MATH 0851**

The second semester of Beginning Algebra. Topics include factoring, radicals, polynomials, quadratic equations, and graphing parabolas. (NDA)

**MATH 0980**

**INTERMEDIATE ALGEBRA**

4 units, 64–72 lecture hours

Graded

Prerequisite: **MATH 0830 or MATH 0852 or qualification through assessment**

This course is a study of algebra including real numbers, linear equations and inequalities, exponents, factoring, rational expressions, radicals, quadratic equations and functions. Emphasis is placed on manipulating literal equations, absolute value equations and inequalities, complex numbers, and systems of equations. (AA)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Hours</th>
<th>Grading</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1010</td>
<td>Finite Mathematics</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>MATH 0980 or qualification through assessment</td>
<td></td>
<td>A college-level math course recommended for students majoring in math, biological sciences, or social sciences and required for some business majors. Topics include linear, exponential functions, systems of linear equations and inequalities, matrix algebra, inverse matrices, linear programming, set theory, DeMorgan's Laws and Venn diagrams, probability and combinatorics, conditional probability, Markov chains and applications to problems in finance including simple and compound interest, future and present value, annuities, sinking funds and amortization. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 1050</td>
<td>Elementary Statistics</td>
<td>5</td>
<td>80-90</td>
<td>Graded</td>
<td>MATH 0980 or qualification through assessment</td>
<td></td>
<td>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 disciplines including business, social sciences, psychology, life science, health science, and education. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 1100</td>
<td>College Algebra</td>
<td>4</td>
<td>64-72</td>
<td>Graded</td>
<td>MATH 0980 or qualification through assessment</td>
<td></td>
<td>Topics include the real number system, radicals and rational exponents, linear and quadratic equations and inequalities, graphs and functions, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, matrices, analytic geometry, and mathematical induction. The UC accepts transfer credit for either MATH 1200 or MATH 1100 but not both. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>Pre-Calculus</td>
<td>5</td>
<td>80-90</td>
<td>Graded</td>
<td>MATH 1100 or qualification through assessment</td>
<td></td>
<td>This course is preparation for Calculus including a review of college algebra, polynomials, rational functions, trigonometric functions and identities, and mathematical induction. Covers analytical and plane trigonometry. Analytical geometry includes basic formulas and conic sections. A maximum of 4 units of MATH 1200 can be counted for UC transfer credit. The UC accepts transfer credit for either MATH 1200 or MATH 1100 but not both. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 1400</td>
<td>Calculus and Analytic Geometry I</td>
<td>5</td>
<td>80-90</td>
<td>Graded</td>
<td>MATH 1200 or qualification through assessment</td>
<td></td>
<td>This course is the first of a sequence of three courses in Calculus and Analytic Geometry. Topics include a review of elementary functions, their limits, differentiation, applications of differentiation, integration, and applications of the definite integral. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 1500</td>
<td>Calculus and Analytic Geometry II</td>
<td>5</td>
<td>80-90</td>
<td>Graded</td>
<td>MATH 1400 or qualification through assessment</td>
<td></td>
<td>This course is the second of a sequence of three courses in Calculus and Analytic Geometry. Topics include calculus of logarithmic, exponential, and inverse trigonometric functions, techniques of integration, improper integrals, first-order differential equations, modeling, and infinite series. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 2400</td>
<td>Calculus and Analytic Geometry III</td>
<td>5</td>
<td>80-90</td>
<td>Graded</td>
<td>MATH 1500 or qualification through assessment</td>
<td></td>
<td>This course is the third in a sequence of three courses in Calculus and Analytic Geometry. Topics include vectors and applications, calculus of multivariable functions, partial derivatives, optimization, multiple integrals, line integrals, curl, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 2500</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>MATH 2400</td>
<td>MATH 2600</td>
<td>This is an introduction to ordinary differential equations. Topics include first and second order linear equations, non-linear equations, complementary and particular solutions, linear independence and Wronskians, variation of parameters, undetermined coefficients, homogeneous equations, integrating factors, separation of variables, Laplace transforms, series solutions, eigenvalues and solving systems of differential equations, and applications. (AA, CSU, UC)</td>
</tr>
<tr>
<td>MATH 2600</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
<td>48-54</td>
<td>Graded</td>
<td>MATH 2400</td>
<td></td>
<td>Math 2600 is an introduction to Linear Algebra. Topics include Gaussian elimination, matrix algebra, dimension and rank, linear independence, basis, vector spaces, linear transformations, isomorphism, kernel and range, eigenvalues and eigenvectors, Gram-Schmidt, orthogonal matrices, and change of basis. (AA, CSU, UC)</td>
</tr>
</tbody>
</table>
Media Communications

General Description
The Media Communications program at College of the Siskiyous is designed to prepare students for entry-level employment in the Broadcast Television, Cable Television, and Independent Video industries. Television and video are a force uniquely important in today's multi-media society. Media technology is evolving rapidly which opens up many opportunities for employment. This curriculum also academically prepares students for baccalaureate programs at four-year universities. Please check with a counselor or advisor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:
- Display technical proficiency with cutting-edge TV/video equipment.
- Produce and compile a video portfolio.
- Develop and refine organizational skills.
- Develop leadership skills through group productions.
- Meet deadlines while working under pressure.
- Demonstrate aesthetic sensibilities in production and post-production processes.
- Analyze, assess, and critique finished film/TV productions.
- Recognize trends in film/TV history.
- Utilize techniques for the successful business approach to TV/video production.

Career Options
The Media Communications major opens the door to many career opportunities in film, radio, television, and other broadcast media. Most of these careers require a certificate of achievement or an associate degree, some require a bachelor's degree, and a few require a graduate-level degree. Possible career options include television producer, studio manager, studio technician, studio engineer, station manager, director, director of photography, director of engineering, casting director, sports director, TV/radio announcer, technical director, camera operator, grip, boom operator, film/video technician, editor, editing machine operator, continuity and script editor, special effects technician, production designer, scriptwriter, newswriter, video/film lab technician, video recording engineer, director of advertising, director of research.

Degree/Certificate Options
Associate in Arts Degree
Media Communications

Certificate
Media Communications

Associate in Arts Degree
Media Communications

The Media-Communications program at College of the Siskiyous is designed to prepare students for entry-level employment in the broadcast television, cable television, and independent video industries. Television and video are a force uniquely important in today's multi-media society. Media technology is evolving rapidly which opens up many opportunities for employment. This curriculum also academically prepares students for baccalaureate programs at four-year universities. Please check with a counselor or advisor for specific transfer requirements.

Requirements for the Major
- ART 1034 – Digital Video Production (3)
- HUM 1005 – Humanities and Film (3)
- MCOM 1000 – Film and Television Writing (3)
- MCOM 1100 – Introduction to Mass Media (3)
- MCOM 1200 – Broadcast Journalism (3)
- MCOM 1700 – Digital Video Editing (3)

Total Major Units: 18

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificate
Media Communications

Requirements for the Certificate
- ART 1034 – Digital Video Production (3)
- MCOM 1000 – Film and Television Writing (3)
- MCOM 1700 – Digital Video Editing (3)

Total Certificate Units: 9

Courses

MCOM 1000
FILM AND TELEVISION WRITING
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900

The techniques and formats of writing for Film and Television, including analysis and study of professionally written scripts. Scriptwriting assignments for commercials, public service, news, documentaries, and dramas are required. (AA, CSU)

MCOM 1014
PUBLICATIONS JOURNALISM
3 units, 32-36 lecture hours / 48-54 lab hours
Graded

Publication of a college feature magazine in a working context. Students will investigate traditional and electronic methods of page production. Hands-on work with desktop programs, copy camera and paste-up techniques, plus pressroom production allows the student to experience the complete project. An introduction to photojournalistic reporting concepts followed by actual field work involves class members in production. May be taken for credit a total of four times. (AA,CSU)
MCOM 1100
INTRODUCTION TO MASS MEDIA
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900
Introduction to the basic concepts of mass communication, including the effects, uses, and functions associated with the goods and services of mass media. This course examines ways mass media combine with other institutions to affect the organization, design, and comprehension of messages, as well as political thought, cultural beliefs, and economic behavior. Major units in this course include: the social, ethical, political, and historical function of the various media. Also included are the practices, influences, responsibilities and nature of mass communication theories. (AA,CSU,UC)

MCOM 1200
BROADCAST JOURNALISM
3 units, 48-54 lecture hours
Graded
This class provides students with a foundation for the future of multi-media broadcast journalism. Class sessions introduce students to the multimodal applications evolving in news broadcast. Students will examine the newly evolving broadcast role of the web, cell phone apps, blogs, video, t.v., and print media. Students will examine development and delivery approaches in advancing the story. (AA,CSU)

MCOM 1500
COMMUNITY TELEVISION
0.5-3 units, 24-162 lab hours
Pass/No Pass
This course is the rehearsal and performance of a community television production. Students will participate as talent, guest, and/or technicians. C.O.S. Television broadcast is a lab designed to develop and encourage the sharing of local interest and information throughout the surrounding communities via cable broadcasting, by enabling students to promote programs, events and issues of interest. Students enrolling in this course for the first time must attend an orientation session before using the lab. This course is open entry/open exit. May be taken for credit a total of four times. (AA,CSU)

MCOM 1600
VIDEO PRODUCTION
1 unit, 16-18 lecture hours
Graded
Introduction to portable video production equipment, techniques, and principles. Emphasis is on technical proficiency in pre-production planning and production of video programs. This course may be taken for credit a total of two times. (AA,CSU)

MCOM 1700
DIGITAL VIDEO EDITING
3 units, 32–36 lecture hours / 64–72 lab hours
Graded
Intended for Communications degree and Communications certificate as well as members of the community who are seeking to focus on computerized editing and post-production, this course emphasizes the technical, theoretical, and creative aspects of computerized digital editing and includes instruction in the operation of various industry standard computerized editing systems. This course may be taken for credit a total of four times. (AA, CSU)

MCOM 1800
RADIO PROGRAMMING AND PRODUCTION
2 units, 16–18 lecture hours / 48–54 lab hours
Graded
Advisory: ENGL 0900
This course introduces students to the principles of commercial and non-commercial radio programming and fundamental techniques of audio production. Topics include: digital audio editing for radio, Internet radio, and other distribution techniques. Students will also gain lab experience in the production of radio programs which may be broadcast on a local station. (AA,CSU)

MCOM 2000
ADVANCED FILM AND TELEVISION WRITING
3 units, 48-54 lecture hours
Graded
Writing for motion pictures and television, including story structure, creating characters, and developing the theme. Students will complete a full-length motion picture or television program script. (AA,CSU)

MCOM 2929
SPECIAL STUDIES
1-2 units, 54-108 lab hours
Graded
Advisory: MCOM 1700
Opportunity for capable students to do an independent study of a selected aspect of communications. May be repeated for credit a total of four times. (AA,CSU)

MCOM 2949
WORK EXPERIENCE
0.5-8 units, 30-600 lab hours
Graded
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student's educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA,CSU)
Media Communications, Music

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Demonstrate an awareness of the ways in which people through the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation.
- Demonstrate the ability to analyze and appreciate works of philosophical, historical, literary, aesthetic, and cultural importance.
- Demonstrate the ability to play piano at a grade-three level.
- Analyze works in traditional and non-traditional contexts.
- Compose or arrange works in traditional and non-traditional contexts.
- Demonstrate the ability to sing at sight and transcribe at hearing traditional and non-traditional music.
- In area of chosen focus, demonstrate proficiency at a comparable level to a student entering upper division coursework.
- Demonstrate an understanding of the responsibilities of musicianship.

Career Options
The following list is a sample of the many career options available to the music major. Most of these options will require further training past the COS program which is designed to satisfy the first two years of any music career program: soloist, private music teacher, recording technician, backup artist, administrator, accompanist, publisher, conductor, school or college teacher, band performer, music critic, studio performer, arranger, music therapist, composer, music librarian, choir performer, church music director, record/CD producer, music copyist, instrument repair. Many of these careers are discussed in the Introduction to Music Major: MUS 1022.

Degree/Certificate Options

Associate in Arts Degree

Music: Vocal Performance
Music: Instrumental Performance
Music and Theater Performance

Associate in Arts Degree
Provides programs for students who wish to become professional musicians; prepare for a career in public school or private teaching; broaden their general knowledge of music; develop performance skills or pursue an advanced degree in music. Includes theory, keyboarding, and ear training skills.

Vocal Performance
This program is designed to give the student two years of training in vocal performance in preparation for professional or semi-professional employment. It also satisfies the first two years of the music major four-year degree and prepares the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Requirements for the Major

First Year:
Complete the following:
- MUS 1022 – Introduction to the Music Major (2)
- MUS 1025 – Beginning Voice I (1)
- MUS 1035 – Beginning Piano (1 unit per semester) (2)
- MUS 1101 – Music Theory I (4)
- MUS 1525 – Beginning Voice II (1)
- MUS 1601 – Music Theory II (4)

Participate in a large vocal ensemble each semester: (1.5 units per semester) (3)
- MUS 1105 – Concert Choir (1.5)

Participate in an additional ensemble each semester: (1.5-2 units per semester) (3-4)
- MUS 0958 – Siskiyous Serenaders Barbershop Chorus (1.5)
- MUS 1041 – Orchestra (1.5)
- MUS 1111 – Community Band (1.5)
- MUS 1507 – Chamber Singers (1.5)
- MUS 1508 – Chamber Music Ensemble (1.5)
- MUS 1512 – Vocal Jazz Ensemble (2)
- MUS 1516 – Jazz Band (1.5)
- MUS 1528 – Musical Comedy Workshop (2)

Total Units – Year One 20 – 21

Second Year:
Complete the following:
- MUS 1014 – Applied Music (2 units per semester) (4)
- MUS 1535 – Intermediate Piano (1 unit per semester) (2)
- MUS 2101 – Music Theory III (4)
- MUS 2601 – Music Theory IV (4)

Participate in a large vocal ensemble each semester: (1.5 units per semester) (3)
- MUS 1105 – Concert Choir (1.5)

Participate in an additional ensemble each semester: (1.5-2 units per semester) (3-4)
- MUS 0958 – Siskiyous Serenaders Barbershop Chorus (1.5)
- MUS 1041 – Orchestra (1.5)
- MUS 1111 – Community Band (1.5)
- MUS 1507 – Chamber Singers (1.5)
- MUS 1508 – Chamber Music Ensemble (1.5)
- MUS 1512 – Vocal Jazz Ensemble (2)
- MUS 1516 – Jazz Band (1.5)
- MUS 1528 – Musical Comedy Workshop (2)

Total Units – Year Two 20 – 21
Total Major Units: 40 – 42

All courses must be completed with a grade of C or better.
In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Instrumental Performance**

This program is designed to give the student two years of training in instrumental performance in preparation for professional or semi-professional employment. It is designed to satisfy the first two years of a four-year degree as music major and prepares the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

**Requirements for the Major**

**First Year:**
Complete the following:
- MUS 1014 – Applied Music - Technique (2 units per semester) (4)
- MUS 1022 – Introduction to the Music Major (2)
- MUS 1025 – Beginning Voice I (1)
- MUS 1035 – Piano (1 unit per semester) (2)
- MUS 1101 – Music Theory I (4)
- MUS 1525 – Beginning Voice II (1)
- MUS 1601 – Music Theory II (4)
Required participation in one large instrumental ensemble*(1.5 units per semester) (3)
  - MUS 1041 – Concert Orchestra (1.5)
  - MUS 1111 – Concert Band (1.5)
Required participation one additional ensemble (1.5-2 units per semester) (3-4)
  - MUS 0958 – Siskiyous Serenaders Barbershop Chorus (1.5)
  - MUS 1041 – Concert Orchestra (1.5)
  - MUS 1105 – Concert Choir (1.5)
  - MUS 1111 – Concert Band (1.5)
  - MUS 1507 – Chamber Singers (1.5)
  - MUS 1508 – Chamber Music Ensemble (1.5)
  - MUS 1512 – Vocal Jazz Ensemble (2)
  - MUS 1516 – Jazz Band (1.5)
  - MUS 1528 – Musical Comedy Workshop (1)
  - MUS 1512 – Vocal Jazz Ensemble (2)
Total Units – Year One: 24 – 25

**Second Year:**
Complete the following:
- MUS 1014 – Applied Music - Technique (2 unit per semester) (4)
- MUS 1535 – Intermediate Piano (1 unit per semester) (2)
- MUS 2101 – Music Theory III (4)
- MUS 2601 – Music Theory IV (4)
Required participation in one large instrumental ensemble*(1.5 units per semester) (3)
  - MUS 1041 – Concert Orchestra (1.5)
  - MUS 1111 – Concert Band (1.5)
Required participation one additional ensemble (1.5-2 units per semester) (3-4)
  - MUS 0958 – Siskiyous Serenaders Barbershop Chorus (1.5)
  - MUS 1041 – Concert Orchestra (1.5)
  - MUS 1105 – Concert Choir (1.5)
  - MUS 1111 – Concert Band (1.5)
  - MUS 1507 – Chamber Singers (1.5)
  - MUS 1508 – Chamber Music Ensemble (1.5)
Total Major Units: 44-46

All courses must be completed with a grade of C or better.

**Musical Theatre**

This program is designed to provide the student with two years of training in drama and vocal music performance in preparation for professional or semi-professional employment. The curriculum also academically prepares the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

**Requirements for the Major**
Complete the following:
- MUS 1004 – Music Fundamentals (5)
- MUS 1025 – Beginning Voice I (1)
- MUS 1525 – Beginning Voice II (1)
- THEA 1100 – Principles of Acting (3)
- THEA 1150 – Stage Makeup (3)
- THEA 1200 – Intermediate Principles of Acting (3)
- THEA 1305 – Fundamentals of Dance (1)
- THEA 1501 – Technical Production Lab (1-3)
- THEA 2000 – Introduction to Theatre (3)
Complete one of the following: (1-3)
  - MUS 1528 – Musical Comedy Workshop (1-3)
  - THEA 1301 – Musical Comedy Workshop (1-3)
Complete 3 to 4 units from the following: (3-4)
  - MUS 1105 – Concert Choir (1.5)
  - MUS 1507 – Chamber Singers (1.5)
  - MUS 1512 – Vocal Jazz Ensemble (2)
Total Major Units: 25-30

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Courses**

**MUS 0506**

**COMMUNITY CHOIR**
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours
Pass/No Pass

This course includes the study and performance of standard choral literature. Music from the 16th Century to the modern will be prepared for public performance. (NDA)
MUS 0507  
COMMUNITY CHAMBER SINGERS  
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Pass/No Pass  
A select choral ensemble of experienced singers who will perform at various college and community functions. Repertoire includes folk songs, madrigals, spirituals, and additional music, all of which requires advanced singing ability. Specific attention will be paid to the aging voice regarding vocal production. The final musical goal will be performances enjoyable to both the performers and audience members. (NDA)

MUS 0508  
COMMUNITY BARBERSHOP CHORUS FOR OLDER ADULTS  
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Pass/No Pass  
MUS 0508 is a performing ensemble that seeks to understand, perform, and preserve 4-part, a cappella music in the style popularized beginning at the turn of the 20th Century. Other 4-part a cappella music will be explored as well. Vocal production and care for the aging voice, understanding of proper tuning, balance, blend and harmonizing will be the musical focus with the final goal being performances enjoyable and appropriate to aging performers and all audience members. (NDA)

MUS 0511  
COMMUNITY CONCERT BAND  
0 units, 5.76–25.2 lecture hours / 6.24–28.8 lab hours  
Pass/No Pass  
This is a traditional "Concert Band" ensemble. Various styles of music will be studied including marches, overtures, novelty works, and contemporary compositions. Learners develop skills playing instruments of personal interest as well as enhance fine motor skill development for the later life learner. (NDA)

MUS 0516  
COMMUNITY JAZZ BAND  
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Pass/No Pass  
A traditional "Big Band" style ensemble. Contemporary arrangements will be rehearsed and performed utilizing five saxophones, four/five trumpets, four/five trombones, one piano player; one bass player, one guitar player and one or two jazz drum set players. Jazz, Latin, rock, funk and other styles will be learned with an emphasis on Jazz Improvisation. Learners develop skills playing instruments of personal interest as well as enhance fine motor skill development for the later life learner. (NDA)

MUS 0583  
COMMUNITY ORCHESTRA  
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Pass/No Pass  
MUS 0583 is a full symphonic orchestra that seeks to understand and perform orchestral works from various periods and styles including Classical, Romantic, Modern and Contemporary. Various individual instrumental techniques will be explored and refined as well as ensemble techniques such as balance, blend, intonation and interpretation of performance markings. Learners develop skills playing instruments of personal interest as well as enhance fine motor skill development for the later life learner. (NDA)

MUS 0588  
COMMUNITY CHAMBER MUSIC ENSEMBLE  
0 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Pass/No Pass  
MUS 0588 prepares students in the participation of smaller instrumental and vocal ensembles, with intensive preparation toward performance. Small ensemble music is available for most instruments, and vocalists. Emphasis is on the active participation, and performance of small diverse instrumental combinations, including, but not limited to: duets, trios, string, vocal, woodwind, and brass quartets, quintets, etc. Learners develop skills singing or playing instruments of personal interest as well as enhance fine motor skill development for the later life learner. (NDA)

MUS 0853  
FUNDAMENTALS OF PIANO  
1 unit, 16–18 lecture hours / 16–18 lab hours  
Graded  
This course is offered to students with no piano experience or music reading skills. Course content includes piano study at the beginning level along with the study of music fundamentals. (NDA)

MUS 0958  
SISKIYOUS SERENADERS BARBERSHOP CHORUS  
1.5 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Graded  
MUS 0958 is a performing ensemble that seeks to understand, perform, and preserve 4-part, a cappella music in the style popularized beginning at the turn of the 20th Century. Other 4-part a cappella music will be explored as well. Good vocal production, understanding of proper tuning, balance, blend and harmonizing will be the musical focus with the final goal being performances enjoyable to both the performers and the audience members. (AA)

MUS 1004  
FUNDAMENTALS OF MUSIC  
5 units, 80–90 lecture hours  
Graded  
Prerequisite: MATH 0830 or qualification through assessment  
This course covers the basics of music theory including music notation, its history and development, keys, scales, intervals and an introduction to chords. It also provides ear training in the rhythmic and melodic areas of music. The student will learn to sight-read simple rhythms and melodies and to take rhythmic and melodic dictation. It is designed, in part, as a preparatory course for MUS 1101. (AA, CSU, UC) (C-ID: MUS 110)
MUS 1014
APPLIED MUSIC - TECHNIQUE
2 units, 32-36 lab hours / 80-90 other hours
Graded
Prerequisite: Assessment by audition or completion of a previous semester of MUS 1014
Corequisite: Presently registered in or have completed MUS 1004 or Music Theory, and be registered in two performance groups with faculty approval

Specialized individual instruction for music students on their major focus. A weekly private lesson. Study of techniques and problems of performance. Study of scales, appropriate technical exercises and solo literature at the intermediate level. Performance in a recital each semester is required. This course is required for all instrumental music majors and minors and may be taken for credit a total of four times. (AA, CSU, UC) (C-ID: MUS 160)

MUS 1022
INTRODUCTION TO THE MUSIC MAJOR
2 units, 32-36 lecture hours
Graded
This course is designed to give the student, who is considering majoring in music, skills which will improve his/her chances of succeeding in the major along with career exploration in the area of music. The course covers behavior expectations, practice skills, time management, career exploration, college and university music program exploration, and a final career project. Field trips required. The UC accepts transfer credit for either GUID 1005 or MUS 1022 but not both. (AA, CSU, UC)

MUS 1025
BEGINNING VOICE I
1 unit, 16-18 lecture hours / 16-18 lab hours
Graded
This course is designed to provide voice training for Music and Theatre majors and minors. Other students wishing to improve their singing voices are also welcome. All instrumental majors are required to take one year of Beginning Voice. MUS 1025 & 1525 are highly recommended for Theatre majors. (AA, CSU, UC)

MUS 1035
BEGINNING PIANO
1 unit, 16-18 lecture hours / 16-18 lab hours
Graded
This course is the study of piano at the beginning level. The student may progress from the student's ability level and advance through two semesters of study. All music majors are required to play piano to satisfy qualifications for the degree in music. Non-music majors are also welcome. This course may be taken for credit a total of two times. (AA, CSU, UC)

MUS 1041
ORCHESTRA
1.5 units, 22.4-25.2 lecture hours / 25.6-28.8 lab hours
Graded
MUS 1041 is a full symphonic orchestra that seeks to understand and perform orchestral works from various periods and styles including Classical, Romantic, Modern and Contemporary. Various individual instrumental techniques will be explored and refined as well as ensemble techniques such as balance, blend, intonation and interpretation of performance markings. May be taken for credit a total of four times. (AA, CSU, UC)

MUS 1101
MUSIC THEORY I
4 units, 64-72 lecture hours / 16-18 lab hours
Graded
Prerequisite: MUS 1004 or qualification through assessment
This course includes notation in all clefs, all major, minor, chromatic, and modal scales and key signatures as well as simple, compound and complex rhythms and time signatures. All forms of intervals, triads, seventh chords and inversions will be studied and recognized aurally as well as notationally. Sight singing will be accomplished using solfege syllables and rhythms and intervals studied. Melodic dictation will be emphasized and keyboard technique will be developed as it relates to materials covered in the course. (AA, CSU, UC) (C-ID: MUS 120 & MUS 125)

MUS 1105
CONCERT CHOIR
1.5 units, 22.4-25.2 lecture hours / 25.6-28.8 lab hours
Graded
This course includes the study and performance of standard choral literature. Music from the 16th Century to the modern will be prepared for public performance. May be taken for credit a total of four times. (AA, CSU, UC)

MUS 1111
COMMUNITY BAND
1.5 units, 22.4-25.2 lecture hours / 25.6-28.8 lab hours
Graded
This is a large concert band rehearsing and performing concert band literature. The group will make several public performances and is open to all instrumentalists. May be taken for credit a total of four times. (AA, CSU, UC)

MUS 1131
MUSIC APPRECIATION
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900
This is an introductory course to arouse the student's interest in classical music and teach the student to respond intelligently to the great works which constitute our musical heritage. MUS 1131 will include the study of the materials of music and performing mediums, and a brief study of important compositions by famous composers of the Medieval, Baroque, Classical, Romantic, and Modern periods. (AA, CSU, UC) (C-ID: MUS 100)
MUS 1226  
GUITAR  
1.5 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Graded  
This is a course offering beginning instruction for the guitar. You will learn open chords, power chords, moveable chords, accompaniment techniques and a variety of playing techniques and styles including both the pick style and the finger style approaches to the guitar. The course also includes music fundamentals, theory, songs, performance, listening, composing, improvising, analyzing and learning how to read standard music notation and tablature. This course may be taken for credit a total of four times. (AA, CSU, UC)

MUS 1234  
DIVERSITY IN AMERICAN MUSIC  
3 units, 48–54 lecture hours  
Graded  
Advisory: ENGL 1001 or qualification through assessment  
Students will learn how music helped various cultures and cultural elements persevere through adversity. Students will examine various types of music from the various cultures of America. The contributions of these cultures to the development of various musical styles will be studied with an emphasis on the oppression of certain cultures and the dominance of others. (AA, CSU, UC)

MUS 1507  
CHAMBER SINGERS  
1.5 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Graded  
A select choral ensemble of experienced singers who will perform at various college and community functions. Repertoire includes folk songs, madrigals, spirituals, and additional music, all of which require more advanced singing ability than is expected in MUS 1105. (AA, CSU, UC)

MUS 1508  
CHAMBER MUSIC ENSEMBLE  
1.5 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Graded  
MUS 1508 prepares students for participation in smaller instrumental and vocal ensembles, with intensive preparation toward performance. Available for most instruments, and vocalists. Emphasis is on the active participation, and performance of small diverse instrumental combinations, including, but not limited to: duets, trios, string, vocal, woodwind, and brass quartets, quintets, etc. (AA, CSU, UC)

MUS 1512  
VOCAL JAZZ ENSEMBLE  
2 units, 27.2–30.6 lecture hours / 36.8–41.4 lab hours  
Graded  
Prerequisite: Assessment by audition; a solo audition with the instructor to review the student’s basic skills in sight reading and stylistic interpretation  
Advisory: MUS 1004, MUS 1105, or MUS 1507  
A prolific performing ensemble designed to enable the students to advance in the genre of vocal jazz. Stylistic understanding and appreciation of the organization, training procedures, arranging, staging, and other phases of ensemble work will be emphasized. Vocal improvisation will be explored as well. Music performed will consist of jazz, jazz rock, top 40, and pop materials. May be taken for credit a total of four times. (AA, CSU, UC)

MUS 1516  
JAZZ BAND  
1.5 units, 22.4–25.2 lecture hours / 25.6–28.8 lab hours  
Graded  
This is an organized large jazz band rehearsing and performing jazz, fusion, and pop material along with improvisational techniques. (AA, CSU, UC) (C-ID: MUS 180)

MUS 1521  
COMPUTERIZED MUSIC NOTATION  
2 units, 16–18 lecture hours / 48–54 lab hours  
Graded  
Advisory: MUS 1004  
An introduction to computerized music notation utilizing the industry standard software. Students will learn basic techniques to generate musical scores. May be taken for credit a total of four times. (AA, CSU, UC)

MUS 1525  
BEGINNING VOICE II  
1 unit, 16–18 lecture hours / 16–18 lab hours  
Graded  
Prerequisite: MUS 1025  
This course is designed to provide voice training for Music and Theater majors and minors in the music of Broadway musicals. Other students wishing to improve their singing voice are also welcome. All instrumental and vocal music majors are required to complete this course. MUS 1025 and 1525 are highly recommended for theater majors and are required for all music majors. (AA, CSU, UC)

MUS 1528  
MUSICAL COMEDY WORKSHOP  
1–2 units, 9–18 lecture hours / 27–54 lab hours  
Graded  
Rehearsal and performance of a musical play. (AA, CSU, UC)

MUS 1535  
INTERMEDIATE PIANO  
1 unit, 16–18 lecture hours / 16–18 lab hours  
Graded  
Prerequisite: Two semesters of MUS 1035 or consent of instructor  
Topics include: technique articulation interpretation and styles. Study of musical pieces from standard piano repertoire of early intermediate through advanced level, depending on students’ skills and prior experience. (AA, CSU, UC)
MUS 1601
MUSIC THEORY II
4 units, 64–72 lecture hours / 16–18 lab hours
Graded
Prerequisite: MUS 1101

MUS 1601 covers the fundamentals of two part voice leading, melody writing and all the traditional concepts of four-part writing. Secondary functions will be examined both as tonicizations of chords and as part of a study of modulations. Sight singing will focus on melodic materials featuring intervals related to the root movements being studied. Additional ear training materials will include dictation of four-part exercises and will be reinforced by keyboard exercises of similar types. (AA,CSU,UC) (C-ID: MUS 130 & MUS 135)

MUS 1633
SURVEY OF JAZZ AND POPULAR MUSIC
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900 or qualification through assessment

MUS 1633 studies the development of jazz and popular music based on musical and sociocultural influences. The historical roots of American popular music will be examined and explored. The course begins by studying the source material for popular music and then explores each genre beginning with the Blues, Jazz, Rock, Country and Rap in nearly every form. (AA, CSU, UC)

MUS 2101
MUSIC THEORY III
4 units, 64–72 lecture hours / 16–18 lab hours
Graded
Prerequisite: MUS 1601


MUS 2523
APPLIED MUSIC – LITERATURE
2 units, 32–36 lab hours / 80–90 other hours
Graded
Prerequisite: Completion of four semesters of MUS 1014
Corequisite: Co-enrollment in MUS 1101 or 1004, and a performance group or completion of MUS 1101 and a performance group

This course includes specialized individual instruction for music majors on their major focus instrument or voice through a weekly one-hour private lesson. The study of appropriate literature from all relevant eras of music history including the Baroque, Classical, Romantic and Modern will be covered through subsequent semesters. Performance in a recital each semester is required. May be taken for credit a total of four times. (AA, CSU, UC)

Music Industry

MUSI 1010
COMPUTER MUSIC TECHNOLOGY I
2 units, 16–18 lecture hours / 48–54 lab hours
Graded

Students will learn to create new music using pre-existing loops and live, electric, or digital instruments. Using both the Garage Band and Acid Studio platforms, MIDI interface, microphones, keyboards, and other instruments as inputs, students will explore the computer as a means for the creation of new music and editing of existing musical projects. (AA, CSU)
MUSI 1011
LIVE AUDIO I
1 unit, 16–18 lecture hours
Graded

Live Audio I is an introductory course covering the use of microphones, mixers, amplifiers, speakers, monitors, and related sound reinforcement equipment. Basics of the set up and use of this equipment, care of this equipment, and sound management techniques will be explored. (AA, CSU)

MUSI 1510
COMPUTER MUSIC TECH II
2 units, 16–18 lecture hours / 32–36 lab hours
Graded

This course is an introduction to Digidesign's Pro Tools digital audio workstation software application. Basic Pro Tools principles/skills covered include: how to complete a Pro Tools project from initial set up to final mixdown are covered. It included how to record, edit, and mix music and Music Instrument Digital Interface (MIDI) tracks within the Pro Tools LE application. (AA, CSU)

MUSI 1511
LIVE AUDIO II
1 unit, 16–18 lecture hours
Graded
Prerequisite: MUSI 1011

Live Audio II covers more advanced sound system techniques as a continuation of Live Audio I. Acoustics, relationships with performers and audiences, and business aspects of sound reinforcement will be among the topics covered in the course. (AA, CSU)

MUSI 2010
COMPUTER MUSIC TECH III
2 units, 16–18 lecture hours / 32–36 lab hours
Graded

This is an intermediate course in Digidesign's Pro Tools digital audio workstation hardware and software application. Concepts and skills needed to operate large sessions in a project studio environment are covered. It includes managing large track counts, multiple channels of simultaneous inputs and outputs and the use of specialized plug-ins for specific music and post-production tasks. (AA, CSU)

MUSI 2431
PRACTICUM IN LIVE AUDIO
1 unit, 64–72 total hours
Graded
Prerequisite: MUSI 1511

The Practicum is one of two experiential classes in the Live Audio and Recording Program. Students will explore real-world situations in sound reinforcement and live recording situations. (AA, CSU)

MUSI 2941
PRACTICUM IN STUDIO RECORDING
1 unit, 64–72 other hours
Graded
Prerequisite: MUSI 2010

The Practicum is one of two experiential classes in the Live Audio and Recording Program. Students will explore real-world situations in studio recording. (AA, CSU)

Nursing

Program Director (Interim)
Cora Brownell
530.841.5819

Assistant Directors
Janis Laiacona, Brian Busk, and Jane Shelby

Faculty
Cora Brownell
Brian Busk
Kim Butler
Hallie Coppi

General Description
Nursing is an art and applied science based upon the principles taken from natural, biological, physical, and behavioral sciences, as well as from the liberal arts. The faculty of the College of the Siskiyous Nursing Programs subscribe to the American Nurses' Association definition of nursing as “the diagnosis and treatment of the human response to actual or potential health problems. Nursing is the protection, promotion, and optimization of health and abilities, prevention of illness and injury, alleviation of suffering through the diagnosis and treatment of human response, and advocacy in the care of individuals, families, communities, and populations.”

RN Program Philosophy
The philosophy of the College of the Siskiyous Associate Degree Nursing Program supports the mission statement of the college. The conceptual framework is based on the concepts of nursing process and nursing roles.

Nursing faculty members recognize the individual as a holistic, unique, and complex being who constantly responds to changing environments in biological, psychological, social, cultural, and spiritual domains. Individuals develop and interact within the context of their family, community, and social environments. Individuals possess dignity, self-worth, and the inherent right to assume responsibility for the development of their own potential including informed choices regarding their health care. Individual values and beliefs impact their state of health.

Nursing faculty believe that human health is a changing state on the wellness-illness continuum in which people are adapting to internal and external environments. Wellness is viewed as optimum function of people. Illness is viewed as an alteration in normal function due to disease or injury. Each person has a personal perception of health, or lack of health, based on knowledge, ideas, and previous experience that influence the choices made related to health care interventions.
Nursing faculty believe that nursing is both an art and science that synthesizes knowledge from the biological, natural, and social sciences with the caring skills needed to assist patients to attain an optimal state of wellness. Nursing provides direct care, management, communication, teaching, and advocacy for the patient, family, and community guided by professional standards and ethics. Nursing responds to the individualized needs of the patient, requiring the use of cognitive, affective, and psychomotor skills in the application of the nursing process to assist patients to promote, maintain or restore wellness and prevent disease or to support the client to experience dignity in death. Within the framework of the nursing process, nurses apply skills of critical thinking to decision-making processes that render accurate and effective clinical judgments. This level of knowledge and performance requires proficiency in analytical skill, which allows nurses to function effectively as members of a multidisciplinary team in a variety of health care settings.

Each learner is recognized as having unique experiences and backgrounds. Faculty members are alert to individual differences due to gender, cultural background, goals, and learning styles. Support services, including counseling, financial aid, and a wide variety of learning resources are an integral part of the system available to accommodate the individual needs of the students.

The student is considered an active participant in both the educational experience and the evaluation of the experience. The student is responsible for classroom preparation and attendance, for engagement in active listening and analysis, completion of assignments and evaluation of the learning experience.

The faculty functions as a role model, motivator, coach, facilitator, and resource person in the learning process by providing direction for necessary changes in the learner’s perception and behavior. Faculty members promote a learning environment that provides students with opportunities to experience interactive, theoretical, and hands-on learning in preparation for competent nursing practice. Faculty members are responsible and accountable for structuring the curriculum, planning the learning experiences, presenting accurate and current information, and evaluating learning outcomes.

The teaching/learning experience is guided by principles of adult education. Learning experiences progress from simple to complex building upon prerequisite knowledge and expanding and adding knowledge and skills for the professional nurse. These additional elements provide depth and integration of data, which makes decision-making possible and viable for the Registered Nurse.

**RN Program Learning Outcomes**

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

- Formulate a nursing diagnosis for a patient or group of patients by recognizing combinations of signs and symptoms, and based on information from various sources related to patients’ environments and their biological, psychosocial, and social functioning.
- Plan and prioritize individualized care for patients, families, or groups based on nursing diagnosis, health, developmental level, and apparent ability to adapt.
- Implement care to patients, families and/or groups according to standards of practice, policies, and in collaboration with other health care professionals.
- Evaluate effectiveness and implement appropriate modifications of nursing care based on the ongoing assessment of the patient, family, or group’s environment and bio psychosocial aspects.
- Initiate and maintain effective verbal, non-verbal and written communication with patients, families, groups, and/or health team members, based on knowledge and techniques of interpersonal communications.
- Manage individualized care for a group of patients with respect for the patients’ nursing diagnosis, utilizing available resources and nursing personnel commensurate with their educational preparation and or/experience.
- Utilize community resources to assist adaptation of patients, families, and groups through referral and/or collaboration.
- Teach patients, families or groups to promote adaptation and achieve or maintain a state of health.
- Demonstrate accountability for practice and self-development within the framework of the Nurse Practice Act, ethical guidelines, and the policies of the employing organization.

**VN Program Philosophy**

The Vocational Nursing program is based on the precept that nursing supports an individual or family in a movement toward health and that the whole person, including the psychological, social and physical aspects of the person’s being, should be considered in planning and implementing nursing care. The educative goal of the Vocational Nursing Program is that upon completion, the nurse will possess a broad base of nursing knowledge, an understanding of nursing principles and the nursing process, as well as being able to perform skills and techniques competently. Through a planned course of study, it is expected that the students will develop a sense of ethics and integrity not only for themselves but toward the patient, the health care team and vocational nurses as a group.

Learning is the assimilation of knowledge leading to a change in behavior. In order to learn the student requires reinforcement and the opportunity to actually apply new concepts. Learners experience various learning styles and rates as well as motives and aspirations, and such learning is promoted in an atmosphere that acknowledges such uniqueness. The teaching-learning process is a mutual endeavor. The learner must actively participate and assume responsibility for learning. The teacher not only shares knowledge but actively encourages inquiry, serves as a facilitator, role model, and resource person.

**VN Program Learning Outcomes**

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

- Possess a broad base of nursing and supportive knowledge and an understanding of nursing principles and nursing process.
- Assist with the implementation and continuing evaluation of the nursing care plan.
- Observe, record, and report to the appropriate individuals symptoms, reactions, and changes exhibited by the patient.
- Perform selected nursing procedures with proficiency.
- Assist with rehabilitation of patients.
- Demonstrate knowledge of legal and ethical considerations in nursing.
• Apply knowledge of the basic communication process; utilize the knowledge of the dynamics of human behavior.
• Demonstrate knowledge of physical, psychological, and social aspects of patient care for all age groups.

Career Options

Registered Nurses (RNs) assess patient health problems and needs, develop and implement nursing care plans through interpretation of information, and coordinate, delegate, and supervise safe delivery of care. RNs perform independent, interdependent, and dependent functions that include treating patients and educating patients, families, and communities about various medical conditions, and acting as patient advocate. RNs communicate nursing care and findings in writing and verbally to members of the health care team, help perform diagnostic tests and analyze results, administer treatments and medications, and help with patient follow-up and rehabilitation.

Licensed Vocational Nurses (LVNs) care for patients who are physically ill, including medical and surgical patients, residents of long term care facilities, and individuals with disabilities, the frail elderly, and others. LVNs work under the supervision of registered nurses and physicians. LVNs possess a broad base of nursing and supportive knowledge, and understanding of nursing principles and the nursing process. Although LVNs have fewer responsibilities and functions than RNs, an essential component of their role is to assist RNs in caring for acutely ill persons or those with complex care issues. LVNs assist in implementing, and continuing evaluations of nursing care plans. LVNs perform technical manual skills, observe, record, and report symptoms, reactions, and changes exhibited by patients. LVNs provide bedside nursing requiring technical knowledge and skills.

Certified Nurse Assistants (CNAs) provide general care to patients in hospitals, nursing homes, residential care facilities and other medical health settings under the supervision of nursing and medical staff. Routine tasks include taking and recording patient's temperature, pulse, respiration rate and blood pressure; measuring food and liquid intake and output; and reporting changes to the nursing or medical staff. They also answer patient calls for assistance, take messages, service meals, make beds, and assist patients in bathing, dressing, and personal hygiene. Learning outcomes are described in first day handouts.

Degree/Certificate Options

Associate in Science Degree
Nursing – LVN to RN Step-Up (ADN)
Vocational Nursing

Certificates of Achievement
Vocational Nursing

Certificates
Certified Nurse Assistant

NOTE: Students are required to achieve a minimum grade of "C" or better in all nursing, nursing related and prerequisite courses for progression and satisfactory completion. Minimum grade requirements may change. Please refer to the program website for latest information. One nursing courses may be repeated no more than one time with a maximum of one re-entry to the program on a space available basis. Courses must be completed in sequence as stated.

How to Apply to the RN Program
In addition to the college application, an additional program application is required.

Program applications, information, and important dates for the LVN-RN Step-Up Program are available on the program website. If unable to access the website or for additional information, receive information, contact the nursing program office by e-mail at Nursing@siskiyous.edu or call 530.841.5929.

Potential applicants to the ADN (LVN-RN Step-Up) Program must complete prerequisites and other degree requirements and have an LVN license in order to be eligible to apply. If space allows, other applicants may be considered. Applicants will be notified of acceptance during the Spring semester prior to the beginning of the summer transition course.

LVNs wishing to apply to the RN 30-unit option program should confer with a COS counselor. This non-degree option is not transferable to most other states (other states may not recognize licensure attained by the 30-unit option pathway). Intention to pursue this option must be stated at time of application and is not revocable.

Applicants who possess a Bachelor's degree from an accredited institution are not required to meet all degree requirements. Please contact the counseling department for details.

All students should review academic preparation with the counseling department prior to submitting application to the program in order to ensure that all requirements have been met.

How to Apply to the VN Program
Those interested in applying to the VN program should review the program website for general information, application materials, and important deadline information. For additional information contact the Nursing Program Office at Nursing@siskiyous.edu or call 530.841.5929.

Applicants to the VN program must meet admission requirements and complete all prerequisites and other course requirements prior to submitting an application. Applicants will be notified of acceptance during the preceding semester prior to enrollment.

Admission to the program is based on a first come, first served basis. Specific application submission instructions must be followed. See the website for details.

All students should review academic preparation with the counseling department prior to submitting application to the program in order to ensure that all requirements have been met.

How to Apply to the CNA Program
Enrollment for the CNA program is based on a first come, first served basis and requires enrollment in the course. Students must meet enrollment criteria. For more information, contact the Nursing office at 530.841.5929.
Special Instructions for students participating in clinical activities (deadlines vary, read documents carefully):

1. Students enrolled in the nursing programs must provide their own transportation to clinical agencies and home visits including out-of-town sites.

2. Students must demonstrate proof of required immunizations and of completion of at least the first two in the series of three vaccinations for Hepatitis B or immunity to Hepatitis B or signature on a form declining to be vaccinated. Proof of the third vaccination in the series must be provided by completion of the first semester for LVN and RN students.

3. Submit a completed physical examination form with evidence of required immunizations and tuberculosis screening. Some programs require a two-step screening process. Review documents carefully. (TB screening must be updated every 12 months).

4. Prior to admission a student must show proof of CPR certification (American Heart Association Healthcare Provider required—NO alternative cards are accepted) and must maintain a current certification throughout the program.

5. The Joint Commission requires hospitals to have a process to ensure that a person’s qualifications are consistent with his or her job responsibilities (standard H.R. 1.20). As a result, hospitals are required to have the same standard for students as they would for their staff. To meet this requirement, all students who participate in clinical rotations must submit proof of background screening, as outlined in application materials, which includes drug screening and a criminal background check as part of the admission process. Please schedule an appointment with the Director of Nursing if you have questions/concerns regarding a criminal conviction.

6. Malpractice Insurance as provided by the College.

7. Students must complete each course in the nursing programs with a grade of “C” or better in order to progress to the next course in the sequence. Students must progress through the nursing courses in the prescribed sequence outlined for each program. Nursing courses may be repeated only once. Repetition will be accommodated only on a space available basis.

Expenses
Students should be prepared for various expenses including supplies, books, ATI Testing materials, uniforms, white shoes, watch with a second hand, stethoscope, penlights, immunizations, physical examination, corporate screening, NCLEX exam and licensure fees.

Associate in Science Degree Nursing – LVN to RN Step-Up (ADN)

The Associate Degree Nursing – LVN-RN Step-Up Program admits a new class every year beginning with the transition course (NURS 1021). After completing the three-unit Role Transition course, the program consists of two more full time semesters. Classroom and simulation laboratory instruction is offered concurrently with clinical experience. The curriculum has been organized under the standards mandated by the State of California Board of Registered Nursing.

The Associate Degree (LVN-RN Step Up) Nursing curriculum is designed to prepare students to participate in the National Council Licensure Examination—Registered Nursing (NCLEX-RN). Upon successful completion of the examination, the student becomes a Registered Nurse (R.N.).

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing.

Board of Registered Nursing
1747 North Market Blvd, Ste. 150
Sacramento, CA 95834
Phone: 916.322.3350

LVN – RN Step-Up Admission Requirements:
1. Program Prerequisites
   - High School graduate or equivalent
   - Graduate of an accredited vocational nursing program
   - Official college transcripts
   - Proof of active LVN license (copy)
   - Minimum cumulative GPA of 2.5 for all college coursework
   - Completion of the LVN to RN Course and General Education Courses listed below.

2. Course Prerequisites
   Applicants must have a minimum GPA of 2.5 for Human Anatomy, Human Physiology, and Microbiology with no grade less than a “C” for each course and no more than one repetition for any of the three Biology courses.

   Minimum grade of “C” required for the following courses:
   - BIO 2600 – Microbiology (4)
   - BIO 2700 – Human Anatomy (4)
   - BIO 2800 – Human Physiology (5)
   - ENGL1001 – College Composition (3)

3. General Education Courses
   Completion with a grade “C” or better:
   - Sociology - Complete one of the following:
     SOC 1001 – Introduction to Sociology (3)
     SOC 1002 - Social Problems (3)
   - Psychology - Complete one of the following:
     PSY 1001 – General Psychology (3)
   - Communication Studies - Complete one of the following:
     COMS 1100 – Public Speaking (3)
     COMS 1200 – Small Group Communication (3)
     COMS 1300 – Interpersonal Communication (3)
   - Mathematics - Complete one associate degree applicable Mathematics course; minimum 3 units
   - Arts & Humanities - Complete one IGETC Area 3 Arts & Humanities course. (3)
   - Diversity - Enrollment and completion of LVN-RN Step-Up Program satisfies this requirement. (3)
   - Physical Education/Wellness - Enrollment and completion of LVN-RN Step-Up Program meets one unit of this requirement. Complete another 1 unit from one of the following areas: PEAC, PEFI, or THEA 1230, 1310, 1305. (2)

Total Prerequisite and General Education units: 32
Nursing

Associate of Science Degree Major Requirements

Summer Session:
NURS 1021 – Role Transition (3)

Students enrolled in 1021 are strongly encouraged to complete COS or other approved IV Certification class prior to start of NURS 1031, 1032.

First Semester:
NURS 1031 – Community Mental Health Nursing (5.5)
NURS 1032 – Intermediate Medical Surgical Nursing (6.5)

Second Semester:
NURS 1541 – Advanced Maternal Child Nursing (4.5)
NURS 1542 – Advanced Medical Surgical Nursing (6.5)

Support Courses:
NURS 2929 – Special studies (1-2)
NURS 2949 – Work Experience (0.5-8)

Total Nursing Course Units: 27
LVN Credit: 16
Total Nursing Major Units: 43

Total Units for LVN – RN Step-up Degree: 75

All courses must be completed with a grade of C or better.

CHALLENGE, TRANSFER, and OTHER LVN OPTIONS
(30-Unit Option)
Licensed vocational Nurses (LVNs) and other health care workers may be able to obtain placement in the nursing program on a space available basis through challenge exams, portfolio assessment, and credit for equivalent courses or experience. Any student granted credit for previous education and/or experience shall be expected to enroll in at least the final semester of the associate degree nursing program regardless of the number of clinical hours previously completed in another program. Students should make an appointment to see a COS counselor to discuss options.

LVN 30-Unit Option – Licensed Vocational Nurses wishing to meet Board of Registered Nursing requirements only, must complete twenty-one units of nursing and nine units of sciences, including physiology and microbiology. Students should make an appointment to see the Nursing Director to discuss the details of the 30-unit option.

Associate in Science Degree
Licensed Vocational Nursing

The Licensed Vocational Nursing (LVN) Program at College of the Siskiyous is a full-time, three-semester course. There is a three-month summer vacation. Classroom instruction is offered concurrently with clinical experience.

For an Associate Degree, students must complete the required Vocational Nursing courses and additional units in general education. Please refer to the Associate Degree Graduation Requirements and General Education Requirements sections for a list of acceptable courses. It is strongly recommended that you make an appointment with a COS counselor for appropriate General Education units and requirements and if the intention is to apply to the LVN to RN Step-Up Program.

LVN students who successfully complete the first semester of the vocational nursing program are also eligible to take the state exam for CNA.

The Licensed Vocational Nursing program is fully accredited by the California Board of Vocational Nurse and Psychiatric Technicians.
California Board of Vocational Nurse and Psychiatric Technicians
2535 Capitol Oaks Drive, Suite 205
Sacramento, California 95833
Phone: 916.263.7800

Prerequisite Admission Requirements:
- Students must be at least 17 years of age by the time of the licensure exam
- Eligibility for MATH 0850 or MATH 0851 by either successfully completing MATH 0830 OR through the assessment process (0-4 units)
- Completion of ENGL 0900 or qualification through assessment
- Official college transcripts
- Official high school transcripts (or GED or equivalent) or official Associate Degree transcripts

Prerequisite Courses
- BIO 2700 - Human Anatomy (4)
- FCS 1011 - Nutrition (3)
- NURS 1045 - Medical Terminology (3)

Total Prerequisite Units: 10-18

Associate of Science Degree LVN Major Requirements
NURS 0951 – Vocational Nursing – First Semester (15)
NURS 0952 – Vocational Nursing – Second Semester (15)
NURS 0953 – Vocational Nursing – Third Semester (14)

Total LVN Major Units: 44

Support Courses:
- NURS 0851 – Clinical Skills Practice I (0.5)
- NURS 0852 – Clinical Skills Practice II (0.5)
- NURS 0853 – Clinical Skills Practice III (0.5)
- NURS 0966 – IV Therapy & Blood Withdrawal (1.5)
- NURS 2929 – Special Studies (1-2)

All courses must be completed with a grade of C or better to proceed to subsequent courses.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Credit may be given for prior education in a secondary school accredited by the Department of Education in any state or by a nationally recognized regional accrediting body and experience in nursing related fields. Challenge examinations or other methods of evaluation will be used.
Certificates of Achievement

Vocational Nursing

Prerequisite Courses
BIO 2700 – Human Anatomy (4)
FCS 1011 – Nutrition (3)
NURS 1045 – Medical Terminology (3)

Requirements for the Major
NURS 0951 – Vocational Nursing – First Semester (15)
NURS 0952 – Vocational Nursing – Second Semester (15)
NURS 0953 – Vocational Nursing – Third Semester (14)

Total Units Required for the Certificate: 54

Support Courses:
NURS 0851 – Clinical Skills Practice I (0.5)
NURS 0852 – Clinical Skills Practice II (0.5)
NURS 0853 – Clinical Skills Practice III (0.5)
NURS 0966 – IV Therapy & Blood Withdrawal (1.5)
NURS 2929 – Special Studies (1-2)
NURS 2949 – Work Experience (0.5-8)

All courses must be completed with a grade of C or better.

Certificates
Certified Nurse Assistant

The Certified Nurse Assistant (CNA) course is a combination of 180-hours of theory and clinical experience. Classes are held on campus and clinical experience is provided at various health care facilities in Weed and Mt. Shasta.

The Nursing Assistant Certification course is approved by the Department of Health Services.

Department of Health Services
Licensing & Certification
1615 Capitol Avenue, MS 3301
PO Box 997416
Sacramento, California 95899-7416
Phone: 916.327.2445 Fax: 916.552.8785

Prerequisite Admission Requirements:
- Live scan criminal background check and drug screening
- Must be at least 16 years of age
- Pass a physical examination and complete required immunizations
- Current American Heart Association Health Care Provider CPR card

Prerequisites:
- Students must demonstrate English comprehension at the sixth grade level or higher
- ENGL 0800 or qualification through assessment

Requirements for the certificate
NURS 9062 – Certified Nurse Assistant (6)

Total Units Required for Certificate: 6

The course must be completed with a grade of C or better.

Upon successful completion of the program, students are eligible to take the state competency exam for certification.

Courses

NURS 0851
CLINICAL SKILLS PRACTICE I
0.5–1 unit, 27–54 lab hours
Pass/No Pass
Corequisite: NURS 0951

This course provides additional lab time for skills practice in a supervised setting. It provides an opportunity for the student to prepare for skills testing, skills remediation, updating of skills, and refinement of skills as the student progresses toward program completion. (NDA)

NURS 0852
CLINICAL SKILLS PRACTICE II
0.5–1 unit, 27–54 lab hours
Pass/No Pass
Corequisite: NURS 0952

This course provides additional lab time for skills practice in a supervised setting. It provides an opportunity for the student to prepare for skills testing, skills remediation, updating of skills, and refinement of skills as the student progresses toward program completion. (NDA)

NURS 0853
CLINICAL SKILLS PRACTICE III
0.5–1 unit, 27–54 lab hours
Pass/No Pass
Corequisite: NURS 0953

This course provides additional lab time for skills practice in a supervised setting. It provides an opportunity for the student to prepare for skills testing, skills remediation, updating of skills, and refinement of skills as the student progresses toward program completion. (NDA)

NURS 0951
VOCATIONAL NURSING – FIRST SEMESTER
15 units, 144–162 lecture hours / 288–324 lab hours
Graded
Prerequisite: BIO 2700, ENGL 0900 or qualification through assessment, FCS 1011, MATH 0830 or qualification through assessment, and NURS 1045
Advisory: NURS 0851

This course is designed to prepare the student for beginning practice in nursing care. Fundamental concepts in the nature of nursing, the nature of humans, and components of self-care are emphasized and applied to nursing practice. This course provides comprehensive coverage of basic skills required to practice vocational nursing. (AA)
**NURS 0952**  
**VOCATIONAL NURSING – SECOND SEMESTER**  
15 units, 144–162 lecture hours / 288–324 lab hours  
Graded  
Prerequisite: NURS 0951  
Advisory: NURS 0852

This course will allow the student, under direct supervision, to participate as a member of the health care team, to understand and implement patient plans of care, to provide emotional support, to implement health teaching, and to communicate with patients and their significant others. It allows the student to progress from the basic to the more complex medical-surgical nursing care of adults and children, and expand the skills necessary for safe and competent vocational nursing. (AA)

**NURS 0953**  
**VOCATIONAL NURSING – THIRD SEMESTER**  
14 units, 128–144 lecture hours / 288–324 lab hours  
Graded  
Prerequisite: NURS 0952  
Advisory: NURS 0853

This course provides the final sequence of instruction and clinical experience necessary to prepare the student for entry level practice as a vocational nurse. New skills and knowledge are presented as well as opportunities to perfect previously learned skills and apply accumulated nursing theory during the clinical rotation. At the completion of this course the student will be eligible to take the national examination for licensure. (AA)

**NURS 0966**  
**INTRAVENOUS THERAPY AND BLOOD WITHDRAWAL**  
1.5 units, 24–27 lecture hours / 8–9 lab hours  
Graded  
Prerequisite: LVN or RN License or concurrent enrollment in NURS 0953

This course provides instruction for graduate vocational nursing students, third semester vocational nursing students, licensed vocational nurses, and registered nurses in the proper procedures to follow in starting and maintaining intravenous fluids as well as techniques in blood withdrawal. At the completion of the course, those who have met eligibility and course completion requirements will receive a certificate in IV Therapy/Blood Withdrawal issued through the Board of Vocational Nurse and Psychiatric Technicians. (AA)

**NURS 1021**  
**LVN-RN STEP-UP ROLE TRANSITION**  
3 units, 32–36 lecture hours / 48–54 lab hours  
Graded  
Prerequisite: Admission into the Associate Degree Nursing Program (LVN–RN Step-Up), and an active LVN license, BIO 2700, BIO 2800, BIO 2600, and ENGL 1001. Students must follow application admission process and meet all admission criteria

This course is designed for the LVN who is transitioning into the role of RN (Registered Nurse). Theory and application of concepts of physical assessment, the nursing process, critical thinking, the relationship of homeostatic mechanisms to fluids and electrolytes and nursing competencies in the professional roles of clinician, teacher, leader and advocate will be presented. This course provides an opportunity for the LVN to practice and develop new, or reinforce previously learned, skills and procedures necessary for advanced placement. (AA, CSU)

**NURS 1031**  
**LVN-RN STEP-UP COMMUNITY MENTAL HEALTH NURSING**  
5.5 units, 48–54 lecture hours / 120–135 lab hours  
Graded  
Prerequisite: NURS 1021  
Corequisite: NURS 1032

An introduction to Mental Health Nursing emphasizing geriatrics, this course builds on previous knowledge. Emphasis includes professional role of the nurse in promotion of psychosocial integrity, therapeutic interactions, bio-psychosocial rehabilitation, therapeutic use of self and utilization of community resources. Skills are fostered in management, quality assessment and nurses as change agents. Varied value systems, self-analysis and health care team collaboration are explored. Clinical experiences provide opportunities for student participation in therapeutic activities related to theory. (AA, CSU)

**NURS 1032**  
**LVN-RN STEP-UP INTERMEDIATE MEDICAL SURGICAL NURSING**  
6.5 units, 48–54 lecture hours / 168–189 lab hours  
Graded  
Prerequisite: NURS 1021  
Corequisite: NURS 1031

In Intermediate Medical Surgical Nursing, the student will synthesize and correlate nursing knowledge and skills in providing care to two to four patients during the semester who have complex, multi-system illnesses. Students learn to anticipate and prioritize patient needs and evaluate outcomes. The student will utilize communication techniques to provide health teaching and illness prevention information to patients with complex medical-surgical diseases. Psychomotor skills will be integrated and practiced. (AA, CSU)

**NURS 1045**  
**MEDICAL TERMINOLOGY**  
3 units, 48–54 lecture hours  
Graded  

This course introduces the student to the fundamentals of medical word building as well as terms related to specific body systems. Emphasis is placed upon pronunciation, spelling, anatomical, pathological, surgical, and diagnostic terminology. This course is designed for pre-nursing students, health care clerical support staff, nursing assistants, and others desiring a basic knowledge of medical terminology and how the body works. (AA, CSU)
NURS 1047  
CAREER PATHWAYS IN HEALTH I  
2 units, 32-36 lecture hours / 16-18 lab hours  
Graded  
This is the first of two courses that introduce students to the various aspects of the health care industry. Students will have the opportunity to explore a number of health related disciplines, practice associated entry level skills, and compare educational requirements and job opportunities. On completion of the course, students will have learned to make informed health, educational, and career choices. (AA, CSU)

NURS 1048  
CAREER PATHWAYS IN HEALTH II  
1.5 units, 16-18 lecture hours / 32-36 lab hours  
Graded  
Prerequisite: NURS 1047  
In Career Pathways in Health II students will continue their exploration into the healthcare industry and apply knowledge and skills from Career Pathways in Health I through spending 12 hours within various healthcare disciplines in the clinical setting. Students will be introduced to basic human anatomy and physiology, tested on basic entry level skills for the healthcare professional, and will receive guest lectures from healthcare professionals in the various specialties. (AA, CSU)

NURS 1131 (For 30 unit option students)  
LVN-RN MENTAL HEALTH AND GERIATRIC NURSING  
5 units, 48-54 lecture hours / 96-108 lab hours  
Graded  
Prerequisite: NURS 1021 and Prerequisite Approval by Department  
Corequisite: NURS 1032  
This course provides an introduction to Mental Health Nursing with a special emphasis on the older adult. This course builds on previous medical-surgical knowledge and skills in applying the nursing process to promote psychosocial integrity within the context of the health illness continuum across the life span. Throughout the course Gerontological Nursing theory is incorporated. Emphasis includes the professional role of the nurse in providing therapeutic interactions and communications, bio-psychosocial rehabilitation and therapeutic use of self as well as assisting individuals in locating and using appropriate community resources. Skills will be fostered in the area of management, quality assessment and the nurse as a change agent. Varied value systems, self-analysis and health care team collaboration will be explored along with personal professional developmental issues. Clinical experiences will provide opportunities for students to participate in therapeutic activities in a variety of community and mental health settings. (AA, CSU)

NURS 1541  
LVN-RN STEP-UP ADVANCED MATERNAL CHILD NURSING  
4.5 units, 32-36 lecture hours / 120-135 lab hours  
Graded  
Prerequisite: NURS 1021, NURS 1031, and NURS 1032  
Corequisite: NURS 1542  
This course focuses on advanced concepts in caring for high risk child-bearing and child-rearing families. Concepts emphasized include family communications, teaching, nursing process, critical thinking, legal-ethical issues and patient advocacy. Emphasis will be on nursing interventions to prevent or decrease risk factors associated with the child bearing families. (AA, CSU)

NURS 1542  
LVN-RN STEP-UP ADVANCED MEDICAL SURGICAL NURSING  
7.5 units, 64-72 lecture hours / 168-189 lab hours  
Graded  
Prerequisite: NURS 1021, NURS 1031 and NURS 1032  
Corequisite: NURS 1541  
This course focuses on advanced application of the nursing process in care of critically ill, high acuity adult patients. The student organizes and discriminates data to establish priorities of care, utilizes critical thinking, and manages multiple patient assignments. Content includes leadership theory and application, delegation, prioritization, time management, and transitioning from student nurse role to that of registered nurse. (AA, CSU)

NURS 2929  
SPECIAL STUDIES  
1-2 units, 54-108 lab hours  
Graded  
Opportunity for students to do an independent study of a selected aspect of vocational nursing. (AA,CSU)

NURS 2949  
WORK EXPERIENCE  
0.5-8 units, 30-600 lab hours  
Graded  
Occupational Work Experience is supervised employment extending classroom-based occupational learning at an on-the-job learning station relating to the student’s educational or occupational goal. One work experience credit can be awarded for 60 hours of unpaid work or 75 hours of paid work. Students can earn a maximum of 16 semester units, 0.5-8 units/semester. This course may be taken for credit a total of four times. (AA,CSU)

NURS 9062  
CERTIFIED NURSE ASSISTANT  
6 units, 64-72 lecture hours / 120 other hours  
Graded  
Prerequisite: ENGL 0800 or qualification through assessment.  
Students must follow application admission process and meet all admission criteria  
This course offers the theory of clinical experience for students to acquire the skills and knowledge necessary for the state certification examination for Certified Nurse Assistant. (NDA)
NURS 9063
HOME HEALTH AIDE (FOR CERTIFIED NURSE ASSISTANTS)
1.5 units, 18 lecture hours / 32 lab hours
Graded
The theory and laboratory experiences required for state-certified nursing assistants to become eligible for home health aid certification. Content will include: orientation to home health care, personal care of clients including medical and social needs; nutrition, safety, and cleanliness in the home. (NDA)

NURS 9067
IN HOME CAREGIVER
1 unit, 16-18 lecture hours
Graded
This course is designed to provide the non-professional caregiver with basic caregiving skills, introduction to the aging process, and enhanced awareness of community resources available to help both the patient and the caregiver meet the challenges of providing safe, effective, and self-rewarding care. (NDA)

Philosophy

General Description
This program provides a structured system of study for students seeking an associate degree in philosophy or transferring to a four-year university program in philosophy. The discipline of philosophy provides students with not only a historical understanding of human culture, but also with training in the art of thinking. Philosophy leads students to develop the ability to comprehend, analyze, and reason about abstract ideas, and this ability carries over to everyday life and future careers. Philosophy majors do very well in admission to law and medical schools. Philosophy majors are eligible for the same careers as other liberal arts majors, and the major serves as a sound basis for specialization in other disciplines. Finally, and perhaps most importantly, the study of philosophy can have a considerable impact on the student's personal life.

Degree/Certificate Options
Associate in Arts Degree
Philosophy

Requirements for the Major
Complete two of the following:
PHIL 1001 – Introduction to Philosophy (3)
PHIL 1003 – Ethics (3)
PHIL 1004 – Critical Reasoning (3)
Complete three of the following:
HIST 1004 – Western Civilization to 1600 (3)
HIST 1005 – Western Civilization since 1600 (3)
PHIL 1009 – Philosophy of Religion (3)
PHIL 1010 – History of Ancient and Medieval Philosophy (3)
PHIL 1011 – Modern and Contemporary Philosophy (3)
PHIL 1020 – World Religions: Western Cultures (3)
PHIL 1021 – World Religions: Eastern Cultures (3)
Complete one of the following:
PHIL 1012 – Philosophy of Science and Religion (3)
HUM 1001 – Introduction to Humanities (3)
PHIL 1014 – Philosophy of Love, Sex, and Marriage (3)
PHIL 1015 – Philosophies of Non-Violence (3)
Total Major Units: 18

All courses must be completed with a grade C or better.

Courses

PHIL 1001
INTRODUCTION TO PHILOSOPHY
3 units, 48-54 lecture hours
Graded
This class introduces students to major Western philosophical issues and methodologies. It is a chronological presentation of archetypical philosophers' thought concerning knowledge, reality and values. Topics include the sources and limits of knowledge, the nature of reality and self, and examination of fundamental beliefs about ethics, religion, science, language, art, society, politics, and the meaning of life. (AA, CSU, UC)

PHIL 1003
ETHICS
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 1001
This course is an examination of the basic concepts of morality and values, representative ethical theories and their application to important contemporary moral problems. Topics may include abortion, suicide, euthanasia, gun control, homosexuality, affirmative action, capital punishment, cloning humans and other biotech issues, the war on drugs, terrorism and our reponsibilities to the environment. (AA,CSU,UC)
PHIL 1004
CRITICAL REASONING
3 units, 48-54 lecture hours
Graded

This course provides students with instruction and experience in recognizing, analyzing, evaluating, and constructing arguments relevant to politics, advertising, economics, current affairs, and everyday pressures to accept and act on ideas. Emphasis will be on logical fallacies, language, emotion, statistics, induction, and deduction. (AA, CSU, UC)

PHIL 1009
PHILOSOPHY OF RELIGION
3 units, 48-54 lecture hours
Graded

This course investigates the nature of various religious experiences, the emotional and psychological elements of religious belief, religious faith versus reason and the power of religious language. Arguments for and against God's existence, the problem of evil and other related philosophical issues will also be addressed. (AA, CSU, UC)

PHIL 1010
HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY
3 units, 48-54 lecture hours
Graded

Western philosophical thought from pre-Socrates through St. Thomas Aquinas, including schools and figures such as Atomism, Plato, Aristotle, Skepticism, Stoicism, Neoplatonism, Muslim, and Christian philosophy. (AA, CSU, UC)

PHIL 1011
MODERN AND CONTEMPORARY PHILOSOPHY
3 units, 48-54 lecture hours
Graded

This course studies the history of modern and Western philosophy from the Renaissance through Postmodernism, including rationalism, romanticism, pragmatism, and existentialism. (AA, CSU, UC)

PHIL 1012
PHILOSOPHY OF SCIENCE AND RELIGION
3 units, 48-54 lecture hours
Graded

This course surveys the main issues in the interaction between science and religion. Topics include the nature of science and the scientific method, religion and religious worldviews, physics and Big Bang cosmology, evolution and genetics and implications for religious beliefs, models of interaction between science and religion, and recent research and scholarship in the science-religion debate. (AA, CSU, UC)

PHIL 1014
PHILOSOPHY OF LOVE, SEX, AND MARRIAGE
3 units, 48-54 lecture hours
Graded

This course is a dialogical exploration of philosophical reflection on the meaning of love, sexuality, and intimate relationships, drawing from Western and Eastern traditions, and analysis of their political, social, and ethical issues. (AA, CSU, UC)

PHIL 1015
PHILOSOPHIES OF NON-VIOLENCE
3 units, 48-54 lecture hours
Graded

Advisory: ENGL 0900

This course introduces students to the ideas and philosophies of non-violence. It is holistic, gender fair, racially neutral, interdisciplinary and diverse. Non-violent dispute resolution and peer mediation will be studied and practiced. The lives and works of twelve peacemakers of the twentieth century will serve as role models. (AA, CSU, UC)

PHIL 1020
WORLD RELIGIONS: WESTERN CULTURES
3 units, 48-54 lecture hours
Graded

Advisory: ENGL 1001

Introduction to the monotheistic religious traditions of the West and how they relate to culture and social life. Includes the history and teaching of Judaism, Christianity and Islam. (AA, CSU, UC)

PHIL 1021
WORLD RELIGIONS: EASTERN CULTURES
3 units, 48-54 lecture hours
Graded

Advisory: ENGL 1001

Introduction to the major traditional religions of India, China and Japan and how they relate to philosophy, culture and social life. Some of the philosophies to be covered include Vedanta, Yoga, Buddhism, Taoism and Confucianism. (AA, CSU, UC)

PHIL 2929
SPECIAL STUDIES
1-2 units, 54-108 lab hours
Graded

This independent study course provides an opportunity for students to do guided reading on selected topics in philosophy and produce a research project. (AA, CSU)
Physical Education – Athletic Training

**General Description**
Athletic training is an allied health care profession that is certified by the Board of Certification (BOC). Athletic trainers are health care professionals who collaborate with physicians and other medical professionals to optimize activity and participation of patients and clients. Athletic training encompasses the prevention, diagnosis, and intervention of emergency, acute, and chronic medical conditions involving impairment, functional limitations, and disabilities.

**Program Learning Outcomes**
Upon successful completion of this program, the student should be able to:

- Understand and apply techniques associated with Athletic Injury Prevention and Risk Management.
- Demonstrate techniques associated with the Recognition, Evaluation and Assessment of Injuries and Illnesses.
- Employ skills needed for the Immediate Care of Injuries.
- Practice skills associated with the Treatment, Rehabilitation and Reconditioning of athletic injuries.
- Explain Health Care Organization and Administration needs in the athletic training setting.

**Career Options**
The following list is a sample of the many options available for the athletic training major: Certified Athletic Trainers are employed in secondary schools, intercollegiate athletics, professional athletics, sports medicine clinics, the military, the sets and stages of the movie and music industries, professional dance settings, industrial and commercial settings, hospitals, and health clubs. Certified Personal Trainers are employed in public and private fitness centers, athletic venues and sport-specific training centers, spas and rejuvenation centers, public and private schools, college recreation centers, hospital based wellness centers, resorts and cruise lines.

**Degree/Certificate Options:**

**Associate in Science Degree**

**Athletic Training**

**Certificates**

**Personal Trainer**

**Associate in Science Degree**

**Athletic Training**

The goal of the A.S. Degree in Athletic Training program at College of the Siskiyous is to provide the basic course work and valuable hands-on clinical experiences to students in order for them to transfer to a four-year institution with an accredited athletic training program as academically prepared third-year students.

Certified Athletic Trainers are health care professionals who specialize in preventing, recognizing, managing, and rehabilitating injuries that result from physical activities. Students must earn a bachelor's degree from an accredited athletic training program to become Certified Athletic Trainers. Accredited four-year programs include formal instruction in areas such as Injury/Illness Prevention and Wellness Protection, Clinical Evaluation and Diagnosis, Immediate and Emergency Care, Treatment and Rehabilitation, Organizational and Professional Health and Well-being.

**Requirements for the Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 2700</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 2800</td>
<td>Human Physiology</td>
<td>5</td>
</tr>
<tr>
<td>FCS 1011</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HEA 1010</td>
<td>Health in Action</td>
<td>3</td>
</tr>
<tr>
<td>PEMA 1035</td>
<td>Introduction to Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>PEMA 1036</td>
<td>Clinical Experiences in Athletic Training</td>
<td>1.5</td>
</tr>
<tr>
<td>PEMA 1039</td>
<td>Certified Personal Trainer</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Units: 22.5**

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach a minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

**Certificate**

**Personal Trainer**

The Personal Trainer Certificate prepares students to enter the field of personal training/athletic training. Certified Personal Trainers are primarily responsible for determining the safest and most effective program activities for clients, based on interview, screening, assessment and evaluation, and then implementing the appropriate program components and strategies by instructing, managing, and educating their clients for health and fitness improvements (NCSF, 2006). The specific job tasks of a Certified Personal Trainer and their supportive qualifying competencies are defined by the scope of the profession document. The scope of practice creates the boundaries of expertise and delineates the minimum competency requirements necessary for safe and effective professional activity.
Upon successful completion of this certificate, the student should be able to:

- Design and participate in a fitness testing activity program and assess the results.
- Apply functional anatomy, physiology, and biomechanics in constructing a fitness program for individuals using results from fitness testing techniques.
- Explain alterations necessary for fitness programs designed for youth, adolescent, elderly, and special needs populations.

Requirements for the Certificate

- BIO 2700 – Human Anatomy (4)
- FCS 1011 – Nutrition (3)
- HEA 1010 – Health in Action (3)
- PEMA 1035 – Introduction to Athletic Training (3)
- PEMA 1039 – Certified Personal Trainer (3)

Total Certificate Units: 16

Upon successful completion of PEMA 1039 (Certified Personal Trainer) the student will be eligible to sit for the National Council on Strength and Fitness certification examination.

Program Learning Outcomes

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

- Synthesize knowledge of major facts and concepts of physical fitness.
- Demonstrate and apply practical techniques for assessing one’s own fitness status and goals.
- Identify the potential risks as well as benefits associated with physical activity.
- Develop skills necessary/appropriate to successfully perform their activity.

Career Options

The following list is a sample of the many options available for the Physical Education–Kinesiology major. Possible career options include: fitness trainer, personal trainer, physical therapy, sports medicine, athletic training, exercise physiology, coaching, pedagogy, wellness director, strength and conditioning coaching, and biomechanics.

Degree/Certificate Options:

Associate in Science Degree – Physical Education

Physical Education – Kinesiology

Associate in Science Degree – Physical Education

Physical Education – Kinesiology

Physical Education provides opportunities for students to gain current knowledge of physical fitness facts, healthful living practices, leisure time pursuits, stress management techniques, and to receive instruction in the skills necessary for successful participation in activities necessary for optimum health and physical efficiency. The profession is based on the philosophy that physical education is an academic discipline, an essential portion of the General Education process. The physical education curriculum is centered on the concept that movement skills, intellectual development, physical fitness and healthful living practices are elements of life that must be taught and reinforced. Specific knowledge, skills and practice techniques that best benefit the student do not just happen. Instruction, analysis, and evaluation by a credentialed professional are essential for implementing this philosophy.

Requirements for the Major

Complete the following:

- BIO 2700 – Human Anatomy (4)
- BIO 2800 – Human Physiology (5)
- HEA 1010 – Health in Action (3)
- PEMA 1030 – Principles of Physical Fitness and Wellness (3)
- PEMA 1035 – Introduction to Athletic Training (3)

Complete 6 additional units of PEAC, PEFI, or PEMA courses (6)

Total Major Units: 24

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Courses – Physical Education/Activity

PEAC 1004
BEGINNING BASKETBALL
1 unit, 48–54 lab hours
Graded

This course is in beginning basketball skills. Shooting, free throw, rebounding, and defensive techniques will be developed through competitive group and individualized situations. UC transfer credit limitations. (AA,CSU,UC)
Physical Education - Athletic Training, Physical Education - Kinesiology

PEAC 1007
BEGINNING VOLLEYBALL
1 unit, 48-54 lab hours
Graded
This is a course in the beginning to intermediate volleyball skills. Included are the following fundamental skills: rules of the game, serve pass, set, spike, and block. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1008
BEGINNING BOWLING
1 unit, 48-54 lab hours
Graded
This course provides instruction in the fundamentals skills and techniques of bowling. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1024
BEGINNING TENNIS
1 unit, 48-54 lab hours
Graded
This course provides instruction in the basic stroke technique, court movement, rules, code, and etiquette through skill-based instruction. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1048
BEGINNING BOXING
2 units, 96-108 lab hours
Graded
This course provides instruction in the techniques of the sport of boxing. Students learn strategies, etiquette, rules, physical and mental skills necessary in participating in the sport of boxing. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1104
INTERMEDIATE BASKETBALL
1 unit, 48-54 lab hours
Graded
Prerequisite: PEAC 1004
This course is in advanced basketball skills. Advanced offensive and defensive strategies will be incorporated into shooting, free throw, rebounding, offensive and defensive techniques. These advanced skills will be developed through competitive group situations. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1107
INTERMEDIATE VOLLEYBALL
1 unit, 48-54 lab hours
Graded
Prerequisite: PEAC 1007
This course is in the intermediate to advanced skills of volleyball. Included are the following Intermediate skills: serve pass, set, spike, and block. Students will also be instructed in rotation of players as well as strategies of the game. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1108
INTERMEDIATE BOWLING
1 unit, 48-54 lab hours
Graded
Prerequisite: PEAC 1008
This intermediate bowling class will teach students how to execute basic stance, approach, delivery, and releases in bowling. It will also help students to identify potential health risk associated with participating in the sport of bowling. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1124
INTERMEDIATE TENNIS
1 unit, 48-54 lab hours
Graded
Prerequisite: PEAC 1024
This course provides instruction in improving stroke technique, court movement, rules, code, and etiquette through skill-based instruction. It is intended for intermediate level or above players. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1148
INTERMEDIATE BOXING
2 units, 96-108 lab hours
Graded
Prerequisite: PEAC 1048
This course provides intermediate instruction in the skills, strategies, and techniques of the sport of boxing. Students learn strategies, etiquette, rules, physical and mental skills necessary to the sport of boxing. UC transfer credit limitations. (AA,CSU,UC)

PEAC 1204
INTERMEDIATE BASKETBALL
1 unit, 48-54 lab hours
Graded
Prerequisite: PEAC 1104
This course is in advanced basketball skills. Advanced offensive and defensive strategies will be incorporated into shooting, free throw, rebounding, offensive and defensive techniques. These advanced skills will be developed through competitive group situations. UC transfer credit limitations. (AA,CSU,UC)

Courses—Physical Education/Fitness

UC credit limitation: A maximum of 4 units of PEAC, PEFI, and PEMA activity courses and a maximum of 8 units of athletics theory courses will transfer to the University of California campuses.

PEFI 1001
BEGINNING WATER EXERCISE
1 unit, 48-54 lab hours
Graded
This beginning water exercise fitness course is designed to develop muscular strength, endurance, and flexibility, as well as cardiovascular endurance through low impact water resistance. UC transfer credit limitations. (AA,CSU,UC)
PEFI 1002
BEGINNING CIRCUIT WEIGHT TRAINING
1 unit, 48-54 lab hours
Graded
This course is designed to promote physical fitness through circuit weight training. The components of physical fitness and risk factor analysis will be examined. Fitness assessments will be used to examine fitness levels. Participation in a weekly circuit training program is required. UC transfer credit limitations. (AA,CSU,UC)

PEFI 1006
BEGINNING STRENGTH TRAINING
1 unit, 48-54 lab hours
Graded
This course is designed to promote physical fitness through strength training. This is a beginning strength training course that will focus on the basic principles of strength training and the basic concepts of fitness. Participation in a weekly strength training program is required. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1008
BEGINNING CARDIORESPIRATORY FITNESS
1 unit, 48-54 lab hours
Graded
This course provides an introductory approach to cardiovascular training programs utilizing traditional methods and equipment including stationary cycling, step aerobics, elliptical machines, treadmills, walking, and jogging to increase cardiorespiratory fitness and efficiency. The principles and methods of cardiorespiratory fitness will be examined. UC transfer credit limitations. (AA,CSU,UC)

PEFI 1025
BEGINNING BODY SCULPTING
1 unit, 48-54 lab hours
Graded
Body sculpting is an integrated approach to fitness that focuses on developing the muscular system. This course is designed to increase strength, balance, core strength, and flexibility. UC transfer credit limitations. (AA,CSU,UC)

PEFI 1026
ADAPTIVE PHYSICAL EDUCATION
1 unit, 48-54 lab hours
Pass/No Pass
This course is designed to provide a safe and appropriate environment in which a person with disabilities can learn physical education concepts and develop physical skills. Additionally, this course helps a student maximize knowledge and abilities within the context of his or her individual circumstances. This course may be taken for credit a total of four times. (AA, CSU, UC)

PEFI 1035
PHYSICAL FITNESS LAB
1 unit, 48-54 lab hours
Pass/No Pass
This course is designed to provide students with the principles and methodologies necessary to developing and maintaining personal fitness. The concepts of physical fitness: cardiorespiratory fitness, muscular strength and endurance, flexibility, body composition and risk factor analysis and management will be examined. Fitness assessments will be used to examine fitness levels and develop a fitness plan. Participation in a weekly fitness program is required. (AA, CSU, UC)

PEFI 1039
BEGINNING YOGA
1 unit, 48-54 lab hours
Graded
This course is designed to develop physical/mental flexibility, strength, and stress management techniques using a mind/body approach. This course will emphasize diaphragmatic breathing techniques and positions used for beginning students. UC transfer credit limitations. (AA,CSU,UC)

PEFI 1044
BEGINNING WALKING FOR FITNESS
1 unit, 48-54 lab hours
Graded
This course is designed to help students acquire an understanding of the benefits of a walking for fitness program. This course focuses on the development and maintenance of cardiorespiratory fitness, weight control, and life-long fitness. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1045
ADAPTIVE AQUATIC CONDITIONING
1 unit, 48-54 lab hours
Pass/No Pass
This course is designed to promote a progressive exercise program to those individuals with physical disabilities whose needs require non-low-impact types of activity, based on an identified fitness plan. It consists of four major components: Muscle strengthening/endurance, cardiovascular conditioning, flexibility/range of motion, and swimming instruction as appropriate. This course may be taken for credit a total of four times. (AA, CSU, UC)

PEFI 1056
BEGINNING OLYMPIC WEIGHT LIFTING
1 unit, 48-54 lab hours
Graded
This course provides instruction in the fundamental techniques, concepts and skills in competitive Olympic Weightlifting. Proper technique in the Clean and Jerk and the Snatch will be the primary focus along with other assistive exercises as well as building these exercises into other sport specific training programs. UC transfer credit limitations. (AA,CSU,UC)
PEFI 1101
INTERMEDIATE WATER EXERCISE
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1001
This course is designed to expand on the beginning water exercise course in order to give students a wide variety of exercise techniques to meet specific goals. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1102
INTERMEDIATE CIRCUIT WEIGHT TRAINING
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1002
This is an intermediate course in circuit weight training. This course is designed to increase overall physical fitness through circuit training. This course will focus on aerobic training and muscular endurance strength training using circuit training principles. This course will also focus on body composition analysis and improvement. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1106
INTERMEDIATE STRENGTH TRAINING
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1006
This course is an intermediate strength training course that focuses on principles and methodologies of strength training. This course also investigates various training programs and requires development and implementation of personal strength training programs. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1108
INTERMEDIATE CARDIORESPIRATORY FITNESS
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1008
This course provides an intermediate approach to cardiovascular training programs utilizing traditional and non-traditional methods and equipment including but not limited to stationary cycling, aerobic dance, step aerobics, elliptical machines, treadmills, jogging, running, jump rope, ladders, dot drills, balls, cylinders, and unstable bases to increase cardiorespiratory fitness and efficiency. The principles and methods of cardiorespiratory fitness will be examined. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1125
INTERMEDIATE BODY SCULPTING
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1025
Intermediate body sculpting is an integrated approach to fitness that focuses on developing the muscular system. This course is designed to increase strength, balance, core strength, and flexibility. Dumbbells, medicine balls, stability balls, bands, and a variety of floor exercises will be used in conjunction with proper breathing, posture, and muscle awareness to increase overall fitness levels. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1139
INTERMEDIATE YOGA
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1039
This intermediate yoga course is designed to develop physical/mental flexibility, strength, and stress management techniques using a mind/body approach. This course will emphasize diaphragmatic breathing techniques and positions used for the intermediate yoga students. This course is a step up in intensity from our beginning yoga course and students must have a baseline level of ability in order to be successful. UC transfer credit limitations. (AA, CSU, UC)

PEFI 1144
INTERMEDIATE WALKING FOR FITNESS
1 unit, 48–54 lab hours
Graded
Prerequisite: PEFI 1044
This course is designed to help students acquire an understanding of the benefits of an intermediate, more vigorous walking for fitness program. This course focuses on the continued development and maintenance of cardiorespiratory fitness, weight control, and lifelong fitness. This walking course will incorporate the use of a variety of settings and techniques in order to increase the workload for the students. UC transfer credit limitations. (AA, CSU, UC)

Courses—Physical Education
Major/Athletics

UC credit limitation: A maximum of 4 units of PEAC, PEFI, and PEMA activity courses and a maximum of 8 units of athletics theory courses will transfer to the University of California campuses.

PEMA 1006
MEN'S VARSITY BASKETBALL
1.5 units, 80–90 lab hours
Graded
This course is the theory and practice of basketball, including intercollegiate competition. May be taken for credit a total of four times. (AA, CSU, UC)

PEMA 1007
MEN'S VARSITY BASEBALL
3 units, 160–180 lab hours
Graded
Competitive baseball on the intercollegiate level. Participation in the Golden Valley Conference. May be taken for credit a total of three times. (AA, CSU, UC)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours</th>
<th>Grading</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEMA 1008</td>
<td>MENS VARSITY FOOTBALL</td>
<td>3</td>
<td>160–180 lab</td>
<td>Graded</td>
<td>The theory and practice of football is covered, including intercollegiate competition. May be taken for credit a total of three times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1010</td>
<td>VARSITY TRACK (COED)</td>
<td>3</td>
<td>160–180 lab</td>
<td>Graded</td>
<td>Techniques of track and field are covered including intercollegiate competition. May be taken for credit a total of three times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1011</td>
<td>VARSITY CROSS COUNTRY (COED)</td>
<td>3</td>
<td>160–180 other</td>
<td>Graded</td>
<td>A course for beginning, intermediate, and advanced level distance runners. Trail running, conditioning, strength training, psychological peak performance, nutrition, race tactics, running physiology and injury prevention are included. Participation in intercollegiate competition is included. May be taken for credit a total of three times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1014</td>
<td>WOMENS VARSITY BASKETBALL</td>
<td>1.5</td>
<td>80–90 lab</td>
<td>Graded</td>
<td>This course is the theory and practice of basketball, including intercollegiate competition. May be taken for credit a total of four times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1015</td>
<td>WOMENS VARSITY VOLLEYBALL</td>
<td>3</td>
<td>160–180 other</td>
<td>Graded</td>
<td>The theory and practice of volleyball is covered and includes intercollegiate competition (open to varsity team candidates, with practice held daily). May be taken for credit a total of three times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1016</td>
<td>WOMENS VARSITY SOFTBALL</td>
<td>3</td>
<td>160–180 lab</td>
<td>Graded</td>
<td>Covers the theory and practice of softball and includes intercollegiate competition. May be taken for credit a total of three times. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1030</td>
<td>PRINCIPLES OF PHYSICAL FITNESS AND WELLNESS</td>
<td>3</td>
<td>48–54 lecture</td>
<td>Graded</td>
<td>An introduction course in the principles of physical fitness and wellness. This course includes sections on the foundations of physical fitness, fitness assessment and evaluation, fitness programming, weight management, nutrition, stress management, and an introduction to dimensions of wellness. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1031</td>
<td>SPORTS OFFICIATING</td>
<td>3</td>
<td>48–54 lecture</td>
<td>Graded</td>
<td>This course includes rules, mechanics and officiating procedures in sports found in intercollegiate, interscholastic, and intramural programs. Practical experience in officiating will be provided. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1034</td>
<td>INTRODUCTION TO KINESIOLOGY</td>
<td>3</td>
<td>48–54 lecture</td>
<td>Graded</td>
<td>This course is an introduction 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. (AA, CSU) (C-ID: KIN 100)</td>
</tr>
<tr>
<td>PEMA 1035</td>
<td>INTRODUCTION TO ATHLETIC TRAINING</td>
<td>3</td>
<td>48–54 lecture</td>
<td>Graded</td>
<td>This course is designed to introduce the basic concepts of athletic injuries and initial management of those injuries. This course will cover the fundamentals of athletic injuries, and the assessment, prevention, and initial care of those injuries. (AA, CSU)</td>
</tr>
<tr>
<td>PEMA 1036</td>
<td>CLINICAL EXPERIENCE IN ATHLETIC TRAINING</td>
<td>1.5</td>
<td>12–13.5 lecture / 48–54 lab</td>
<td>Graded</td>
<td>This course is designed to give students clinical experience in injury/illness prevention, first aid and procedures for both open and closed wounds, preventative taping and wrapping techniques, and medical documentation techniques. (AA, CSU, UC)</td>
</tr>
<tr>
<td>PEMA 1038</td>
<td>ATHLETIC EMERGENCIES, SAFETY, AND PREVENTION</td>
<td>1.5</td>
<td>16–18 lecture / 24–27 lab</td>
<td>Graded</td>
<td>This course is designed to prepare the student to handle basic health care needs within sports. The course will cover a variety of taping and wrapping techniques used in athletic competition. Upon</td>
</tr>
</tbody>
</table>
completion of this course the student will also receive certification by the American Red Cross in First Aid and Adult CPR. There will be an additional $5 charge for the American Red Cross certification card. (AA,CSU)

**PEMA 1039**
**CERTIFIED PERSONAL TRAINER**
3 units, 32–36 lecture hours / 32–36 lab hours / 32–36 other hours
Graded

This course is designed for students interested in a career in the fitness industry or for those students interested in furthering their understanding of the effects of exercise. This is a preparation course for the National Counsel on Strength and Fitness (NCSF) Personal Trainer Board Examination and certification. This course covers the components of fitness, health and fitness measurements, general strength, flexibility, cardiovascular training guidelines and exercise prescription. (AA, CSU)

**PEMA 1106**
**OFF-SEASON MEN’S VARSITY BASKETBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1107**
**OFF-SEASON MEN’S VARSITY BASEBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1108**
**OFF-SEASON MEN’S VARSITY FOOTBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1110**
**OFF-SEASON VARSITY TRACK**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1114**
**OFF-SEASON WOMEN’S VARSITY BASKETBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1115**
**OFF-SEASON WOMEN’S VARSITY VOLLEYBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1116**
**OFF-SEASON VARSITY SOFTBALL**
0.5–3 units, 27–175 lab hours
Graded

Designed for athletic team candidates in an off-season program. Includes sport-specific training with the purpose of developing areas of individual weaknesses. Students who repeat this course will improve skills through further instruction and practice. UC transfer credit limitations. (AA,CSU,UC)

**PEMA 1136**
**CLINICAL EXPERIENCES IN ATHLETIC TRAINING II**
1.5 units, 12–13.5 lecture hours / 48–54 lab hours
Graded
Prerequisite: PEMA 1036

This course is designed to give students clinical experience in the evaluation of acute and sub-acute athletic injuries. In addition to the evaluation process, students will gain experience in the use of therapeutic modalities used in the treatment of sports injuries. UC transfer credit limitations. (AA, CSU, UC)

**PEMA 1236**
**CLINICAL EXPERIENCES IN ATHLETIC TRAINING III**
1.5 units, 12–13.5 lecture hours / 48–54 lab hours
Graded
Prerequisite: PEMA 1136

This laboratory class is designed to give students practical experience in the area of sports rehabilitation and reconditioning. UC transfer credit limitations. (AA,CSU,UC)
PEMA 1336
CLINICAL EXPERIENCES IN ATHLETIC TRAINING IV
1.5 units, 12-13.5 lecture hours / 48-54 lab hours
Graded
Prerequisite: PEMA 1236
This laboratory class is designed to give students practical experience in the traditional and clinical athletic training setting with emphasis on evidence-based techniques, psychosocial strategies and referral, healthcare administration, and professional development and responsibility. UC transfer credit limitations. (AA,CSU,UC)

PEMA 2137
SPORTS NUTRITION
3 units, 48-54 lecture hours
Graded
The course takes an in-depth look at nutritional science and its application to athletic performance. The latest evidence-based information is presented in a building block model affording students the opportunity to develop the competencies necessary for a skilled practitioner in this field. If other requirements are met, this course will allow students to take the NCSF national examination to become certified as a nutritional specialist. See instructor for details. (AA, CSU)

Physical Science

Faculty
Jenny Heath
Bill Hirt
Mike Read

General Description
The Physical Science program is an interdisciplinary approach to the study of science that stresses the interrelationship of chemistry and physics, as well as geology, biology, astronomy, earth science, and mathematics. The program offers a broad academic background and facility in analytic thinking requisite for advanced study in any of the sciences while providing a greater diversity of knowledge than is possible with study in a single science.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

• Demonstrate an understanding of the various components underlying good scientific research—including an ability to design and conduct experiments, as well as to analyze and interpret data.
• Demonstrate a basic knowledge of, and the ability to apply to the real world and to their chosen field of study, the principles of physical science.
• Demonstrate an ability to effectively communicate scientific knowledge, experimental results and analyses.

Career Options
The usual career goal of the physical science major is to become a teacher in high school. Upon completion of the bachelor's degree in physical science and other requirements for a single subject credential, graduates will be able to teach the following subjects in California high schools: chemistry, general science, physics, and physical science. Jobs for physical science teachers are becoming more plentiful with an increasing need for instructors in high school during the next ten years.

Degree/Certificate Options
Associate in Science Degree
Physical Science

Associate in Science Degree
Physical Science
Lower-division requirements are not the same for all universities. The curriculum is designed for students who intend to transfer to a four-year college or university to earn a Bachelor of Science degree in order to become a high school science teacher. Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor.

Requirements for the Major
CHEM 2000 – General Chemistry I (5)
CHEM 2100 – General Chemistry II (5)
GEOL 1210 – Physical Geology/Lab (4)
PHYS 1105 – General Physics I (4)
PHYS 1110 – General Physics II (4)
Total Major Units: 22

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Physics

Faculty
Mike Read

General Description
A branch of the physical sciences, physics is the study of energy, space, matter, the interactions between matter and the laws which govern these interactions. Physicists consider themselves the most fundamental of scientists, for they are the ones who examine the basic laws of nature. They seek to study and understand what happens when atoms and subatomic particles break down and assemble, how they react to collisions with each other and to electro-magnetic radiation. Physicists use mathematics to understand, explain and predict their theories and equations. They often apply their predictions and theories to other fields – chemistry, biology, geophysics, engineering, communication, transportation, electronics and health. This curriculum may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate degree program. Please check with a counselor for specific transfer requirements.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:
• Demonstrate an ability to apply to the real world the principles of physics.
• Demonstrate an understanding of the various components underlying good scientific research including an ability to design and construct experiments, as well as to analyze and interpret data.
• Demonstrate an ability to effectively communicate scientific knowledge, experimental results and analyses. Graduates will demonstrate that they possess the skills, techniques, attitudes, values and knowledge to succeed in the upper division level science courses having physics as a prerequisite.

Career Options
The following list is a sample of the many career options available to the physics major. A few of these require an associate degree, some require a bachelor’s degree, and most require a graduate-level degree: research assistant, laboratory technician, high school or college instructor, technical writer and researcher; or applied physicist in acoustics, atmospheric physics, astrophysics, astronomy, atomic and molecular physics, electricity and magnetism, electronic instrumentation, energy conservation, geophysics, health physics, mechanics, heat or light physics, medical imaging, nuclear health physics, mechanics, nuclear medicine, solar energy, nuclear physics, engineering, and scientific computing.

Degree/Certificate Options
Associate in Science Degree in Physics (AS)
Associate in Science Degree in Physics for Transfer (AS-T)

Associate in Science Degree in Physics
Physicists are engaged in applying the fundamental principles of science to problems ranging from understanding life processes to exploring the universe. Specializations include mechanics, heat, optics, acoustics, electrodynamics, astrophysics, atomic physics, biophysics, and geophysics. The Associate in Science degree in physics provides the student the opportunity to complete all the lower division courses required for transfer to a university to pursue a bachelor’s in physics. The core courses provide the technical knowledge and skills needed for students to complete their upper division physics course work at the university.

Requirements for the Major
CHEM 2000 – General Chemistry I (5)
CHEM 2100 – General Chemistry II (5)
MATH 1400 – Calculus and Analytic Geometry I (5)
MATH 1500 – Calculus and Analytic Geometry II (5)
PHYS 2105 – Mechanical Physics, Oscillations and Waves (4)
PHYS 2110 – Electrical Physics, Light (4)
PHYS 2115 – Heat, Modern, and Quantum Physics (4)
Total Major Units: 32

All courses must be completed with a grade of C or better.
In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Science Degree in Physics for Transfer
The Associate in Science Degree in Physics for Transfer will meet the needs of students transferring to a California State University who intend to study in a Physics-related major.
To obtain the Associate in Sciences Degree in Physics for Transfer students must complete the following requirements with a minimum grade point average (GPA) of 2.0:
• The Physics major requirements below.
• The California State University General Education – Breadth (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
• Any needed transferable electives to reach a total of 60 CSU transferable units.

Requirements for the Major
MATH 1400 – Calculus and Analytic Geometry I (5)
MATH 1500 – Calculus and Analytic Geometry II (5)
MATH 2400 – Calculus and Analytic Geometry III (5)
PHYS 2105 – Mechanical Physics, Oscillations and Waves (4)
PHYS 2110 – Electrical Physics, Light (4)
PHYS 2115 – Heat, Modern, and Quantum Physics (4)
Total Major Units: 27
Double counting courses in GE and the major is permissible. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Courses

PHYS 1001
PHYSICS BY EXPLORATION
4 units, 48-54 lecture hours / 48-54 lab hours
Graded

A lecture/lab introduction to physics using inquiry-based learning strategies. The course is designed to give Liberal Arts students direct experience in the scientific process thus establishing a solid foundation for scientific literacy. Starting from their own observations, students develop basic physical concepts, use and interpret different forms of scientific representations and construct explanatory models with predictive capability. Students develop scientific reasoning skills and relate scientific concepts, representations, and models to real world phenomena. (AA, CSU, UC)

PHYS 1010
CONCEPTUAL PHYSICS
3 units, 48-54 lecture hours
Graded

A non-mathematical general education science lecture course. Topics include: Newtonian mechanics, heat, oscillations and waves, electricity, magnetism, properties of matter, and light. The emphasis of the class is to better understand the physics of everyday phenomena. Not intended for science majors or students who have completed high school physics. (AA, CU, UC)

PHYS 1020
WEIRD SCIENCE: SCIENCE, SKEPTICISM, AND CRITICAL THINKING
3 units, 48-54 lecture hours
Graded

Advisory: ENGL 1001 and MATH 0830

This course will strive to teach critical scientific thinking in explaining various phenomena including the realm of the paranormal as well as everyday human behavior. Discussions will focus on scientific versus pseudoscientific explanations, and how to tell the difference. Course content will cover the use of language, thought, and logic in distinguishing science fact from science fiction. Inductive and deductive methods, judgement, opinion, belief, and knowledge. A critical examination of contemporary pseudoscientific issues (creation "science", astrology, UFO's etc). (AA, CSU, UC)

PHYS 1105
GENERAL PHYSICS I
4.5 units, 48-54 lecture hours / 80-90 lab hours
Graded

Prerequisite: MATH 1100 or qualification through assessment

Advisory: High School Trigonometry

An introduction to the structure and language of physics through the study of mechanics, oscillatory motion, waves and fluid mechanics. Emphasis is given to life science and medical applications of physics. UC transfer credit is granted for either the PHYS 1105 and 1110 series or the PHYS 2105, 2110, and 2115 series. (AA, CSU, UC) (C-ID: PHYS 105)

PHYS 1110
GENERAL PHYSICS II
4.5 units, 48-54 lecture hours / 80-90 lab hours
Graded

Prerequisite: PHYS 1105 and MATH 0980 or qualification through assessment

This course is a continuation and completion of the study of General Physics. The subject matter includes, Thermodynamics, Electrostatics, Magnetism, DC circuits, Physical and Geometric Optics, and Modern Physics Lab. UC transfer credit is granted for either the PHYS 1105 and 1110 series or the PHYS 2105, 2110, and 2115 series. (AA, CSU, UC)

PHYS 2105
MECHANICAL PHYSICS, OSCILLATIONS, AND WAVES
4.5 units, 48-54 lecture hours / 80-90 lab hours
Graded

Corequisite: MATH 1400

The fundamental principles of mechanics are treated within the mathematical framework of elementary differential and integral calculus. Vectors, Newton's Laws of Motion, particle dynamics, work and energy, conservation laws, rotational motion, rotational dynamics, mechanical oscillations, gravitation, fluid statics and fluid dynamics, oscillations, and wave motion are discussed. UC transfer credit is granted for either the PHYS 1105 and 1110 series or the PHYS 2105, 2110, and 2115 series. (AA, CSU, UC) (C-ID: PHYS 205)

PHYS 2110
ELECTRICAL PHYSICS, LIGHT
4.5 units, 48-54 lecture hours / 80-90 lab hours
Graded

Prerequisite: PHYS 2105 and MATH 1400

Corequisite: MATH 1500

The fundamental principles of electricity and magnetism are treated within the mathematical framework of elementary differential and integral calculus. Topics include: electric fields, Gauss' Law, electrical potential, capacitors and dielectrics, current and resistance, magnetic fields, Ampere's law, Faraday's law of induction, magnetic properties of matter, electromagnetic oscillations and waves, alternating currents, Maxwell's equations, and wave properties of light and geometric optics. (AA, CSU, UC) (C-ID: PHYS 210)

PHYS 2115
HEAT, MODERN, AND QUANTUM PHYSICS
4 units, 48-54 lecture hours / 48-54 lab hours
Graded

Prerequisite: MATH 1400 and MATH 1500

Advisory: PHYS 2110

The fundamental principles of heat, thermodynamics, atomic structure, relativity, quantum mechanics, superconductivity, particle physics and cosmology are covered in this course. The mathematical framework of differential and integral calculus are used in analysis of problems. This is the final course in the engineering physics sequence and thus brings the different areas of physics together. UC transfer credit granted for either the PHYS 1105 and 1110 series or the PHYS 2105, 2110, and 2115 series. (AA, CSU, UC) (C-ID: PHYS 215)
**Physics, Political Science, Psychology**

**PHYS 2929**  
**SPECIAL STUDIES**  
1–2 units, 54–108 lab hours  
Graded  

This course provides an opportunity for students to do additional independent study on selected topics in Physics. May be taken for credit a total of four times. (AA, CSU)

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**Political Science Courses**

**POLS 1001**  
**AMERICAN GOVERNMENT: NATIONAL, STATE, AND LOCAL**  
3 units, 48–54 lecture hours  
Graded  
Advisory: ENGL 1001  

This introductory course explores the origins, foundations and development of the federal and California state governments and examines their institutions, political processes, and their functions. (AA, CSU, UC)

**POLS 1007**  
**WORLD POLITICS**  
3 units, 48–54 lecture hours  
Graded  

This introductory world politics course provides students a theoretical framework in the analysis and study of international relations and the competing approaches in understanding and addressing contemporary issues and crises. The course will explore the role and influence of states and non-state actors on foreign policy making; the dynamic role and impact of globalization; the importance of arms control and disarmament; the issues and concerns surrounding the global environment and its impact on sustainable development. (AA, CSU, UC)

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**POLS 2929**  
**SPECIAL STUDIES**  
1–2 units, 54–108 lab hours  
Graded  

Opportunity for students to do an independent study of selected aspects of Political Science (federal, state, local) and apply what they have studied to some problem in order to reach a conclusion or to solve a problem. (AA, CSU)

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**Psychology**

**Dean of Liberal Arts & Sciences**  
530.938.5375

**General Description**  
Psychology is the systematic and scientific study of human behavior and mental processes. It focuses on the biological, social, personal, and cognitive factors that influence behavior and covers such topics as the nervous system, sensation and perception, learning and memory, motivation and emotion, personality, development, normal and abnormal behavior, and social psychology.

**Program Learning Outcomes**  
Upon successful completion of this program, the student should be able to:  
- Demonstrate an understanding of human behavior using a systematic approach.  
- Demonstrate greater interpersonal and intrapersonal intelligence.  
- Demonstrate an understanding of individual and cultural differences.

**Career Options**  
The following list is a sample of the many career options available for the psychology major. A few of these require an associate degree, most require a bachelor’s degree, and some require a graduate-level degree: drug abuse counselor, marriage/family/child counselor, high school or college counselor or instructor, opinion survey designer, mental health worker, employment counselor, social worker, research assistant, and research analyst.

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**Degree/Certificate Options**  
**Associate in Arts Degree**  
**Psychology**

This program provides a foundation for students seeking an associate degree in psychology or transferring to a four-year university program in psychology. It provides relevant educational experiences for students seeking employment in a variety of fields, including the helping professions, teaching, medicine, public service, and business. It also intends to enhance students’ self-awareness, personal adjustment, awareness of others, and critical thinking ability. Please check with a counselor for specific transfer requirements.
Programs and Courses

Requirements for the Major
Complete the following:
- ENGL 1001 – College Composition (3)
- MATH 1050 – Elementary Statistics (5)
- PSY 1001 – General Psychology (3)
Complete one of the following:
- BIO 1500 – Human Biology (3)
- BIO 2700 – Human Anatomy (4)
Complete two of the following:
- PSY 1002 – Abnormal Psychology (3)
- PSY 1003 – Social Psychology (3)
- PSY 1004 – Psychology of Prejudice (3)
Total Major Units: 20-21

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Courses

PSY 1001
GENERAL PSYCHOLOGY
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 1001
This is a basic course introducing psychology as the scientific study of behavior and mental processes through the exploration of major theories and concepts, methods, and research findings. Topics include biological bases of behavior, sensation & perception, cognition, learning, emotion & motivation, development, personality, social psychology, psychological disorders and therapies, and applied psychology. (AA, CSU, UC) (C-ID: PSY 110)

PSY 1003
SOCIAL PSYCHOLOGY
3 units, 48-54 lecture hours
Graded
Advisory: ENGL 0900
This is a basic course in social psychology that explores how people think about, influence, and relate to one another. The effects of personality, culture, evolution, and situational factors on social behavior will be explored. Appropriate concepts, theories, findings, and research methods will be utilized. Concepts will be applied to contemporary social situations. (AA,CSU,UC) (C-ID: PSY 170)

PSY 1004
PSYCHOLOGY OF PREJUDICE
3 units, 48-54 lecture hours
Graded
This course provides an opportunity for students to explore the psychology issues behind prejudice and discrimination in contemporary society. Students will have the opportunity to become more aware of their own behavior as it relates to their own stereotypes and to become advocates for equality and tolerance both locally and globally. (AA,CSU,UC)

PSY 1502
ABNORMAL PSYCHOLOGY
3 units, 48-54 lecture hours
Graded
Prerequisite: PSY 1001
The course considers and explores the problems of adjustment from mild social and personal stress to profound disorganization and disintegration of personality. Major patterns of maladaptive behavior will be covered, including personality problems which lead to domestic, social, and economic inadequacy, and in some instances, difficulty with the law. (AA, CSU, UC)

PSY 2001
INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY
3 units, 48-54 lecture hours
Graded
Prerequisite: MATH 1050 and PSY 1001
Advisory: ENGL 1001
This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the subdisciplines of psychology. (AA, CSU) (C-ID: PSY 200)
Psychology, Social Science

General Description
The social science major is an interdisciplinary option for students wishing a broad preparation encompassing the disciplines of economics, political science, and sociology. The Social Science curriculum at College of the Siskiyous may also academically prepare the student to transfer to a four-year university to complete a Baccalaureate Degree.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Demonstrate the ability to apply the principles, perspectives, and methods of inquiry used by the social and behavioral sciences.
- Demonstrate an understanding of how societies and social subgroups operate.
- Analyze and explain how people act and have acted in response to their societies.
- Demonstrate the ability to understand social and behavioral research methodologies and effectively communicate research results and conclusions.
- Recognize personal, social, or historical biases and differences.

Career Options
Middle or high school teacher of civics, economics, geography and history; politics, government and civil service; lobbyist, pre-law attorney, law enforcement, business, public relations, human relations, personnel specialist, journalist, military service, community service, and graduate school.

Degree/Certificate Options
Associate in Arts Degree
Social Science

Associate in Arts Degree
Social Science

The Associate in Arts Degree in Social Science is designed for students who have a broad interest in the behavioral and social sciences. At COS the social science program includes the disciplines of administration of justice, anthropology, economics, ethnic studies, family consumer science, geography, history, political science, psychology, and sociology.

Requirements for the Major
Complete the following:
- CSCI 1001 – Introduction to Computer Science (3)
- ECON 1010 – Principles of Macroeconomics (3)
- HIST 1017 – US History to 1877 (3)
- POLS 1007 – World Politics (3)

Complete one of the following:
- SOC 1001 – Introduction to Sociology (3)
- SOC 1002 – Social Problems (3)

Complete three of the following:
- ANTH 1010 – Introduction to Cultural Anthropology (3)
- ECON 1020 – Principles of Microeconomics (3)
- ETHN 1001 – Ethnic Studies (3)
- HIST 1004 – Western Civilizations to 1600 (3)
- HIST 1005 – Western Civilization since 1600 (3)
- HIST 1006 – California History and Politics (3)
- HIST 1018 – US History since 1877 (3)
- POLS 1001 – Introduction to American Government (3)

Total Major Units: 24

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.
Sociology

Courses

SOC 0502
GERONTOLOGY
0 units, 36 lab hours
Pass/No Pass
This class presents results of research and other material as it applies to the problems of retirement and senior living, such as myths about aging, ways to share the knowledge of a lifetime with loved ones, keeping fit, living on fixed incomes, parenting grown children, grandparenting, living alone, grief, and loss. (NDA)

SOC 0503
SENIOR PROSPECT AND PROBLEMS
0 units, 9–108 lab hours
Pass/No Pass
An examination and expansion of logic and thinking processes that will add to the students' means of solving daily problems and to expand the experiences of a limited environment. Review of current literature and subject matter that will stimulate memories and memory skills. (NDA)

SOC 1001
INTRODUCTION TO SOCIOLOGY
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 0900
An introduction to the study of Sociology including its basic concepts, theories, and methods. Topics include analysis and explanations of different social systems, cultures, socialization, deviance, groups, social stratification, race, gender, minorities, and the family. (AA, CSU, UC) (C-ID: SOCI 110)

SOC 1002
SOCIAL PROBLEMS
3 units, 48–54 lecture hours
Graded
Advisory: ENGL 1001
Introduction and analysis of social problems as they relate to the family, religion, political systems, medicine and health, science, population and over-population, economics of social systems, social change and collective behavior. Utilizing the problem approach the course will blend social science perspectives as they relate to power, wealth, scarcity and social change. (AA, CSU, UC) (C-ID: SOCI 115)

SOC 1031
WOMEN IN RELIGION, MYTHOLOGY, AND SPIRITUALITY
3 units, 48–54 lecture hours
Graded
This course is open to all students interested in exploring a comprehensive cross-cultural study of the nature of the sacred feminine and an examination of the position and roles of women within various religious and spiritual traditions. The functions of ritual and mythology and women's use of various symbol systems will also be explored. (AA, CSU, UC)

SOC 1032
EARTH WISDOM: WOMEN, NATURE, AND THE ENVIRONMENT
1 unit, 16–18 lecture hours
Graded
This course is open to all students interested in an in-depth examination of women's roles in the emerging fields of deep ecology, ecopsychology, and ecofeminism. Course includes study of ancient, historical and contemporary relationships between women, men and the earth, global strategies for a sustainable future and women as visionaries and agents of change. (AA, CSU)

SOC 1033
MARRIAGE AND FAMILY
3 units, 48–54 lecture hours
Graded
This course is a study in the importance and function of the modern family-historical and present day American, and other family systems. Problems of the various family cycles, including courtship, marriage, adjustments, children, divorce, finances, and budgeting. Discussion of the other social systems which affect the family as a whole. (AA, CSU, UC)

SOC 1035
INTRODUCTION TO WOMEN'S STUDIES
3 units, 48–54 lecture hours
Graded
An interdisciplinary study of women in American society including such topics as women's social conditions, values, communication, power and symbols. This course seeks to put the concerns and contributions of the contemporary women's movement into a perspective that has value and meaning for today's student of women's studies. (AA, CSU, UC)

SOC 1036
WOMEN AND CREATIVITY
1 unit, 16–18 lecture hours
Graded
This course is open to all students interested in exploring a comprehensive study of the creative process as it affects the lives of women, exploring women's unique sources of creativity, inspiration and imagery. Students will also discover a diversity of techniques to nourish the creative life and overcome the silences and obstacles to creation. (AA, CSU)

SOC 1037
WOMEN IN MIDLIFE: TRANSITION AND PASSAGE
1 unit, 16–18 lecture hours
Graded
This course is open to all students interested in examining the rapidly expanding body of literature and ideas related to the sociology, psychology, and philosophy of women in midlife and menopause. The course will examine how midlife transitions and experiences affect self-image, decision-making, relationships, career, values and goals. Students will explore their own midlife transition patterns and critically assess their methods of coping with them. (AA, CSU)
## Program Learning Outcomes

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

- Demonstrate and apply an understanding of the basic structures of the Spanish language.
- Communicate effectively in writing in Spanish according to the demands of a particular situation.
- Acquire and demonstrate listening and speaking skills according to the demands of a particular situation.
- Read and discuss literary works from important Latin American and Spanish authors.
- Analyze Latin American and Spanish cultures and compare practices and traditions with students' own culture.
- Adapt to new situations and cultural traditions in a Spanish speaking country.

## Courses

**SPAN 1010**  
**ELEMENTARY SPANISH I**  
5 units, 80–90 lecture hours  
Graded  
A beginning study and practice in oral communication, writing and reading Spanish with an introduction to basic grammatical elements and Hispanic culture. (AA, CSU, UC)

**SPAN 1040**  
**CONVERSATIONAL SPANISH**  
3 units, 48–54 lecture hours  
Graded  
This course is designed to help students acquire conversational skills in Spanish. To broaden and improve their capacity to converse in Spanish, the course focuses on the particular subset of language skills fundamental to conversation: expanding and personalizing active vocabulary, knowledge in common areas of conversation, improving listening comprehension skills, improving the ability to engage in spontaneous oral discussion on basic themes and to respond appropriately in context-specific conversational settings, and improving grammatical accuracy. (AA, CSU)

**SPAN 1520**  
**ELEMENTARY SPANISH II**  
5 units, 80–90 lecture hours  
Graded  
Prerequisite: **SPAN 1010 or two years of high school Spanish**  
SPAN 1520 is a continuation of Spanish I with more emphasis on oral communication, writing and reading, grammatical elements and Hispanic culture. (AA, CSU, UC)
General Description
A background in the Theatre Arts offers students the opportunity to develop not only a compelling external poise and confidence in public expression, but also a powerful insight into the nature of human relations and interpersonal dynamics. Theatre Arts students develop intense imaginations, become keen observers, and generate valuable insights into the complexities of human nature. Theatre has been a powerful medium of human expression and exploration for thousands of years, offering its community a deeper understanding of itself, both as a collective and as individuals, through a fascinating synthesis of entertainment and instruction. The Theatre Arts Department at COS continues that noble tradition through its coursework and its two annual productions, exposing students to the rigors of both theory and practice.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

Theater (A.A.)
- Work as a team; work under pressure; meet deadlines; manage time.
- Develop effective presentation techniques.
- Publicize production and build marketing.
- Be able to take and give direction.
- Understand theater in a multicultural context.
- Audition effectively and successfully.
- Interpret scripts from a variety of perspectives.

Theater (Technical Theatre Certificate)
- Work under pressure; develop reliability.
- Work as a team.
- Meet deadlines and manage time.
- Operate technical equipment.
- Incorporate artistic design elements.
- Solve logistical problems.
- Analyze and interpret dramatic literature.
- Understand theater in the context of arts and culture.

Theater (Community)
- Create an informed theater audience.
- Provide educational entertainment to the community.
- Build community liaisons.
- Give to community.
- Develop awareness of arts in community.
- Encourage participation in community theater and dance.
- Train future participants in community theater and dance.
- Create outreach programs for personal enrichment.

Career Options
Careers in the Theatre Arts include actor, stage manager, director, playwright, public relations specialist, set designer, lighting specialist, makeup designer, costumer, producer, theatre technician, fight choreographer, instructor, theatre manager, construction crew, technical director, casting director, and critic.

Degree/Certificate Options
Associate in Arts Degree in Theater Performance (AA)
Associate in Arts Degree in Theatre Arts for Transfer (AA-T)
Associate in Arts Degree in Musical Theatre

Certificate
Technical Theatre

Associate in Arts Degree in Theatre Performance
The Theatre Performance program is a rigorous and exciting program that trains its students in a variety of theatrical disciplines, including acting, playwriting, theatrical makeup, script analysis, directing, stage management, lighting, design, and stagecraft. Majors will have the opportunity to participate in up to four productions a year: two main stage productions and two student productions. Theatre Arts graduates will be prepared to transfer to a four-year university for further training; find entry level work in technical theatre; act, write or direct on a community or professional level or in film or television. Please check with an advisor or counselor for specific transfer requirements.
Requirements for the Major
Complete the following:
THEA 1100 – Principles of Acting (3)
THEA 150 – Stage Makeup (3)
THEA 1200 – Intermediate Principles of Acting (3)
THEA 1600 – Stagecraft (3)
THEA 2000 – Introduction to Theatre (3)
THEA 2400 – Script Analysis (3)
Complete one of the following:
THEA 1001 – Rehearsal and Performance (1-3)
THEA 1301 – Musical Comedy Workshop (1-3)
Complete three units from the following:
THEA 1315 – Stage Movement (2)
THEA 1501 – Technical Production Lab (1-3)
THEA 2600 – Stage Lighting (3)
Total Major Units: 22-24

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Associate in Arts Degree in Theatre Arts for Transfer

The Associate in Arts Degree in Theatre Arts for Transfer will meet the needs of students transferring to a California State University who intend to study in a theatre-related major.

To obtain the Associate in Arts Degree in Theatre Arts for Transfer, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:
- The Theatre Arts major requirements below.
- The California State University General Education – Breadth (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- Any needed transferable electives to reach a total of 60 CSU transferable units.

Requirements for the Major
Complete the following (core):
THEA 1100 – Principles of Acting (3)
THEA 2000 – Introduction to Theatre (3)
Complete one of the following (core):
THEA 1001 – Rehearsal & Performance (3)
THEA 1501 – Technical Production Lab (3)
Complete three of the following:
THEA 1001 – Rehearsal & Performance (3) (if not used in the Core)
THEA 1150 – Stage Makeup (3)
THEA 1200 – Intermediate Principles of Acting (3)
THEA 1501 – Technical Production Lab (3) (if not used in the Core)
THEA 1600 – Stagecraft (3)
THEA 2400 – Script Analysis (3)
THEA 2600 – Stage Lighting (3)
Total major units: 18

All courses must be completed with a grade of C or better.

Six units will double count with CSUGE. Double counting courses in GE and the major is permissible. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Certificate

Technical Theatre

Requirements for the certificate
THEA 1150 – Stage Makeup (3)
THEA 1501 – Technical Production Lab (1-2)
THEA 1600 – Stagecraft (3)
THEA 2000 – Introduction to Theatre (3)
THEA 2400 – Script Analysis (3)
THEA 2600 – Stage Lighting (3)
Total Certificate Units: 16-17

All courses must be completed with a grade of C or better.

Courses

THEA 0531
COMMUNITY THEATRE
0 unit, 12-54 lab hours
Pass/No Pass

Rehearsal and performance of a community theatre production. Students will participate as actors and/or technicians. The process includes auditioning, rehearsing, developing character, and performing in COS theatre productions. (NDA)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>FUNDAMENTALS OF THEATRE ARTS</td>
<td>3</td>
<td>48-54 lecture / 16-18 lab</td>
<td>Graded</td>
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<td>THEA 1001</td>
<td>REHEARSAL AND PERFORMANCE</td>
<td>1-3</td>
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<td>PRINCIPLES OF ACTING</td>
<td>3</td>
<td>48-54 lecture</td>
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<td>STAGE MAKEUP</td>
<td>2</td>
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<td>THEA 1301</td>
<td>MUSICAL COMEDY WORKSHOP</td>
<td>1-3</td>
<td>8-30 lecture / 30-90 lab</td>
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<td>FUNDAMENTALS OF DANCE</td>
<td>1</td>
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<td>THEA 1315</td>
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</table>

A study of the basic fundamentals of the dramatic form with an emphasis on performance and staging of scenes. Students will explore the basic fundamentals of the dramatic arts, including historical and contemporary perspectives; the roles of the director, playwright, and actor; and script analysis. Designed for the beginning dramatist, this course will examine the purpose of the theatrical art form in its study of the human condition. This course may be taken for credit at total of four times. (AA)

This course provides a workshop training experience in the preparation and performance of a theatrical production. Actors audition with the director for acting roles. Students interested in technical work interview for backstage positions in stage management, crewing, set construction, costumes and makeup, lighting and sound, box office and publicity. This course may be taken for credit a total of four times. (AA, CSU, UC)

This course covers the fundamental techniques and terminology of acting through physical and vocal expression. Emphasis is placed on characterization as developed through improvisation, vocal exercises, intention exercises, and awareness of body acting centers. (AA, CSU, UC) (C-ID: THTR 151)

Instruction in choreography and dance routines of a specific musical play. Concurrent enrollment in THEA 1301 or MUS 1528 is required. This course may be taken for credit a total of four times. (AA, CSU, UC)

This course offers the student an understanding of the theories and basic techniques of Stage Makeup. Students will receive instruction and practice all phases of makeup specifically designed for theatrical use. The student will learn to research, design and apply stage makeup to illustrate character through a variety of applications including--age, creature, injury, time period, illness, and fantasy. (AA, CSU, UC)

This course teaches the fundamentals of movement for the stage. Theory and practice of stage movement developing the body as an expressive instrument acquiring flexibility, relaxation, control, and creative expression. The course incorporates the study of body awareness techniques, contact improv, stage combat, physical intentions, and non-verbal communication. This course may be taken for credit a total of three times. (AA, CSU, UC)
THEA 1450  
**APPRECIATION OF THEATRE PERFORMANCE**  
1 unit, 16-18 lecture hours  
Pass/No Pass  
Advisory: *ENGL 0900*  

This course studies the analysis of texts, live stage performances, and dramatic literature. This course is designed to increase and enhance critical judgment, aesthetic appreciation and responsibility as audience in response to this art form. This course can be taken for credit a total of four times. (AA,CSU,UC)

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THEA 1501  
**TECHNICAL PRODUCTION LAB**  
1–3 units, 48–162 lab hours  
Graded  
Prerequisite: Instructor approval  
Advisory: *ENGL 0900*  

Students will gain the ultimate backstage experience, learning the latest technologies and practices in the preparation of a fully mounted stage production. Students may choose to work in the scene shop, sound and lighting, backstage crew, and/or front of the house. No experience necessary. This course may be taken for credit a total of four times. (AA, CSU, UC) (C-ID: THTR 192)

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THEA 1600  
**STAGECRAFT**  
3 units, 32–36 lecture hours / 48–54 lab hours  
Graded  
Advisory: *ENGL 0900*  

History and theory of play production techniques and crafts, including scene design, scenery construction, and properties. Includes three hours of laboratory experience per week. (AA, CSU, UC) (C-ID: THTR 171)

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THEA 2000  
**INTRODUCTION TO THEATRE**  
3 units, 48–54 lecture hours  
Graded  
Advisory: *ENGL 0900*  

This is a course intended for both majors and non-majors. Introduction to Theatre is a survey of theatre, including basic elements and principles of production, styles, and/or historical perspectives of theatre, dramatic literature, and criticism. (AA, CSU, UC) (C-ID: THTR 111)

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THEA 2400  
**SCRIPT ANALYSIS**  
3 units, 48–54 lecture hours  
Graded  

This course will expose students to the process of analyzing dramatic literature from a variety of viewpoints. It will critically examine works throughout history to break them down into component elements. This course will analyze these texts from the perspectives of technician, dramaturge, literary scholar, actor, director, philosopher, political scientist and social psychologist. By taking a variety of analytical approaches, a broad range of tools for analyzing scripts will become available to the students. (AA, CSU, UC) (C-ID: THTR 114)

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THEA 2600  
**STAGE LIGHTING**  
3 units, 32–36 lecture hours / 48–54 lab hours  
Graded  
Advisory: *ENGL 0900*  

History and theory of stage lighting, including design, lighting practices and procedures, color theory, and the theory and application of computer-assisted lighting control. Includes three hours of laboratory experience per week. (AA,CSU,UC) (C-ID: THTR 173)
Welding

Dean of Career and Technical Education  
530.938.5512

General Description
The Welding program offers the academic and practical skills needed for those seeking to advance their current positions, or gain a new and exciting career, or to learn a new hobby. The most common electric arc welding processes used in today's industry are covered, including MIG, TIG, Stick, Flux Core, and Dual Shield. The proper use of numerous pieces of metal working equipment and various fabrication techniques are included. Students will gain the technical and hands-on knowledge to work with ferrous or non-ferrous metals in various positions and configurations. Students can gain Certificates of Achievement, nationally recognized American Welding Society (AWS) welding certifications, and an Associate in Science Degree in Welding.

Program Learning Outcomes
Upon successful completion of this program, the student should be able to:

- Be proficient in four types of welding: flat, vertical, horizontal, and overhead, using ferrous and non-ferrous metal.
- Plan and construct quality products that conform to recognized AWS standards.
- Apply necessary skills needed for professional employment.
- Identify hazards in the workplace.

Career Options
Few career choices offer such vast options for employment and personal development as welding. The construction industry and fabrication companies are a main source of employers who seek qualified welders. From industry production lines, to the laboratory, to research and development, to national defense, to sales and repair, the varied welding industry impacts virtually every industry on the globe. From deep in the oceans to high above the planet, there is a position within the welding industry for ambitious, smart professionals ready to excel and achieve success!

Degree/Certificate Options
Associate in Science Degree
Welding

Certificates of Achievement
Welding–Basic Level
Welding–Advanced Level

Associate in Science Degree
Welding

The Associate in Science Degree in Welding Technology will be awarded upon completion of the requirements for the certificate, plus completion of the graduation requirements as described in the catalog, as well as electives totaling 60 units of college work as required for the associate degree.

Requirements for the Major
Complete the following:

- WELD 101 – Beginning Welding (3)
- WELD 102 – Advanced Welding (3)
- WELD 1103 – Metal Fabrication (3)
- WELD 1104 – Gas Metal Arc Welding (3)
- WELD 1105 – Gas Tungsten Arc Welding (3)
- WELD 2101 – Weld Qualification (3)
- WELD 2102 – Advanced Welding Applications (2)

Total Major Units: 22-23

All courses must be completed with a grade of C or better.

In addition to the major requirements, students need to complete general education requirements and electives to reach the minimum of 60 degree-applicable units required for the associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

Students will have the opportunity to receive certification in advanced positional welds, tungsten welds and wire welding processes upon completion of the 4th semester of welding leading to the Associate in Science degree.

Certificates of Achievement
Welding–Basic Level

Requirements for the Certificate
Complete the following:

- WELD 101 – Beginning Welding (3)
- WELD 102 – Advanced Welding (3)
- WELD 1103 – Metal Fabrication (3)
- WELD 1104 – Gas Metal Arc Welding (3)
- WELD 1105 – Gas Tungsten Arc Welding (3)
- WELD 2102 – Advanced Welding Applications (2)

Complete one of the following:

- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1020 – Introduction to Computer Applications (2)

Total Basic Level Welding Certificate Units: 23

All courses must be completed with a grade of C or better.

Students will have the opportunity to receive certification in basic positional welds, tungsten welds, and wire welding processes.

Welding–Advanced Level

Requirements for the Certificate
Complete the following:

- WELD 0957 – Power Plant and Field Pipe Welding (3)
- WELD 1101 – Beginning Welding (3)
- WELD 1102 – Advanced Welding (3)
- WELD 1103 – Metal Fabrication (3)
- WELD 1104 – Gas Metal Arc Welding (3)
- WELD 1105 – Gas Tungsten Arc Welding (3)
WELD 2101 – Weld Qualification (3)
WELD 2102 – Advanced Welding Applications (2)

Complete one of the following:
- BA 1004 – Business Communications (3)
- ENGL 1001 – College Composition (3)

Complete one of the following:
- BA 0959 – Business and Practical Math (3)
- Any one MATH course approved for COSGE

Complete one of the following:
- CSCI 1001 – Introduction to Computer Science (3)
- CSCI 1020 – Introduction to Computer Applications (2)

Total Advanced Level Certificate Units: 31-32

All courses must be completed with a grade of C or better.

Courses

WELD 0957
POWER PLANT AND FIELD PIPE WELDING I
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: WELD 1102

This is an intermediate course designed to prepare students in power plant and field welding. This course includes shop safety, oxyacetylene cutting, air carbon arc cutting, shielded metal arc welding, and pipe welding. Students are required to furnish their own safety glasses and gloves. (AA, CSU)

WELD 0958
ADVANCED POWER PLANT AND FIELD PIPE WELDING II
3 units, 16-18 lecture hours / 80-90 lab hours
Graded
Prerequisite: WELD 0957

This is an advanced course designed to enable students to become qualified by the American Society of Mechanical Engineers per section IX in the field of industrial pipe welding. This course includes shop safety, oxyacetylene cutting, air carbon arc cutting, and pipe welding using the shielded metal arc process. Pipe coupons will be prepared and welded in the (6G) fixed position. Students are required to furnish their own safety glasses and gloves. (AA)

WELD 1101
BEGINNING WELDING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded

This is a beginning welding course designed for the student interested in acquiring basic welding skills to be used in trade or service occupation. Emphasis is placed on arc welding in the flat and horizontal positions. Students are required to furnish their own safety glasses and gloves. (AA, CSU)

WELD 1102
ADVANCED WELDING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded

This is an advanced welding course designed for the student interested in acquiring the essential welding skills necessary to function in a trade or service occupation. Emphasis is placed on oxy-acetylene cutting and arc welding in the vertical and overhead position. Students are required to furnish their own safety glasses and gloves. (AA, CSU)

WELD 1103
METAL FABRICATION
3 units, 32-36 lecture hours / 64-72 lab hours
Graded

This is a beginning metal fabrication course designed for the student interested in acquiring basic fabrication skills to be used in trade or service occupation. Emphasis is placed on metal fabrication and iron working equipment. Students are required to furnish their own safety glasses and gloves. This course may be taken for credit a total of three times. (AA, CSU)

WELD 1104
GAS METAL ARC WELDING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded

This is a beginning course designed for students interested in acquiring the essential welding skills necessary to function in a trade or service occupation. Emphasis is placed on machine setting wire, weld joints, and position. Students are required to furnish their own safety glasses and gloves. This course may be taken for credit a total of two times. (AA, CSU)

WELD 1105
GAS TUNGSTEN – ARC WELDING
3 units, 32-36 lecture hours / 64-72 lab hours
Graded

This is an advanced welding course designed for the student interested in acquiring basic welding skills to be used in a trade or service occupation. Emphasis is placed on Gas Tungston Arc Welding. Students are required to furnish their own safety glasses and gloves. (AA, CSU)

WELD 2101
WELD QUALIFICATION
3 units, 32-36 lecture hours / 64-72 lab hours
Graded
Prerequisite: WELD 1102

This course is designed for the student seeking employment as a qualified production welder. The student can qualify in plate to the appropriate code in the F.C.A.W., G.M.A.W., G.T.A.W., and S.M.A.W. processes. This course may be taken for credit a total of two times. (AA, CSU)
General Description

The Work Experience Program is part of the total educational process and assists students in career exploration, employment preparation, and skills development while allowing the student to advance within their career area or explore career opportunities. College of the Siskiyous' Work Experience Program is an academic program. Learning takes place in the public or private sector through internships, volunteer work, and/or student employment. The program’s purpose is to enhance a student’s education by providing an opportunity for on-the-job training and practical learning. College of the Siskiyous offers two types of Work Experience Opportunities: Occupational and General. Registration requires Coordinator approval. The number of units a student receives is dependent on the number of hours the student works during the semester.

Occupational Work Experience (1 – 8 units per semester)
General Work Experience (1 – 6 units per semester)

Note: A student can earn a maximum of 16 units of work experience over the course of four semesters.

Contact the Work Experience Program Coordinator at 530.938.5305 to enroll in WEE 2010.

Courses

WEE 2010
GENERAL WORK EXPERIENCE
0.5–6 units, 30–450 lab hours
Graded

General Work Experience is supervised employment which is intended to assist students in acquiring desirable work habits, attitudes, and career awareness. The work experience needs not be related to the student’s educational goals. Students can earn a maximum of 6 semester units, 0.5–6 units/semester. This course may be taken for credit a total of four times. (AA, CSU)
# Telephone Directory

**General Information:** 530.938.5555 and Toll Free: 1.888.397.4339

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shawn Abbott</td>
<td>530.938.5275</td>
</tr>
<tr>
<td>Jude Baldwin</td>
<td>530.938.5330</td>
</tr>
<tr>
<td>Kevin Broussard</td>
<td>530.938.5320</td>
</tr>
<tr>
<td>Cora Brownell</td>
<td>530.841.5902</td>
</tr>
<tr>
<td>Brian Bush</td>
<td>530.841.5978</td>
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<tr>
<td>Kim Butler</td>
<td>530.841.5987</td>
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<tr>
<td>Neil Carpenter-Alting</td>
<td>530.938.5206</td>
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<tr>
<td>Jesse Cecil</td>
<td>530.938.5316</td>
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<tr>
<td>Dave Clarke</td>
<td>530.938.5250</td>
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<tr>
<td>Hallie Coppi</td>
<td>530.841.5991</td>
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<tr>
<td>Maria Fernandez</td>
<td>530.938.5268</td>
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<tr>
<td>Tim Frisbie</td>
<td>530.938.5389</td>
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<tr>
<td>Jim Gilmore</td>
<td>530.938.5294</td>
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<tr>
<td>Michael Graves</td>
<td>530.938.5536</td>
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<tr>
<td>Sunny Greene</td>
<td>530.938.5297</td>
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<tr>
<td>Denis Hagarty</td>
<td>530.938.5340</td>
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<tr>
<td>Jenny Heath</td>
<td>530.938.5262</td>
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<tr>
<td>Billy Hefflinger</td>
<td>530.938.5231</td>
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<tr>
<td>Dr. Bill Hirt</td>
<td>530.938.5255</td>
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<tr>
<td>Dr. Ahmed Ismail</td>
<td>530.938.5253</td>
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<tr>
<td>Sean Kenny</td>
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<tr>
<td>Tom Powers</td>
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<td>Mike Read</td>
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<tr>
<td>Dr. Steve Reynolds</td>
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<tr>
<td>Charlie Roche</td>
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<tr>
<td>Ronald Slabbinck</td>
<td>530.938.5315</td>
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<tr>
<td>Patrice Thatcher-Stephens</td>
<td>530.841.5290</td>
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<tr>
<td>Mike Tischler</td>
<td>530.938.5322</td>
</tr>
<tr>
<td>Jayne Turk</td>
<td>530.938.5328</td>
</tr>
<tr>
<td>Chris Vancil</td>
<td>530.938.5564</td>
</tr>
<tr>
<td>Alison Varty</td>
<td>530.938.5249</td>
</tr>
</tbody>
</table>

Part-time Faculty can be contacted through their Area Dean.

**Dean of Liberal Arts & Sciences...** 530.938.5375

**Dean of Career and Technical Education...** 530.938.5512

Assistant Dean of Kinesiology, Health, and Athletics... 530.938.5368

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Academic Success Center</td>
<td>530.938.5830</td>
</tr>
<tr>
<td>Computer Lab</td>
<td>530.938.5324</td>
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<tr>
<td>Math Lab</td>
<td>530.938.5365</td>
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<tr>
<td>Reading Lab</td>
<td>530.938.5300</td>
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<tr>
<td>Tutoring Services</td>
<td>530.938.5514</td>
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<tr>
<td>Writing Lab</td>
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<tr>
<td>Adjunct Faculty Office</td>
<td>530.938.5163</td>
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<tr>
<td>Administration of Justice</td>
<td>530.938.5599</td>
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<tr>
<td>Administrative Services</td>
<td>530.938.5220</td>
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<tr>
<td>Admissions &amp; Records</td>
<td>530.938.5500</td>
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<tr>
<td>Alcohol/Drug Studies/Human Services</td>
<td>530.938.5512</td>
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<tr>
<td>Associated Student Board</td>
<td>530.938.5280</td>
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<tr>
<td>Athletic Department</td>
<td>530.938.5368</td>
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<tr>
<td>Business Services</td>
<td>530.938.5203</td>
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<tr>
<td>CallWORKs</td>
<td>530.938.5309</td>
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<tr>
<td>Campus Gift &amp; Book Shop</td>
<td>530.938.5236</td>
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<tr>
<td>Campus Safety</td>
<td>530.938.5237</td>
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<tr>
<td>CARE - Cooperative Agencies Resources for Education</td>
<td>530.938.5309</td>
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<tr>
<td>Career &amp; Technical Education (CTE)</td>
<td>530.938.5512</td>
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<tr>
<td>Chartwell’s Café</td>
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<tr>
<td>Computer Lab</td>
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<tr>
<td>Counseling and Advising Services</td>
<td>530.938.5353</td>
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<tr>
<td>Dean of Liberal Arts &amp; Sciences</td>
<td>530.938.5375</td>
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<tr>
<td>DSPS - Disabled Students Programs and Services</td>
<td>530.938.5297</td>
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<tr>
<td>Discovery Child Development Center</td>
<td>530.938.5352</td>
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<tr>
<td>Distance Learning/Videoconferencing</td>
<td>530.938.5520</td>
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<tr>
<td>Eagle’s Nest Thrift Store</td>
<td>530.938.4663</td>
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<tr>
<td>Early Childhood Education</td>
<td>530.938.5290</td>
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<td>Enrollment Services (Admission &amp; Records/Financial Aid)</td>
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<td>EOPS – Extended Opportunity Programs &amp; Services</td>
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<td>Financial Aid</td>
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<td>Food Services</td>
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<td>Foster Kinship Care Education</td>
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<td>Foundation</td>
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<td>Health, PE &amp; Recreation</td>
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<tr>
<td>Human Resources</td>
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<td>Information Technology Services</td>
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<td>Institutional Advancement</td>
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<tr>
<td>Library</td>
<td>530.938.5331</td>
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<tr>
<td>Lodges (Residence Halls)</td>
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<tr>
<td>Maintenance</td>
<td>530.938.5233</td>
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<tr>
<td>Math Lab</td>
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<tr>
<td>Nursing Department</td>
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<td>President’s Office</td>
<td>530.938.5200</td>
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<td>Public Relations &amp; Foundation</td>
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<td>Reading Lab</td>
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<tr>
<td>Research &amp; Evaluation</td>
<td>530.938.5521</td>
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<tr>
<td>Residence Halls (Lodges)</td>
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<tr>
<td>Rural Health Sciences Institute</td>
<td>530.841.5918</td>
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<tr>
<td>SSS – Student Support Services</td>
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<tr>
<td>Student Life</td>
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<tr>
<td>Transfer Center</td>
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<tr>
<td>Tutoring Services</td>
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<tr>
<td>Upward Bound</td>
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<tr>
<td>Vintage Nest</td>
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<tr>
<td>VP Academic Affairs</td>
<td>530.938.5201</td>
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<tr>
<td>Work Experience</td>
<td>530.938.5305</td>
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<tr>
<td>Writing Lab</td>
<td>530.938.5325</td>
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<tr>
<td>Yreka Campus</td>
<td>530.841.5550</td>
</tr>
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<td>Yreka Student Support Services</td>
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Top 10 Reasons Students Choose College of the Siskiyous

1. A beautiful location
Located at the base of Mt Shasta, our campus and surrounding area are breathtaking. With our distinct seasons, you can enjoy an abundance of outdoor recreational activities throughout the year!

2. Graduation and Transfer Rates
COS has a 7.61% higher degree completion and transfer rate than the state average. Transfer rates, specifically, are significantly higher (20%).

3. Great academic and career programs
We offer exceptional transfer and career programs in administration of justice, business, fire, language arts, music, nursing, paramedic/EMT, sciences, social sciences, theatre arts, and welding, just to name a few.

4. Small campus and class sizes
Don’t be just another face in the crowd! At COS, our size allows for greater individual attention from instructors and staff.

5. A faculty and staff that care
We have a very knowledgeable and experienced faculty and staff. You will find a smile and a helpful attitude whether you are in an office or walking across campus. We know our students and care about their success.

6. Convenient on-campus housing
We offer on-campus student lodges complete with meal plan options - it saves transportation cost, travel time and provides students an opportunity to enjoy a complete college and community experience.

7. Great support programs
Focusing on student success, we offer a wide variety of support services which provide individualized guidance and assistance to students. COS also offers tutoring, an academic success center, and student success seminars free to all enrolled students.

8. Highly competitive athletic programs
College of the Siskiyous boasts conference championships and state level competition in both men’s and women’s intercollegiate sports programs. These programs include baseball, basketball, football, softball, track, and volleyball, with a planned expansion into men’s and women’s soccer.

9. A safe environment
We offer an exceptionally safe learning and living environment for our students.

10. Free Parking
COS offers free parking for everyone. Parking lots are conveniently located close to your classes and important offices.