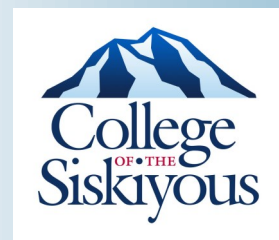


# College of the Siskiyous 2019-20 Catalog



# College of the Siskiyous



## A Public California Community College 2019 - 2020 Catalog

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[www.siskiyous.edu](http://www.siskiyous.edu)

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Alternate Format: This catalog can be provided in alternate format (electronic text, Braille, large print, etc.)

Contact the Disabled Students Programs and Services Office in Eddy Hall 1 with your request.

E-mail [dsps@siskiyous.edu](mailto:dsps@siskiyous.edu), or call 530.938.5297

This catalog is accessible online at [www.siskiyous.edu/catalog](http://www.siskiyous.edu/catalog).

College of the Siskiyous has made every reasonable effort to ensure that the information published in this catalog reflects current legislation, and accurately represents the College's programs and courses, policies and procedures as of the date of publishing. However, information in this catalog is subject to change without prior notice. Please review the online catalog for updates.

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## Message from the Superintendent/President



**STEPHEN SCHOONMAKER, Ed.D.**  
Superintendent/President

Bachelors of Arts in Sociology, University of Vermont, Burlington; Masters of Science in College Student Personnel Administration, Western Illinois University, Macomb; and Doctorate of Education in Educational Administration - Community College Leadership, New Mexico State University, Las Cruces. COS 2017.

Welcome! Whether you are a returning student, an entering freshman, or someone considering us for your next step along your educational path, I consider you part of our College of the Siskiyous family. You are embarking on a transformational journey; and the faculty, staff, administration, and fellow students are here with you to help support you each step of the way.

The College has a compelling sense of place on both our Weed and Yreka campuses. We have outstanding faculty prepared to engage you in the learning process. Our professional, caring staff and administration are equipped to provide you with the additional resources you need to be successful while here at College of the Siskiyous. There are numerous activities (e.g., internships, athletics, fine arts, etc.) the College offers to help you feel more connected to our campus community. We hope you will take full advantage of all we have to offer.

I encourage you to explore the pages of this catalog. Inside you will not only find information on certificates and degrees in which to focus your educational pursuits, there are important resources here to help you as a student at College of the Siskiyous. During your journey with us you may take classes at one of our campuses, participate in videoconference courses at various locations around Siskiyou County, or take classes online. While you have many choices in the way you connect to learning at the College, our commitment to your success never waivers. We are your academic family, and we are here to help you achieve your educational goals and dreams.

Please reach out to us with any questions you may have about the information in this catalog, or for ways we can be of assistance to you. I look forward to meeting you. I also look forward to the day – not so far in the future – when we meet on stage at graduation, and you are accepting your diploma earned while here at the College.

## Board of Trustees



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## 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.

## **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.

## **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

## **About College of the Siskiyous**

Established in 1957, College of the Siskiyous is one of 115 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.

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, Law Enforcement, 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 Student Programs and Services (DSPS), Extended Opportunity Programs and Services (EOPS), support programs, textbook sales and buy backs, and tutoring services. COS is also one of only eleven community colleges in California to offer students on-campus lodging.

Weed Campus facilities include a 562-seat theater, 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.

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). 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 include a computer lab with full Internet access, general purpose classrooms, multiple classrooms with videoconferencing capabilities, fully-equipped physical education room, manufacturing center, makerspace, 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.

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/bpap/policies/academic/bp4030.pdf](http://www.siskiyous.edu/bpap/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](http://www.siskiyous.edu/accreditation)

College of the Siskiyou 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, Level II, and Level I are accredited by the California Commission on Peace Officer Standards and Training (POST).

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 (CNA), 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](http://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 Student Support Programs to assist all students.



## **mySiskiyous: Steps to Success**

[www.siskiyous.edu/admissions](http://www.siskiyous.edu/admissions)

Whether you are a first-time college student, a transfer student, returning to school after one or more semesters, or taking classes to upgrade your job skills, College of the Siskiyous can assist you in achieving your goals.

Here are the steps to apply, be admitted, and get registered:

### **Application Process:**

1. Go to the COS home page ([www.siskiyous.edu](http://www.siskiyous.edu)) Click on the “Apply Now” button located on the homepage. After clicking on the button you will be redirected to the California Community Colleges website.
2. Once at the redirected page there is the option to “Create an Account” or “Sign In”.  
Note\*\*If you have previously applied through CCCApply you will **NOT** be able to create a new account. You may select “Forgot?” to retrieve your username and password.
3. If you are a new student and have never applied through CCCApply, click on “Create an Account.” This will direct you to a page where you will click on “Begin Creating My Account.” Fill out the application including: (1) Personal Information (2) Education (3) Citizenship/Military (4) Residency (5) Needs & Interests (6) Supplemental Questions (7) Consent (8) Review Application (9) Submission
4. Once application is submitted you will receive a confirmation email from [support@openccc.net](mailto:support@openccc.net) stating a New OpenCCC Account has been created/[your application has been submitted](#).
5. After completion of CCCApply it takes approximately 24 hours to receive an acceptance email and/or letter from College of the Siskiyous. The information provided in the email/letter will provide the new student with a Student ID number, login information for mySiskiyous, and the next steps of the admission process.
6. Some courses will require prerequisites in order to enroll, specifically math and English. COS uses a holistic approach in assessing a student's overall preparedness for such courses (e.g. SAT/ACT scores, high school transcripts, prior college transcripts, other assessments, etc). Contact Counseling and Student Support Programs at (530) 938-5353 to discuss the types of documentation that could be used.
7. Schedule an in person or online SOAR by contacting Counseling and Student Support Programs.  
Phone: (530) 938-5353 or [counselingservices@siskiyous.edu](mailto:counselingservices@siskiyous.edu)
8. All fees are due upon registration. You may pay for your class in one of three ways:
  - a. Financial Aid([www.siskiyous.edu/financialaid](http://www.siskiyous.edu/financialaid))
  - b. Payment Plan (Contact the Business Office at (530) 938-5310 or [businessoffice@siskiyous.edu](mailto:businessoffice@siskiyous.edu))
  - c. Pay in full online (mySiskiyous), call (530)938-5310, or pay in person.
9. Twenty-four hours after you register for classes, activate your COS email by logging into mySiskiyous and clicking on the email envelope icon at the top right of the page and follow the prompts. **All correspondence will be sent through this email address and it's important that you check it regularly. Helpful Hint:** You can have your COS emails automatically forwarded to your personal email by following the steps in your COS email. Click on the settings icon at the top right, click "options." "forward your email" and then enter the desired email address.



## **General Information**

### **Assessment**

[www.siskiyous.edu/counseling/assessment](http://www.siskiyous.edu/counseling/assessment)

If you will be taking a math and/or English course as part of your educational goal, appropriate course placement is an important first step to college. A counselor or advisor will assist you in determining the level of course appropriate for you.

We will need transcripts from high school and college, if you have them. That information will assist us with placing you in your course. Please contact the Counseling and Student Support Programs Office for more information regarding our assessment process.

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](mailto:counselingservices@siskiyous.edu), or mail to the COS Counseling Services Office, 800 College Ave, Weed CA, 96094.

### **Audit Policy**

[www.siskiyous.edu/bpap/procedures/academic/AP4070.pdf](http://www.siskiyous.edu/bpap/procedures/academic/AP4070.pdf)

Under certain conditions, COS will allow students to audit classes. These conditions include:

- 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 Admissions and Records Office, the Counseling and Student Support Programs 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, the Counseling and Student Support Programs Office is available to help students register in other classes consistent with their interests and goals.

### **Census Day and Late Add Policy**

[www.siskiyous.edu/bpap/procedures/services/AP5075.pdf](http://www.siskiyous.edu/bpap/procedures/services/AP5075.pdf)

Forms and additional information regarding the Late Add policy are available in the Admissions & Records Office and the Counseling and Student Support Programs Office. Please follow the guidelines below regarding the census day and the Late Add Policy:

1. Census Day is the date when COS reports enrollment to the state. Census Day at College of the Siskiyous is typically 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, winter and summer term classes.
2. 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.
3. COS will not approve any late add requests without written attendance confirmation from the instructor.

### **Change of Student Information**

Any change of a student's information including name, address, major, or residence should be submitted to the Admissions & Records Office. Name changes require legal documentation.

### **Class Conflict/Overlapping Classes** [www.siskiyous.edu/bpap/procedures/academic/ap 4226.pdf](http://www.siskiyous.edu/bpap/procedures/academic/ap 4226.pdf)

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 Student Support Programs Office or the Admissions & Records Office and must be approved by the instructor of the class affected and the appropriate Dean.

## English/ESL Limitations

Students may apply only one below transferable level English or ESL course toward the associate degree (as an elective). For further information regarding English and ESL course limitations contact the Counseling and Student Support Programs Office at 530.938.5353.

## Enrollment Fee, Non-Resident Tuition, and other Fees

[www.siskiyous.edu/admissions/tuition.htm](http://www.siskiyous.edu/admissions/tuition.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 per unit

### Non-Resident Tuition in addition to Enrollment Fee

Effective fall 2019

1 unit or more..... \$311 per unit

.5 unit ..... \$155.50 per unit

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, AB 540 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 AB 540, contact the Admissions Office at 530.938.5500.

***AB 2364 Nonresident Tuition Fee Exemption for Qualified Nonresident Special "Part-Time" Dual Enrollment Students*** AB 2364 (Holden, 2016), effective January 1, 2017 sets a mandatory nonresident tuition fee exemption for qualified nonresident special "part-time" students participating in dual enrollment programs. A special part-time student is a student participating in a College and Career Access Pathways (CCAP) partnership agreement and enrolled in no more than 15 units per term, as specified. Under non-CCAP dual enrollment, qualifying special part-time student status permits enrollment up to 11.99 credit units per term in accordance with Education Code section 76001(d)

AB 2364 amends the Education Code to provide that a community college district may not charge a special part time student these tuition fees, except it may charge such fees to a "nonimmigrant alien" as defined under federal law. The definition of nonimmigrant alien includes but is not limited to specified foreign governmental officials such as ambassadors, aliens employed by or serving foreign government officials, a person engaged in specified trade in the United States, and an alien having residence in a foreign nation which he or she has no intention of abandoning who is a bona fide student qualified to pursue a temporary course of study in the United States.

*(AB 2364 amends Sections 76004 and 76140 of the Education Code.)*

[\* As an interpretation of AB 2364, please note that the Chancellor's Office has determined that nonresident special part-time students that hold a "T" or "U" non-immigrant visa would NOT be excluded from this required nonresident tuition fee exemption and that eligible special part-time students must reside in California during the period of attendance.]

### ***AB 13 Nonresident Tuition Exemption: Veterans.***

Approved by the governor in 2014, AB 13 created a nonresident tuition exemption for Veterans that exempts veteran students of the California Community College system who were members of the Armed Forces of the United States stationed in California on active duty for more than one year immediately prior to being discharged from paying nonresident tuition for the length of time he or she lives in the state after being discharged up to the minimum time necessary to become a resident.

Existing law also exempts students if he or she is enrolled, or intending to enroll, at a campus of the California Community Colleges from paying nonresident tuition for up to one year if he or she files an affidavit with the institution stating that he or she intends to establish residency in California as soon as possible. Existing law requires a student to use this exemption within 2 years of being discharged.

### **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 Admissions & Records office 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 Student Services Office at 530.938.5374.

### **Health Fee**

Fall/Spring Semester & Summer Session

0 to 11.5 units ..... \$17.00

12 units or more ..... \$20.00

The mandatory health fee is collected to cover the cost of student accident insurance, a mental health counselor, and to help fund the operational expenses of the Student Health Center.

Exemptions to this fee shall be provided for:

- Students enrolled exclusively in contract education, non-credit, and public safety in-service classes
- Students who depend exclusively upon prayer for healing in accordance with the teaching of a bona fide religious sect, denomination, or organization
- Students who are attending a community college under an approved apprenticeship training program
- Students who are special admits/dually enrolled K-12 students

### **Student Activities Fee**

The Student Activities fee is charged to each student at the rate of \$1 per unit (up to a maximum of \$5 per semester). The fee is used by the Associated Student Board to support campus clubs, social events, and educational opportunities for all students. The fee is optional. Students who wish to opt out of paying this fee must submit their request at <http://www.siskiyous.edu/organizations/asb/waivefees.htm> The request must be made prior to the first day of the semester for which the waiver is requested.

### **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 Admissions Records office or online.

### **Student Center Fee**

A Student Center Fee was approved by the student body in spring 2012. The \$1 per unit charge (up to a maximum of \$5 per semester) will be paid by all students except:

- Students who qualify for California College Promise Grant/Part A
- Student enrolled in non-credit/0-unit courses only

Students meeting the requirements for a waived Student Center Fee must file a petition with the Admissions and Records office.

### **Course Material Fees**

In addition to enrollment fees, the College may charge an instructional materials fee to students for instructional and other materials necessary for some courses. Check with the Enrollment Services Office for the most current fee information. These fees may not be waived with the Board of Governor's Fee Waiver (BOGFW) and are not optional. Material fees will not be refunded after the first class meeting.

## Free Application for Federal Student Aid (FAFSA) & Financial Aid

[www.siskiyous.edu/financialaid](http://www.siskiyous.edu/financialaid)

Complete the FAFSA (Free Application for Federal Student Aid) by logging onto <https://studentaid.gov/h/apply-for-aid/fafsa>. Remember to add the College of the Siskiyous school code (001187) to your list of colleges. Students, parents, and borrowers are required to create an FSA ID which is made up of a username and password. Your FSA ID is used to confirm your identity when accessing your financial aid information and electronically signing your FAFSA every academic year that you apply. Go to <https://studentaid.gov/apply-for-aid/fafsa/filling-out> to create your FSA ID now. Students should regularly check their mySiskiyous “Billing and Financial Aid” tab to ensure they have completed their COS financial aid file.

## Gainful Employment Programs

[www.siskiyous.edu/gainfulemployment/index.htm](http://www.siskiyous.edu/gainfulemployment/index.htm)

Gainful Employment Programs are those programs that prepare students for gainful employment in a recognized occupation. The Department of Education suggests that students visit O\*NET at <https://www.onetonline.org/> for more information on occupations.

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

- Accounting
- Business
- Business - Administrative Assistant
- Emergency Medical Services – Paramedic
- Firefighter Academy
- Nursing – LVN
- Welding - Basic Level
- Welding – Advanced

## Housing

[www.siskiyous.edu/lodges](http://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 (call or text) or check us out online.

## International Students

[www.siskiyous.edu/international](http://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:

- 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 Instruction, 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 and provide proof of coverage.

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/bpap/policies/academic/bp4260.pdf](http://www.siskiyous.edu/bpap/policies/academic/bp4260.pdf)

Prerequisites are requirements that a student must have to be eligible to enroll in certain courses. 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. 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.

### **Prerequisite Challenge Process**

[www.siskiyous.edu/bpap/procedures/academic/AP4260.pdf](http://www.siskiyous.edu/bpap/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 they do not satisfy stated entrance requirements for a particular class or program. The challenge petition form is available online and from Counseling and Student Support Programs Office. 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 Student Support Programs Office at 530.938.5353.

### **Refunds**

[www.siskiyous.edu/admissions/tuition.htm](http://www.siskiyous.edu/admissions/tuition.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 for Refund of Enrollment Fees**

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 Admissions 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’s 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/bpap/procedures/academic/AP4222.pdf](http://www.siskiyous.edu/bpap/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) students and students identified by the District as having a disability 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 Student Support Programs Office at 530.938.5353.

### **Repetition of Courses**

[www.siskiyous.edu/bpap/procedures/academic/AP4225.pdf](http://www.siskiyous.edu/bpap/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 Admissions & Records Office or the Counseling and Student Support Programs 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 Admissions & Records 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”:

1. Students may enroll in the same course a maximum of three times, or until a non-substandard grade is achieved.
2. An “enrollment” is any attempt to pass a course in which a grade symbol, including “W”, is earned.
3. When a student attempts to register for a class a third time, the student must obtain an Enrollment Limit Petition from Counseling and Student Support Programs Office 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.
4. After three enrollments, a student may only request to audit a course.
5. 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.
6. 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.

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 Admissions & Records Office.

## Residency Requirements

[www.siskiyous.edu/admissions/residency.htm](http://www.siskiyous.edu/admissions/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 preceding the first day of instruction shall be the residency determination date for all summer sessions.

### **Resident**

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 they seek admission. The applicant must also prove that they intend to make California their 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 they seek admission.

### **Unknown – Possible Resident**

Needs further documentation.

### **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 necessary that there be both "act" and intent. The act necessary to establish legal residency is physical presence of one year and one day 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 Admissions & Records 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 Siskiyous District Board Policy. These regulations are available in the Admissions & Records Office and are subject to the interpretation of the College.

## SOAR Session: Siskiyou Orientation, Advising, and Registration

[www.siskiyous.edu/counseling/orientation](http://www.siskiyous.edu/counseling/orientation)

Schedule an appointment for orientation and advising in the Counseling and Student Support Programs Office. 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/admissions/k12](http://www.siskiyous.edu/admissions/k12)

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 Student Support Programs Office at 530.938.5353 or online.

## Student ID Card

[www.siskiyous.edu/organizations/asb/StudentID.htm](http://www.siskiyous.edu/organizations/asb/StudentID.htm)

This card is available to all students who pay for units at College of the Siskiyous. 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 arrangements to have their Student ID Card printed or updated for each year.

## **Transcripts**

[www.siskiyous.edu/admissions/transcripts.htm](http://www.siskiyous.edu/admissions/transcripts.htm)

Students who wish to obtain an official copy of their transcripts can do so by picking up the transcript request form at Admissions Office, downloading the form online, or submitting the form online through mySiskiyous. 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**

Admissions & Records does not print or process unofficial transcripts. Students who need an unofficial copy of their transcript can log onto their online mySiskiyous account and print the transcript from there. If they need the transcript emailed or faxed for school or work purposes they can go to the Counseling and Student Support Programs 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.

### **Emergency/On Demand Copies**

Emergency processing is defined as instant processing where there is a maximum 24-hour response time for the official transcript to be printed. The cost is \$20.00 for this service.

## **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 Admissions & Records, 800 College Avenue, Weed, CA, 96094.

## **Unit Limitations**

[www.siskiyous.edu/bpap/procedures/services/ap5111.pdf](http://www.siskiyous.edu/bpap/procedures/services/ap5111.pdf)

Students who wish to register for more than 18 units during a fall or spring semester must have the written approval of a COS counselor.

Students may enroll in ADJ 2050, or ADJ 2517, ADJ 2516, and/or ADJ 2014 or FIRE 0950 during fall and spring semesters without meeting these unit and GPA requirements. Fire 0950 Students may also enroll in EMS 9065 and FIRE 2949.

Students who register for more than the allowable number of units without obtaining approval will be administratively dropped from the most recently added course(s). The student will be notified should this occur.

## **Wait Lists for "Closed" Classes**

[www.siskiyous.edu/admissions/waitlist.htm](http://www.siskiyous.edu/admissions/waitlist.htm)

### **What Should You Do If You Are On The Waitlist?**

Check your COS email frequently. If and when there is an opening in the class the computer system will notify you through your COS email. If you are having trouble with your COS email contact the Student Help Desk as soon as possible. It is best to do this immediately so it does not postpone receiving your notification. Support is available by phone at (530) 938-5523 or email StudentHelpDesk@siskiyous.edu. For current hours see the Student Help Desk page. Have your name, Student ID or SSN and Date of Birth available for identification purposes.

You will have 24 hours from the time you receive the email to register for the class.

If you do not register in this time, your spot will be offered to the next person in line and you will need to get back on the waitlist.

#### **Please Note:**

- Please make sure that all fees have been paid and prerequisites have been cleared or you will be unable to complete this process.
- If you are a K-12 Special Admit you are unable to register online. You will need to download an Add/Drop form and send to College of the Siskiyous, Admissions, 800 College Ave, Weed, CA 96094, or email as an attachment to registration@siskiyous.edu or fax to (530) 938-5367.

If you do not get a notification prior to the first day of class you should go to the class. If you are in an online course you can contact your instructor via email. In either case if the instructor is able to add you he/she will provide you with an add authorization code to add the course.

If you have any questions, please call the College of the Siskiyous Admissions office at (530) 938-5500 or email registration@siskiyous.edu



## Withdrawal/Drop Policy

[www.siskiyous.edu/bpap/procedures/services/AP5075.pdf](http://www.siskiyous.edu/bpap/procedures/services/AP5075.pdf) [www.siskiyous.edu/admissions/adddrop.htm](http://www.siskiyous.edu/admissions/adddrop.htm)

Students are responsible for withdrawing from classes they are no longer attending by contacting the Admissions 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](http://www.siskiyous.edu/calendars)

College of the Siskiyous operates on a 16-week semester calendar (fall and spring) with one or two summer sessions and a winter intersession. Academic calendars are available upon request in the Instruction 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/bpap/procedures/academic/AP4240.pdf](http://www.siskiyous.edu/bpap/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 Admissions Office, Counseling and Student Support Programs Office, or online.

## Acceptance of Transfer Credit

[www.siskiyous.edu/bpap/procedures/academic/AP4237.pdf](http://www.siskiyous.edu/bpap/procedures/academic/AP4237.pdf)

**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 accredited 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.

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

## Attendance

[www.siskiyous.edu/bpap/procedures/services/AP5070.pdf](http://www.siskiyous.edu/bpap/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.

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.

Each student has the responsibility to:

- Notify the instructor of absences in advance for all scheduled activities including class meetings. 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/bpap/procedures/academic/AP4237.pdf](http://www.siskiyous.edu/bpap/procedures/academic/AP4237.pdf)

### U.S. Armed Service Schools

COS credit for Armed Services Training 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 Admissions. All transcript notations are marked as "AP CREDIT." Contact the Counseling and Student Support Programs office for additional information.

### College Level Examination Program (CLEP) Exams

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

### International Baccalaureate (IB) Program

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

## Catalog Rights

[www.siskiyous.edu/bpap/procedures/academic/AP4100.pdf](http://www.siskiyous.edu/bpap/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 summer session and concludes at the end of the spring semester. 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 Student Support Programs 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 18 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 1-5 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 Student Support Programs 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.
- 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 Admissions & Records Office or the Counseling and Student Support Programs office.

## Grading

[www.siskiyous.edu/bpap/procedures/academic/AP4230.pdf](http://www.siskiyous.edu/bpap/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, EW, 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	Grade Points
A Excellent	4 per unit
B Good	3 per unit
C Satisfactory	2 per unit
D Passing – (less than satisfactory)	1 per unit
F Failing	0 per unit
FW Fail/Withdrawal	0 per unit
P Pass (Satisfactory)	0 per unit
NP No Pass	0 per unit
I Incomplete	0 per unit
IP In Progress	0 per unit
EW Extenuating Circumstances	0 per unit
W Withdrawal	0 per unit
MW Military Withdrawal	0 per unit
SP Non-Credit progress	0 per unit

### **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 Admissions & Records 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 14<sup>th</sup> 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 Admissions & Records. 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/bpap/procedures/services/AP5530.pdf](http://www.siskiyous.edu/bpap/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/bpap/procedures/academic/AP4050.pdf](http://www.siskiyous.edu/bpap/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 Instruction Office.

### **Probation and Dismissal**

[www.siskiyous.edu/bpap/procedures/academic/AP4250.pdf](http://www.siskiyous.edu/bpap/procedures/academic/AP4250.pdf)

[www.siskiyous.edu/bpap/procedures/academic/AP4255.pdf](http://www.siskiyous.edu/bpap/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](http://www.siskiyous.edu/schedules)

Each semester, College of the Siskiyous develops a Schedule of Classes that will be offered during the academic year. This schedule is available online. 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 Online Schedule of Classes for the most updated information on our course offerings. Some courses are added and others are canceled after the Schedule is developed therefore a schedule addendum is available on the website [www.siskiyous.edu/schedule](http://www.siskiyous.edu/schedule); however the most accurate schedule is online as it updates immediately when changes are made.

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 Admissions & Records or Counseling and Student Support Programs 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

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

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 Admissions and Records 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

[www.siskiyous.edu/bpap/procedures/services/AP5500.pdf](http://www.siskiyous.edu/bpap/procedures/services/AP5500.pdf)

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 their 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 their 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 their own ideas.

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

## **Alcohol**

[www.siskiyous.edu/bpap/procedures/general/AP3560.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3560.pdf)

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**

[www.siskiyous.edu/bpap/procedures/general/AP3550.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3550.pdf)

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**

[www.siskiyous.edu/bpap/procedures/general/AP3500.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3500.pdf)

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 College's website or can be obtained by contacting the Student Services 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 Services 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 530.841.5550, the Yreka Police Department 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>.

## **Code of Conduct (AP 5500)**

[www.siskiyous.edu/bpap/procedures/services/AP5500.pdf](http://www.siskiyous.edu/bpap/procedures/services/AP5500.pdf)

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.

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. Sexual assault or sexual exploitation regardless of the victim's affiliation with the District.
9. Committing sexual harassment as defined by law or by District policies and procedures.
10. 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.
11. Engaging in intimidating conduct or bullying against another student through words or name-calling; social isolation or manipulation; and cyberbullying.
12. 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.
13. Disruptive behavior, willful disobedience, regular profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.
14. 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.
15. Dishonesty; forgery; alteration or misuse of college documents, records or identification; or knowingly furnishing false information to the District.
16. Unauthorized entry upon or use of college facilities.
17. Lewd, indecent or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions.
18. 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.
19. The violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
20. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
21. 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.
22. Violation of the District's computer use policy or any conduct that constitutes a computer-related crime under Penal Code, section 502.
23. 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.
24. 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)

[www.siskiyous.edu/bpap/procedures/services/AP5520.pdf](http://www.siskiyous.edu/bpap/procedures/services/AP5520.pdf)

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, they may file an appeal to have their 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 their 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 disgraces 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/bpap/procedures/services/AP5040.pdf](http://www.siskiyous.edu/bpap/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 Admissions and Records 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 Admissions and Records 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 Services 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 Admissions and Records Office.

A copy of COS Board Policy BP 5040 – Student Records, is available for review in the Admissions and Records Office or on the COS website.

## Sexual Assault

[www.siskiyous.edu/bpap/procedures/general/AP3540.pdf](http://www.siskiyous.edu/bpap/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 Student Support Programs 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:

- Ensure that their actions do not involve the use or threat 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 they refrain from the use of vulgar, sexually explicit, or oppressive language which is clearly inappropriate.
- 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 Student Support Programs**

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

### **Statistical Records**

Statistical records will be kept by the Vice President of Student Services on the sexual assault incidents, and these statistics will be made available to the Campus community and the public as required by law.

### **Campus Discipline**

Campus discipline for incidents of student rape and sexual assault will be handled according to Board Policy 3540.

If you have been a victim of rape or sexual assault, here are numbers to call for help:

Emergency	911
Rape Crisis line	530.842.4068
Siskiyou Domestic Violence	530.842.6629 or 530.842.4068
Vice President of Student Services	530.938.5374
Counseling and Student Support Programs	530.938.5353

### **Sexual Harassment**

[www.siskiyous.edu/bpap/procedures/general/AP3430.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3430.pdf)

Sexual harassment is an illegal form of sexual discrimination and a violation of professional ethics.

Harassment is defined as verbal or physical conduct that has the intent or effect of unreasonably interfering with a student's or an employee's educational or work performance. It is also defined as the creation of an intimidating, hostile, or offensive environment.

Sexual harassment, whether subtle or blatant, is unacceptable at College of the Siskiyous. It is in violation of both District policy and civil law and will be addressed with quick and decisive action.

College of the Siskiyous, in order to ensure an environment free from harassment, encourages any individual who believes that they have been sexually harassed to raise the issue and/or to file a complaint according to established procedures. Allegations of inappropriate behavior will be handled confidentially and thoroughly, protecting the rights of all concerned.

The Equal Employment Officer will investigate all allegations of sexual harassment. For a complete copy of the Policy Prohibiting Sexual Harassment, please contact: Theresa Richmond, Equal Employment Officer 530. 938.5317.

### **Smoking**

[www.siskiyous.edu/bpap/procedures/general/AP3570.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3570.pdf)

The College of the Siskiyous buildings and grounds are designated "clean air" facilities per College Procedure AP 3570, and constitute an environment in which students and employees are protected from potential hazards that may be attributed to, or exacerbated by, the use of tobacco products. The Board of Trustees of College of the Siskiyous has established College procedure AP 3570 which states that smoking and use of smokeless tobacco are prohibited in all campus buildings. Smoking of any kind, including use of electronic cigarettes, is allowed inside personal vehicles and in designated outdoor areas only.

### **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 their rights, each student must assume their 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**

[www.siskiyous.edu/bpap/procedures/general/AP3410.pdf](http://www.siskiyous.edu/bpap/procedures/general/AP3410.pdf)

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 they are 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:**

Theresa Richmond  
 Vice-President, Human Resources and Special Projects  
 800 College Avenue  
 Weed, CA 96094  
 530.938.5317

#### **Gender Equity Coordinator:**

Theresa Richmond  
 Vice-President, Human Resources and Special Projects  
 800 College Avenue  
 Weed, CA 96094  
 530.938.5317

## College Services

### Academic Success Center

[www.siskiyous.edu/asc](http://www.siskiyous.edu/asc)

The Academic Success Center (ASC) provides many learning support services to help students develop intellectual and academic confidence while at College of the Siskiyous. At the newly remodeled ASC students can:

- Discover a comfortable place to study
- Utilize our free-access computers
- Print up to 20 pages - FREE
- Check out a laptop for day use in the ASC
- Power up a personal device at our PowerBar
- Schedule appointments for in-person tutoring services
- Access NetTutor for free 24-hour access to professional tutoring services
- Meet with ASC instructors for assistance in English and Math
- Get computer, email or Canvas help at our Student Help Desk
- Attend a free academic success and life skills workshops

All services are free for currently enrolled COS students. Please check-in and check-out at the convenient kiosk located at the ASC entrance. Academic Success Center services are offered on both the Weed and Yreka campuses. Contact the Academic Success Center at 530-938-5830 or go to <http://www.siskiyous.edu/asc> for hours and more detailed 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 530.938.5514 or visit [www.siskiyous.edu/tutoring](http://www.siskiyous.edu/tutoring).

### Art Gallery

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.

### Athletics

<https://coseagles.com/landing/index>

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, women's volleyball, men's and women's soccer, and cross country 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.

### Cafeteria

[www.siskiyous.edu/foodservices/](http://www.siskiyous.edu/foodservices/)

The Eagle Café and Grill are stepping up to provide healthy meals that are not only made to order but address the growing concerns of gluten free, vegan and vegetarian options. There are two restaurants under one roof. In the Grill we offer made-to-order wraps, burgers and other hot sandwiches as well as grab-and-go items for your convenience. The Eagle Café offers daily lunch and dinner specials that incorporate ethnic dishes, classic American dishes and vegan/vegetarian options. It is our goal to provide the freshest possible food made from scratch, with attention to the dietary needs of the populations.

### Campus Gift and Book Store

[www.siskiyous.edu/bookstore](http://www.siskiyous.edu/bookstore)

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.

## Campus Safety

[www.siskiyous.edu/safety](http://www.siskiyous.edu/safety)

College of the Siskiyous is committed to the safety and security of all faculty staff, students and visitors and has contracted with the Weed and Yreka Police Departments to provide public safety and security services at both sites with trained police officers. In addition to patrols, the police officers respond to emergency requests and criminal investigations.

Non-emergency and/or non-criminal incidents may be reported to the Behavior Intervention Team and/or the Vice President of Student Services Office.

24 hours a day/7 days a week

### Emergency: **911**

Weed PD:

Phone: (530) 938-5000

Address: 550 Main St, Weed, CA 96094

Yreka PD:

Phone: (530) 841-2300

Address: 412 W Miner St, Yreka, CA 96097

Monday through Friday, 8:00 am to 5:00 pm Student Services Office:

Phone: (530) 938-5374, Address: John Mantle Student Center, Weed, CA 96094

[StudentServices@siskiyous.edu](mailto:StudentServices@siskiyous.edu)

Behavior Intervention Team: [BIT@siskiyous.edu](mailto:BIT@siskiyous.edu)

## Behavior Intervention Team (BIT)

The College of the Siskiyous Behavior Intervention Team (BIT) is a group of College faculty and staff whose purpose is to meet to focus on interventions with students who are experiencing crisis and/or are displaying harmful or disruptive behavior. The team receives reports, conducts an investigation, performs an assessment, and determines the best mechanisms for support, intervention, warning/notification and response. The team then utilizes its resources and coordinates follow-up. Additionally, the team tracks "red flags" over time, detecting patterns, trends, and disturbances in individual or group behavior and implements Reporting Options:

- Emergency Situations – If you feel threatened, or the person may pose immediate risk of harm to self or others, **call 911** to reach law enforcement.
- BIT Email - If you have any concerns about a student, we encourage you to email the Behavior Intervention Team.
- Incident Report Form – You can submit this form in person or via email to the Student Services Office. We are located in the John Mantle Student Center, Building 1, Weed campus. [www.siskiyous.edu/safety/incidentreport.pdf](http://www.siskiyous.edu/safety/incidentreport.pdf)
- Consultation – Please feel free to call or email us at the Student Services Office, 530. 938.5374, or [StudentServices@siskiyous.edu](mailto:StudentServices@siskiyous.edu)

## Lost and Found

To report or retrieve a lost item, contact the Student Services Office, (530) 938-5374, John Mantle Student Center, Weed, CA.

## Sexual Assault or Harassment and Title IX

Title IX is a federal statute that protects people from discrimination based on sex and prohibits sexual misconduct which affects the student's ability to participate in educational programs and/or activities. All violations of Title IX regulations are taken seriously and investigated thoroughly.

Campus Contact Information:

Report concerns regarding violations of Title IX to the Title IX Coordinator, (530) 938-5317.

To file Student Conduct/Discipline and/or receive assistance, contact Student Services, (530) 938-5374.

## Community Services

[www.siskiyous.edu/foundation](http://www.siskiyous.edu/foundation)

## **COS Foundation**

[www.siskiyous.edu/foundation](http://www.siskiyous.edu/foundation)

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 Siskiyou 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.

The Foundation Board of Directors annually hosts a number of friend and fundraising events for the campus and the community. The annual events include a Golf Tournament, the Country Christmas Holiday Craft Fair, the President's Circle Banquet, the Volunteers Recognition Banquet, the Scholarship Fundraising Dinner Auction, and Giving Tuesday.

Foundation Scholarship applications are available on the College website and are distributed through the Foundation Office. Applications are available January 1st through March 15<sup>th</sup>. Anyone interested in establishing an endowed or one-time memorial scholarship should contact the COS Foundation Office at 530.938.5373.

## **Alumni Association and Circle of Friends**

[www.siskiyous.edu/alumni](http://www.siskiyous.edu/alumni)

The COS Alumni Association reports to the COS Foundation Board of Directors. The Alumni Association's mission is to build and maintain a bridge of friendship that nurtures a beneficial relationship between the College, Foundation, and community. The Alumni Association and Circle of Friends extend an invitation to all individuals who have attended COS, and those who are friends of the College, to join the Association.

## **Use of Facilities**

[www.siskiyous.edu/maintenance/facilityrental.htm](http://www.siskiyous.edu/maintenance/facilityrental.htm)

The College is designed to serve as a facility for community activities in accordance with the provisions of the Civic Center Act. Facilities are available for use by community groups when such use does not interfere with the instructional or Student Support Programs. Fees may be assessed for use of college facilities.

## **Community Education /Lifelong Learning/Continuing Education**

[www.siskiyous.edu/continuinged/](http://www.siskiyous.edu/continuinged/)

Community education is an umbrella term that includes noncredit, contract, and fee-based courses. Community education provides the opportunity for community residents to improve, upgrade, and learn new skills and knowledge. This effort responds to the need for a well-trained workforce, as well as the individual need for intellectual or cultural enrichment. The Continuing Education Program supports the mission of California Community Colleges.

## **COS Connect** (powered by Everbridge)

[member.everbridge.net/index/453003085611736](http://member.everbridge.net/index/453003085611736)

Students are strongly recommended to sign up to receive emergency alerts from the College, such as campus closures, through our campus communication service. You can also receive other COS updates through this service. Choose to receive these via text or email. Create an account online using COS Connect available on the COS home page.



## **Counseling and Student Support Programs**

[www.siskiyous.edu/counseling](http://www.siskiyous.edu/counseling)

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 multiple measures for course placement, selecting courses, formulating an abbreviated, or preliminary educational plan, discussing educational concerns, and providing guidance toward student educational goals.

### **Academic, Career, and Personal 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](http://www.siskiyous.edu/calworks)

CalWORKs is a California Community College program serving CalWORKs students and their families by providing educational and career opportunities and 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**

[www.siskiyous.edu/counseling/career](http://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 and Life Planning is a course that is designed to assist students in exploring their career options and in making career decisions.
- Online career resources 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 and CARE – Cooperative Agencies Resources for Education**

[www.siskiyous.edu/eopscare](http://www.siskiyous.edu/eopscare)

EOPS is a state funded student support program for educationally and economically disadvantaged students. It is designed to provide opportunities in higher education for students with academic potential who may not have chosen a college education without the assistance of EOPS. 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** is a student support program to assist single parents 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:

- 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 workshops

Applications for EOPS/CARE are available at specific times of the year. For more information contact the Counseling and Student Support Programs Office, or check the EOPS/CARE webpage.

### **Personal Counseling**

[www.siskiyous.edu/counseling/personalcounseling.htm](http://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 the Counseling and Student Support Programs office or call 530.938.5353.



## **Siskiyous Orientation, Advising, and Registration (SOAR) Student Orientation** [www.siskiyous.edu/counseling/orientation](http://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 Programs (SSS)**

[www.siskiyous.edu/ssss](http://www.siskiyous.edu/ssss)

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 Siskiyous 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 in the TRiO Programs Office, Counseling and Student Support Programs Office, and online at the SSS webpage.

## **Transfer Center**

[www.siskiyous.edu/counseling/transfer](http://www.siskiyous.edu/counseling/transfer)

Transfer Services 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 through Transfer Services include:

- Access to college catalogs, brochures, and general application information for colleges and universities throughout the nation; 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/advisingresources.htm](http://www.siskiyous.edu/counseling/advisingresources.htm)

Articulation is an agreement between College of the Siskiyous 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](http://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 Student Support Programs Office.

## **Disabled Student Programs and Services (DSPS)**

[www.siskiyous.edu/dsps](http://www.siskiyous.edu/dsps)

The DSPS program provides academic 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:

- **Physical Disability**  
Students with a limitation in locomotion or motor functions.
- **Deaf & Hard of Hearing**  
Students with a total or partial loss of hearing function.
- **Blind & Low Vision**  
Students with a level of vision that limits the student's ability to access the educational process.
- **Learning Disability**  
Students with an average to above-average intellectual ability who exhibit one or more deficits in processing.
- **Intellectual Disability**  
Students exhibiting below average intellectual functioning and potential for measurable achievement.

- **Acquired Brain Injury (ABI)**  
A verified deficit in brain functioning which results in a total or partial loss of cognitive, communicative, motor, psycho-social and/or sensory-perceptual abilities.
- **Attention-Deficit Hyperactivity Disorder**  
Students with a persistent deficit in attention and/or hyperactive and impulsive behavior that limits the student's ability to access the educational process.
- **Autism Spectrum**  
A neuro-developmental disorder that causes limitations in social, academic, occupational, or other important areas of current functioning.
- **Mental Health Disability**  
A persistent psychological or psychiatric disorder, emotional or mental disorder.
- **"Other" Health Conditions & Disabilities**  
This category includes all other verifiable disabilities and health-related limitations that adversely affect education performance but do not fall into any of the other categories. Other Challenges include: Conditions having limited strength, vitality, or alertness due to chronic or acute health problems. Some examples are: Epilepsy - Heart conditions - HIV/AIDS - Cancer.

Academic 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
- Interpreter services for hearing impaired or deaf students
- Note taker services
- Reader services
- Transcription services
- Registration assistance
- Specialized instruction
- Adaptive technology
- Other specialized equipment

For more information, contact Disabled Student Programs and Services at 530.938.5297 or visit them online.

## **Upward Bound**

[www.siskiyous.edu/upwardbound](http://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 2019-2025 entirely from the U.S. Department of Education.

## **Discovery Child Development Center**

[www.siskiyous.edu/discoverycenter/](http://www.siskiyous.edu/discoverycenter/)

Discovery Child Development Center on the College of the Siskiyous Weed Campus is a collaboration between the College of the Siskiyous Early Childhood Education Program and Shasta Head Start. The center serves the families of College of the Siskiyous and the surrounding communities.

The DCDC Head Start program is fully subsidized for qualified families. We encourage all faculty, student and community families to apply for admission to our program.

In addition to offering a preschool program accredited through The National Association for the Education of Young Children, the program serves as a California State Mentor Teacher site and Lab School for the COS Early Childhood Education program.

Our five-day-a-week, developmentally based, preschool is open during the school year and provides a summer program. Discovery offers nutritious and healthful breakfast and lunch prepared in our own kitchen on site.

If you are interested in enrollment at Discovery Child Development Center, or would like more information about our program, please contact us at 530.938.5352.

We serve families with children from three years through kindergarten age.

DCDC is licensed through the State of California and Accredited through The National Association for the Education of Young Children. DSS License #475401755

## Admissions

[www.siskiyous.edu/admissions](http://www.siskiyous.edu/admissions)

The Admissions & Records 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 Aid

[www.siskiyous.edu/financialaid/](http://www.siskiyous.edu/financialaid/)

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 <https://studentaid.gov/apply-for-aid/fafsa/filling-out>. Students must re-apply for financial aid prior to each academic year.

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](http://www.siskiyous.edu/financialaid). Know your rights and responsibilities as a financial aid recipient.

### Sources of Financial Aid

[www.siskiyous.edu/financialaid/grants.htm](http://www.siskiyous.edu/financialaid/grants.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 (EFC), 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 2<sup>nd</sup> deadline.

**Cal Grant A** Awards assist low and middle income students with tuition/fee costs at a four year California University. Grant recipients are selected on the basis of financial need and grade point average.

- If you qualify for a Cal Grant A and want to attend College of the Siskiyous, the Student Aid Commission will hold your award until the transfer to a four-year college, provided that you continue to qualify.
- To be eligible for a new (first time) Cal Grant A, a student may not have completed more than six semesters or nine quarters of college study, and must enroll at least halftime.

**Cal Grant B** Awards are based on financial need and are made to entering students, primarily from low-income backgrounds.

- About half of all new Cal Grant B recipients are expected to begin their college education in a public community college. Therefore, the Cal Grant B award for freshmen is usually limited to the non-tuition costs of attending college – help with living expenses, books and supplies, transportation, etc.
- When renewed by sophomores, juniors, and seniors, a Cal Grant B may also cover all or part of tuition/fee costs.

**Cal Grant C** Awards assist vocational students with tuition/fee and training costs. Recipients must be enrolled in a vocational program at a community college, an independent college, or a vocational school, and must be in a program of study from four months to two years in length. Contact your high school counselor or the College of the Siskiyous Financial Aid Office for more information about vocational areas that qualify.

### **Full-time Student Success Grant (FTSSG) \***

- This is a grant that is given to eligible Cal Grant B and Cal Grant C students who are enrolled full-time (12 or more units).
- The purpose of this grant is to support student persistence, retention, and success for Cal Grant B and Cal Grant C students.

### **Community College Completion Grant (CCCG)\***

The Community college completion Grant (CCCG) is a financial aid award designed to encourage faster completion of the student's degree or certificate.

- The CCCG is paid to students enrolled in and attending at least 15 units.
- The student must be receiving a Full-time Student Success Grant, (FTSSG) award, for the same term.
- The student must attend 15 units per term and complete their education program in the timeframe set up in their Comprehensive Student Educational Plan. The student must meet with a Counselor to create their Comprehensive Student Education Plan by calling Counseling and Student Support Programs at 530.938.5353.
- A cumulative 2.0 GPA is required.

\*Possible consolidation of the FTSSG and CCCG by the State that will be based on number of units enrolled. Review our website [www.siskiyous.edu/financialaid/calgrant.htm](http://www.siskiyous.edu/financialaid/calgrant.htm) for updates

**The California CHAFEE Grant** is free money for current or former California foster youth to assist with college costs for career or technical training. The grant can be used to pay for child care, rent and transportation while you're attending school. CHAFEE is a federal and state funded grant subject to yearly availability of funds. To qualify, you must:

1. be a current or former fosteryouth
2. have not reached your 22nd birthday as of July 1st of the award year

To apply you must submit the California CHAFEE Grant Application, Free Application for Federal Student Aid (FAFSA) or California Dream Act Application (CADA) and your school submits the CHAFEE Needs Analysis Report (NAR). After you apply the commission will review your FAFSA or CADA and CHAFEE Grant Application. The California Department of Social Services may verify your foster status. We will determine your financial aid eligibility. Once this is finished the commission will send you a letter if you are selected for an award. We will then verify payment eligibility and disburse the check to you. You must be enrolled in an eligible school, enrolled in at least half time, enroll in the program at least one academic year, attend class regularly and maintain your SAP (Satisfactory Academic Progress).

**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.

**California College Promise Grant** (formerly known as Board of Governor Enrollment Fee Waiver (BOGW) is awarded to students who need assistance paying enrollment fees. California residents may be eligible for a California College Promise Grant 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 their 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 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 is eligible as a dependent of a deceased law enforcement/fire suppression personnel killed in the line of duty.
- Student's family's income falls within certain income standards.

Students must maintain Satisfactory Academic Progress (SAP) in order to remain eligible for the California College Promise Grant. To remain eligible, a student must complete at least 50% or more of the units attempted and maintain a cumulative 2.0 GPA each semester. For more information, review the California College Promise Grant eligibility standards located at <https://icanaffordcollege.com/FAQ#california-college-promise-grant>

Once a student has qualified for the California College Promise Grant, 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. For more information see <http://www.siskiyous.edu/financialaid/workstudy.htm>

## Federal Direct Loan Programs

[www.siskiyous.edu/financialaid/studentloans.htm](http://www.siskiyous.edu/financialaid/studentloans.htm)

- Federal Direct subsidized and unsubsidized loans are available. The U.S. Department of Education is the lender. Students may apply for a loan after their Financial Aid file is complete and they are enrolled in six or more degree applicable units. Repayment begins six months after graduation, withdrawal, or if the student drops below six units.
- Federal 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.

## Assistance for Veterans

[www.siskiyous.edu/financialaid/veterans.htm](http://www.siskiyous.edu/financialaid/veterans.htm)

College of the Siskiyous 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 Veteran's Counselor before VA Certification can be completed. Call 530.938.5353 to make an appointment. All VA students must submit a written request to the Veteran's Counselor before certification can be completed for each semester.

**New Veteran Students:** If you plan to use your GI Bill for educational benefits for the first time, apply to the VA website, [www.gibill.va.gov](http://www.gibill.va.gov). You will need to submit a copy of your DD214, Certificate of Eligibility to the Veteran's Counselor. The Veteran's Counselor will create a comprehensive Educational Plan that will be sent to the Certifying Official, along with your DD214, Certificate of Eligibility and the VA Student Certifying Agreement form.

**Continuing Veteran Students:** Any returning Veteran student that would like to continue to use their VA education benefits must meet with the Veteran's Counselor and complete the Student Certifying Agreement Form before being certified.

**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 Veteran's Counselor in the Counseling Office to set up an appointment.

Students should contact the Certifying Official 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 Veteran's Counselor or Certifying Official for information on any of the above programs. For information and assistance from the Veterans Administration: [www.gibill.va.gov](http://www.gibill.va.gov) and toll free @ 888.442.4551, or contact the College of the Siskiyous Certifying Official @ 530.938.5209.

## Scholarships

[www.siskiyous.edu/financialaid/scholarships.htm](http://www.siskiyous.edu/financialaid/scholarships.htm) [www.siskiyous.edu/foundation/scholarships.htm](http://www.siskiyous.edu/foundation/scholarships.htm)

Scholarship applications are provided through the COS Foundation Office and online at the COS Foundation 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](http://www.finaid.org) and [www.fastweb.com](http://www.fastweb.com).

## Foster/Kinship Care

[www.siskiyous.edu/fkce](http://www.siskiyous.edu/fkce)

The Foster Care and Kinship 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 Parent relative caregivers, and a free Resource Library. Contact 530.841.5533.

## Health Services

[www.siskiyous.edu/health](http://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](http://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 Lodging. 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 Services Office for information.

## **Library**

[www.siskiyous.edu/library](http://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 24/7 from any location. The online collection includes article databases, ebooks, streaming videos, ESL and foreign language learning, and more. Using online materials from off campus is as simple as logging in with your mySiskiyous username and password. The physical collection in the Library 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.

Friendly staff is available to answer questions and help with research anytime the Library is open. In addition to our collections, the Library has a computer lab, a group study room with a computer and white board, as well as a color printer, photocopier, and scanner. The Library has many quiet places to study, from tables to study cubbies to a spacious reading loft with comfortable chairs and a view of Mt. Shasta. For more information, call the Library at 530.938.5531, email us at [library@siskiyous.edu](mailto:library@siskiyous.edu), or visit us online.

## **Student Activities**

[www.siskiyous.edu/organizations](http://www.siskiyous.edu/organizations)

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](http://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](http://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 free Student ID Card, available through the Associated Student Board (ASB) Office, students 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 ID 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.

# Administration



**MELISSA GREEN**  
**Vice-President,**  
**Student Services**  
 Bachelors of Technology in Business Technology, Northern Montana College; Masters of Education in Guidance and Counseling, Northern Montana College. COS 2015.



**DARLENE MELBY,**  
**Vice-President,**  
**Administrative Services**  
 Bachelor's in Business Administration, National University; Master of Business Administration in Management, Argosy University  
 COS 2017



**CHARLENE PERLAS,**  
**Ph.D.**  
**Vice President,**  
**Instruction**  
 Bachelor of Art in Psychology, CSU Fresno; Master of Science in Counseling, CSU Sacramento; Master of Public Administration, CSU East Bay; Doctor of Education, Capella University.  
 COS 2019



**THERESA RICHMOND,**  
**Associate Vice-**  
**President Human**  
**Resources**  
 Master's in Organizational Development, Sonoma State University; Bachelor's in Organizational Behavior, University of San Francisco  
 COS 2016



**MARK KLEVER**  
**Dean, Career &**  
**Technical Education**  
 Bachelor of Science in Agribusiness Management, Cal Poly; Masters of Science in Agriculture, Cal Poly San Luis Obispo.  
 COS 2017



**BURTON PERETTI, Ph.D.**  
**Dean of Instruction**  
 Bachelor of Arts in American Studies, Pomona College; Master of Arts in History, University of California, Berkeley; Ph. D. in History, University of California, Berkeley  
 COS 2019



**DENNIS ROBERTS**  
**Assistant Dean of**  
**Instruction/**  
**Director 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**  
**Associate Dean Student**  
**Success Programs**  
 Bachelor of Arts in Psychology, California State University, Chico, CA; Master of Science in Educational (School) Counseling, University of La Verne, CA.  
 COS 1991.



# DIRECTORS



**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.

## Vacancy

**Director, Non-Credit,  
Community &  
Contract Education**



**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.



**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.



**NATHAN REXFORD,**  
**Ph.D.**  
**Director of Research  
and Evaluation**  
Bachelor of Arts, Political  
Science, University of  
California, San Diego;  
Master of Arts, Political  
Science, University of  
California, Davis; Ph.D.  
Political Science, University  
of California, Davis.  
COS 2017



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



**MEGHAN WITHERELL**  
**Director –  
Admissions &  
Records**  
Associate of Arts in  
Theatre Arts, College of  
the Siskiyous; Bachelor of  
Arts in English, Sonoma  
State University; Master  
of Science in Educational  
Counseling, University of  
LaVerne.  
COS 1995.

# 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.



**MARK BEAULIEU**  
**Welding**  
 Associate of Arts in Welding Technology, New Hampshire Vocational-Technical College of Manchester. COS 2016.



**DAVID BLINK**  
**Music**  
 Bachelor's of Music, University of Nevada, Las Vegas; Master's of Music in Composition, Central Washington University. COS 2017.



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



**RHONDA BROWN**  
**Nursing**  
 Bachelor of Science in Nursing, Western Governors University; Master of Science in Nursing, Western Governors University COS 2016.



**ELIZABETH CARLYLE**  
**English**  
 Bachelor of Arts in Russian, University of Nottingham; Master's of Arts in English, Humboldt State University. COS 2018.



**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.



**WENLI CHANG**  
**Mathematics**  
 Bachelor of Mechanical Engineering, YanShan University, China Master of Mathematics, Cal State University, San Bernardino COS 2015.



**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; Master of Science in Nursing Leadership and Management, Walden University. COS 2013.



**ANDREA CRADDOCK, Ph.D.**  
**Psychology**

Bachelor of Arts in Psychology, California State University, Fresno; Masters of Science and Doctor of Philosophy in Biological Psychology, University of Oklahoma Health Sciences Center; Respecialization in Clinical Psychology, Oklahoma State University. COS 2016.



**MARCY DEMETRO,**  
**Counseling**

Bachelor of Arts in Psychology, San Francisco State University; Master of Arts, Guidance and Counseling, Loyola Marymount University. COS 2019



**KATHERINE GALE**  
**Political Science**

Bachelor of Arts Political Science, Fresno Pacific University; Master of Arts, Political Science, San Francisco State University. COS 2017.



**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.



**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,**  
**Ph.D.**

**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; Ph.D in Education, Community College Leadership, Walden University. COS 2000.



**KAREN HARPER**  
**Nursing**

Bachelor of Science, Nursing, Western Governors University. COS 2018



**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.



**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.



**EDWARD KEPHART**  
**Physical Education, Coach**  
 Associate of Arts, Long Beach City College; Bachelor of Science, Health Education, California State University, Long Beach; Master of Science, Exercise Science, Performance Enhancement and Injury Prevention, California University of Pennsylvania.  
 COS 2015.



**ANN KLEIN, Ph.D.**  
**Biology**  
 Bachelor of Science in Microbiology, Southern Illinois University, Carbondale; Ph.D. in Biology, University of Oregon.  
 COS 2019



**MICHELLE KNUDSEN**  
**Counselor**  
 Associate of Arts, Reedley College; Bachelor of Arts in Psychology, California State University, Fresno; Master of Science in Counseling and Student Services, and Pupil Personnel Services Credential, California State University, Fresno. COS 2015.



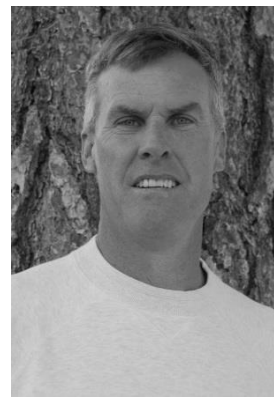
**MICHELE KORKOWSKI**  
**Administration of Justice**  
 Associate of Science, Engineering, Sacramento City College; Bachelor of Science, Zoology, UC Davis; Master of Science, Criminal Justice, University of Cincinnati.  
 COS 2016.



**SHIRLEY LOUIE**  
**Mathematics**  
 Bachelor of Science (Math Education) and Bachelor of Arts (French), Western Oregon University; Master in Math Education, University of Phoenix.  
 COS 2015.



**KIMBERLY PARHAM**  
**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; Master of Science in Nursing, Western Governors University.  
 COS 2008.



**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.



**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.



**RONALD SLABBINCK,  
Ed. D.**

**Music**  
Bachelor of Arts  
Music Education, Western  
Michigan University;  
Master of Arts in Music with an  
emphasis in Conducting,  
California State University,  
Sacramento; Ed.D in Educational  
Leadership, 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**  
**Communication  
Studies**

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 2009



**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.



**ABNER WEED**  
**ADJ - Police Academy**

Associate of Science in  
Marine Technology, Santa  
Barbara City College; Police  
Academy Basic Training,  
Northern Marianas  
College; Basic Law  
Enforcement Academy,  
Butte Community College.  
COS 2019.



**MIKE WILSON**  
**Fire**

Associate of Applied  
Science in Fire Science  
Columbia Southern  
University.  
COS 2015.



**CARLY ZELLER**  
**English/Academic  
Success Center**

Bachelor of Science  
in English, California  
State University,  
Long Beach; Master  
of Fine Arts in  
Writing, Pacific  
University.  
COS 2019.

## Associate Degree Requirements

An Associate in Arts (AA) Degree or an Associate in Science (AS) Degree is awarded to students who complete the requirements listed below. Students must complete the Graduation Petition to Graduate 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:** Complete 12 units at College of the Siskiyous (COS).

**General Education:** Complete the COS Associate Degree General Education (COSGE) pattern.

**Major:** Complete an area of study (major) with a minimum grade of C in each course.

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

A student may request permission to modify (waive or substitute) a course for one that is required to complete degree or certificate requirements. Petitions to modify requirements must be approved by a full-time faculty member in the discipline and the faculty member's Dean. Petitions are available online and in the Counseling and Student Support Programs Office.

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

### 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). Students are given guaranteed admission into the California State University (CSU) system, and further are given priority consideration when applying to a particular program that is similar to the student's community college major. To be eligible, students must complete the following requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the CSU, 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) Earn 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 their transfer goal.

### Second Associate Degree

A second associate degree may be awarded to students who complete the following requirements:

**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.

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

**Residence:** Complete 12 units of area of study (major) of the second degree from COS.

**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 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 degrees or double majors, 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. They will need to think critically, to communicate effectively, and to maintain their 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 1: Natural Science

Within the framework of the discipline's major principles and methods of inquiry, determine whether an observation or experimental result is consistent with a scientific explanation for a natural phenomenon and effectively articulate that analysis.

### Area 2: Social and Behavioral Sciences

Demonstrate the ability to apply and critically assess, social science research, perspectives, principles and methods in understanding social processes.

### Area 3: Humanities

Analyze and appreciate works of philosophical, historical, literary, aesthetic, and cultural importance through the ages and in different cultures **OR** demonstrate an understanding of at least one principal form of artistic expression and the creative process inherent therein.

### Area 4: Language and Rationality

#### Area 4A: English Composition/Information Competency

Demonstrate effective reading and writing skills in collecting, evaluating, organizing, and presenting information and ideas.

#### Area 4B: Communication and Analytical Thinking

Apply knowledge of communication theory, practices, and media to communication events **OR** develop clear and precise expressions of ideas to analyze common logical errors while using language and logic through inductive and deductive processes

#### Area 4C: Math Competency

Demonstrate ability to setup, manipulate, graph, solve, or apply standard algebraic expressions and equations **OR** meet competency requirements at a level equivalent to Intermediate Algebra or higher.

### Area 5: Multicultural/Living Skills

Demonstrate knowledge of healthy life choices and the potential risks and benefits of physical activity **OR** Demonstrate how knowledge of finances and technology impact decisions made in daily life **OR** Compare and contrast the experience of a historically under-represented group with that of the dominate culture and demonstrate an understanding of personal, social, or historical biases and prejudices.

# College of the Siskiyous

## COSGE - Associate Degree General Education Requirements 2019-2020

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General Education (GE) Philosophy: As citizens of the world, our students will be confronting complex personal, social, cultural, and political issues. They will need to think critically, to communicate effectively, and to maintain their 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.

*Any course used to complete areas 1-5 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 general education requirement. Courses on this list may also count towards their specific major. In addition to these general education requirements, students need to complete their major requirements and electives to reach the minimum of 60 associate degree-applicable units for a COS Associate Degree. **Students who wish to transfer should consult an advisor or counselor to plan the courses necessary to achieve their transfer goals.** Updates to COSGE are available on our website: <http://www.siskiyous.edu/counseling/advisingresources.htm>*

**Area 1 - Natural Science** Complete one course with a grade of C or better ----- 3-5 Units  
*GE Learning Outcomes: Within the framework of the discipline's major principles and methods of inquiry, students must determine whether an observation or experimental result is consistent with a scientific explanation for a natural phenomenon and effectively articulate that analysis.*

- |  |  |   |
|--|--|---|
| <b>ASTR</b> 1110 Astronomy<br><b>BIO</b> 1000 Intro to Life Science<br><b>BIO</b> 1400 Environmental Principles<br><b>BIO</b> 1500 Human Biology<br><b>BIO</b> 1700 Field Botany<br><b>BIO</b> 2100 General Biology I<br><b>BIO</b> 2600 Microbiology<br><b>BIO</b> 2700 Human Anatomy | <b>BIO</b> 2800 Human Physiology<br><b>CHEM</b> 1000 Introduction to Chemistry<br><b>CHEM</b> 1100 Intro to Organic & Biochemistry<br><b>CHEM</b> 2000 General Chemistry<br><b>ENVS</b> 1002 Environmental Science<br><b>GEOG</b> 1110 Physical Geography<br><b>GEOL</b> 1110 Environmental Geology<br><b>GEOL</b> 1120 Geology of Nat'l Parks | <b>GEOL</b> 1130 Geology of California<br><b>GEOL</b> 1140 Oceanography<br><b>GEOL</b> 1210 Physical Geology Lab<br><b>GEOL</b> 1220 Historical Geology Lab<br><b>PHYS</b> 1001 Physics by Exploration<br><b>PHYS</b> 1010 Conceptual Physics<br><b>PHYS</b> 1105 General Physics I<br><b>PHYS</b> 2105 Mech Physics, Oscill, Waves |
|--|--|---|

**Area 2 - Social and Behavioral Sciences** Complete one course from the following ----- 3 Units  
*GE Learning Outcomes: Students must demonstrate the ability to apply and critically assess social science research, perspectives, principles and methods in understanding social processes.*

- |  |  |  |
|--|--|--|
| <b>ADJ</b> 1001 Intro Admin of Justice<br><b>ANTH</b> 1010 Intro Cultural Anthropology<br><b>ECE</b> 1002 Child Development<br><b>ECE</b> 1003 Child, Family and Community<br><b>ECE</b> 1999 Human Development<br><b>ECE</b> 2500 Supporting Family Relationships<br><b>ECON</b> 1010 Macroeconomics<br><b>ECON</b> 1020 Microeconomics | <b>HIST</b> 1004 Western Civ to 1600<br><b>HIST</b> 1005 Western Civ since 1600<br><b>HIST</b> 1008 History of Women in US<br><b>HIST</b> 1009 World Civ to 1450<br><b>HIST</b> 1010 World Civ Since 1450<br><b>HIST</b> 1017 US History to 1877<br><b>HIST</b> 1018 US History Since 1877<br><b>HIST</b> 1047 Eastern Civ to 1450 | <b>POLS</b> 1001 American Government<br><b>POLS</b> 1007 World Politics<br><b>POLS</b> 1012 Introduction to Political Theory<br><b>POLS</b> 1015 Introduction to Political Science<br><b>PSY</b> 1001 General Psychology<br><b>PSY</b> 1003 Social Psychology<br><b>SOC</b> 1001 Intro to Sociology<br><b>SOC</b> 1002 Social Problems |
|--|--|--|

**Area 3 - Humanities** Complete one course from the following ----- 3 Units  
*GE Learning Outcomes: Students must analyze and appreciate works of philosophical, historical, literary, aesthetic, and cultural importance through the ages and in different cultures **OR** demonstrate an understanding of at least one principal form of artistic expression and the creative process inherent therein.*

- |  |  |  |
|--|--|--|
| <b>ART</b> 1000 Art History I<br><b>ART</b> 1001 Art History II<br><b>ART</b> 1002 Design I<br><b>ART</b> 1003 Design II<br><b>ART</b> 1004 Painting<br><b>ART</b> 1010 Sculpture<br><b>ASL</b> 1020 Beginning ASL<br><b>COMS</b> 1500 Oral Interpretation | <b>ENGL</b> 1501 Literature<br><b>ENGL</b> 2043 World Literature I<br><b>ENGL</b> 2543 World Literature II<br><b>HUM</b> 1001 Intro to Humanities<br><b>HUM</b> 1005 Humanities & Film<br><b>MUS</b> 1131 Music Appreciation<br><b>MUS</b> 1633 Survey of Jazz/Pop | <b>PHIL</b> 1001 Intro to Philosophy<br><b>PHIL</b> 1003 Ethics<br><b>THEA</b> 2000 Intro to Theatre<br><b>THEA</b> 2400 Script Analysis |
|--|--|--|



**Area 4A: Written Language** Must be completed with a "C" grade or better (3-4 Units)

GE Learning Outcomes: Students must demonstrate effective reading and writing skills in collecting, evaluating, organizing, and presenting information and ideas.

ENGL 1001 College Composition

ENGL 1004 Technical Writing

**Area 4B: Communication and Analytical Thinking** (3 Units)

GE Learning Outcomes: Students must apply knowledge of communication theory, practices, and media to communication events OR develop clear and precise expressions of ideas to analyze common logical errors while using language and logic through inductive and deductive processes.

COMS 1100 Public Speaking

ENGL 1502 Advanced Comp-Critical Thinking

COMS 1200 Small Group Communication

PHIL 1004 Critical Reasoning

COMS 1300 Interpersonal Communication

PHYS 1020 Weird Science

COMS 1700 Introduction to Mass Media

**Area 4C: Math Competency** If taking a course listed below for college credit, must be completed with a "C" grade or better (0-4 Units)

GE Learning Outcomes: Students must demonstrate ability to setup, manipulate, graph, solve, or apply standard algebraic expressions and equations OR meet competency requirements at a level equivalent to Intermediate Algebra or higher.

MATH 0980 Intermediate Algebra

MATH 2600 Introduction to Linear Algebra

MATH 1050 Elementary Statistics

OR

MATH 1100 College Algebra

Completion of one year (or block schedule equivalent) of Algebra II or Integrated Mathematics III or higher level mathematics in high school with grades of "C" or better (no college units granted)

MATH 1200 Pre-Calculus

OR

MATH 1400 Calculus & Analytic Geometry I

Minimum score on ACT of 25 or SAT of 570 (no college units granted)

MATH 1500 Calculus & Analytic Geometry II

MATH 2400 Calculus & Analytic Geometry III

MATH 2500 Ordinary Differential Equations

**Area 5 - Multicultural/Living Skills** Complete one course from the following 3- 4 Units

GE Learning Outcomes: Students must demonstrate knowledge of healthy life choices and the potential risks and benefits of physical activity OR demonstrate how knowledge of finances and technology impact decisions made in daily life OR compare and contrast the experience of a historically under-represented group with that of the dominant culture and demonstrate an understanding of personal, social, or historical biases and prejudices.

ADHS 2526 Understanding Disability

KINE 1030 Principles of Physical Fitness & Wellness

ADJ 1517 Community & the Justice System

HEA 1010 Health in Action

BA 1001 Financial Accounting

MUS 1234 Diversity in American Music

BA 1006 Intro to Business

MUS 1633 Survey of Jazz/Pop

CSCI 1001 Intro Comp Science

PHIL 1020 World Religions: Western

CSCI 1004 Visual Basic Programming

PHIL 1021 World Religions: Eastern

CSCI 1007 Programming I

PEMA 1039 Certified Personal Trainer

ECE 1502 Serving Children/Family

PSY 1004 Psychology of Prejudice

ECE 2500 Supporting Family Relationships

SOC 1002 Social Problems

ENGL 1038 Multicultural Communication

OR

ENGL 2544 American Lit II

COS LVN-RN Step-Up Program Completion

FCS/KINE 1011 Nutrition

GUID 1006 Learning Strategies

Graduation Requirements:        General Education (18-26 units)        Major        60 degree applicable units        2.0 GPA        Residency

**College of the Siskiyous**  
**CSUGE — California State University**  
**Lower Division General Education Requirements 2019-2020**  
Southern Oregon University and other universities also accept completed CSUGE

Completion of 60 CSU transferable units, including CSUGE General Education, is required for admission to all California State Universities. You must complete Areas A1, A2, A3 and B4 in addition to 30 units from the courses listed below 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 category. Minimum total 9 semester or 12 quarter units.*

**A1. Oral Communication:** **COMS 1100**- Public Speaking, **COMS 1200**-Small Group Communication, **COMS 1300**- Interpersonal Communication.

**A2. Written Communication:** **ENGL 1001**- College Composition.

**A3. Critical Thinking:** **ENGL 1502**- Advanced Composition; **PHIL 1004**- Critical Reasoning; **PHYS 1020**- Weird Science: Science, Skepticism, and Critical Thinking.

**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**- Astronomy; **CHEM 1000**- Introduction to Chemistry, **CHEM 1050**- Chemistry in Society,

**CHEM 1100**- Introduction to Organic and Biochemistry, **CHEM 2000**- General Chemistry, **CHEM 2100**- General Chemistry II;

**GEOG 1110**- Physical Geography; **GEOL 1110**- Environmental Geology, **GEOL 1120**- Geology of the National Parks, **GEOL 1130**- Geology of California, **GEOL 1140**- Oceanography, **GEOL 1210**- Physical Geology/Lab, **GEOL 1220**- Historical Geology/Lab; **PHYS 1001**- Physics by Exploration, **PHYS 1010**- Conceptual Physics, **PHYS 1105**- General Physics I, **PHYS 1110**- General Physics II, **PHYS 2105**- Mechanical Physics, Oscillations, and Waves, **PHYS 2110**- Electrical Physics, Light, **PHYS 2115**- Heat, Modern, and Quantum Physics.

**B2. Life Science:** **AG 1018**- Principles of Animal Science; **BIOL 1000**- Introduction to Life Sciences, **BIOL 1400**- Environmental Principles, **BIOL 1500**- Human Biology, **BIOL 1600**- Field Natural History, **BIOL 1700**- Field Botany, **BIOL 2100**- General Biology I, **BIOL 2200**- General Biology II, **BIOL 2600**-Microbiology, **BIOL 2700**- Human Anatomy, **BIOL 2800**- Human Physiology; **ENVS 1002**- Environmental Science.

**B3. Laboratory Activity:** Any underlined course from category **B1** or **B2**.

**B4. Mathematics:** **MATH 1050**- Elementary Statistics, **MATH 1100**- College Algebra, **MATH 1200**- Pre-Calculus, **MATH 1400**-Calculus and Analytic Geometry I, **MATH 1500**- Calculus and Analytic Geometry II, **MATH 2400**- Calculus and Analytic Geometry III, **MATH 2500**- Ordinary Differential Equations, **MATH 2600**- Introduction in Linear Algebra.

**AREA C: ARTS AND HUMANITIES:**

*Complete three courses, with at least three units from C1 and C2. Minimum 9 semester or 12 quarter units.*

**C1. Arts:** **ART 1000**- Art History I, **ART 1001**- Art History II, **ART 1002**- Design I, **ART 1003**- Design II, **ART 1004**- Painting, **ART 1006**- Beginning Ceramics, **ART 1009**-Drawing, **ART 1010**- Sculpture, **ART 1011**- Photography, **ART 1013**- Printmaking; **COMS 1500**- Oral Interpretation; **MUS 1004**-Fundamentals of Music, **MUS 1131**- Music Appreciation, **MUS 1234**- Diversity in American Music, **MUS 1633**- Survey of Jazz and Popular Music; **THEA 1100**- Principles of Acting, **THEA 1600**- Stagecraft, **THEA 2000**- Introduction to Theatre, **THEA 2400**-ScriptAnalysis, **THEA 2600**- Stage Lighting.

**C2. Humanities:** **ASL 1020**- Beginning American Sign Language, **ASL 1521**- Intermediate American Sign Language; **ENGL 1019**- Introduction to Creative Writing, **ENGL 1033**- Introduction to Shakespeare, **ENGL 1501**- Advanced Composition-Literature, **ENGL 2036**-Children's Literature, **ENGL 2043**- World Literature I, **ENGL 2044**- American Literature I, **ENGL 2046**- British Literature I, **ENGL 2543**-World Literature II, **ENGL 2544**- American Literature II, **ENGL 2546**- British Literature II; **HIST 1009**- World Civilizations to 1500, **HIST 1010**- World Civilizations since 1500, **HIST 1047**- Eastern Civilizations since 1600; **HUM 1001**- Introduction to Humanities, **HUM 1005**-Humanities and Film; **PHIL 1001**- Introduction to Philosophy, **PHIL 1003**- Ethics, **PHIL 1009**- Philosophy of Religion, **PHIL 1010**- History of Ancient and Medieval Philosophy, **PHIL 1011**- Modern and Contemporary Philosophy, **PHIL 1012**- Philosophy of Science and Religion, **PHIL 1014**- Philosophy of Love, Sex, and Marriage, **PHIL 1015**- Philosophies of Non-Violence, **PHIL 1020**- World Religions: Western Cultures, **PHIL 1021**- World Religions: Eastern Cultures; **THEA 2400**- Script Analysis.

**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.*

**D1. US-1. U.S. History:** **HIST 1017**- United States History to 1877, **HIST 1018**- United States History since 1877.

**D2. US-2 & US-3. U.S. Constitution and California State & Local Government:** **POLS 1001**- American Government: National, State, and Local.

**D3. Social, Political, Economic Institutions and Behavior:** **ADJ 1001**- Introduction to Administration of Justice; **ADHS 2526**-Understanding Disability; **ANTH 1010**-Introduction to Cultural Anthropology; **ECE 1002**-Child Development, **ECE 1003**- Child, Family, and Community, **ECE 2500**- Supporting Family Relationships and Parenting; **ECON 1010**- Principles of Macroeconomics, **ECON 1020**- Principles Microeconomics; **ENGL 1038**- Multicultural Communication; **HIST 1004**- Western Civilizations to 1600, **HIST 1005**- Western Civilizations since 1600, **HIST 1007**- Native American History, **HIST 1008**- History of Women in the United States, **HIST 1009**- World Civilizations to 1500, **HIST 1010**- World Civilizations since 1500, **HIST 1022**- Environmental History of North America, **HIST 1023**- American Military History, **HIST 1044**- African-American History, **HIST 1047**- Eastern Civilizations since 1600, **HIST 1049**- History of the Middle East; **POLS 1007**- World Politics, **POLS 1012**- Introduction to Political Theory, **POLS 1015**- Introduction to Political Science; **PSY 1001**- General Psychology, **PSY 1003**- Social Psychology, **PSY 1004**- Psychology of Prejudice, **PSY 1502**- Abnormal Psychology; **SOC 1001**- Introduction to Sociology, **SOC 1002**- Social Problems.

#### **AREA E: LIFELONG LEARNING AND SELF DEVELOPMENT**

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

**BA 1034**- Personal Finance; **ECE 1002**- Child Development, **ECE 1999**- Human Development; **FCS/KINE 1011**- Nutrition; **HEA 1010**-Health in Action; **KINE 1030**- Principles of Physical Fitness and Wellness, **PEMA 2137**- Sports Nutrition; **PSY 1001**- General Psychology.

**College of the Siskiyous**  
**IGETC– University of California and California State University**  
**Intersegmental General Education Transfer Curriculum 2019-2020**

Southern Oregon University and many other universities accept completed IGETC

Completion of 60 UC transferable units, including completion of IGETC General Education with a grade of C or higher, is required for admission to all Universities of California. 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**- College Composition.  
\_\_\_\_\_1B. **Critical Thinking: ENGL 1502**- Advanced Composition-Critical Thinking.  
\_\_\_\_\_1C. **Oral Communication: (CSU requirement only.) COMS 1100**-Public Speaking, **COMS 1200**-Small Group Communication, **COMS 1300**-Interpersonal Communication.

**AREA 2. MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING**

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

- \_\_\_\_\_2. **Mathematics: MATH 1050**- Elementary Statistics, **MATH 1100**- College Algebra, **MATH 1200**- Pre-Calculus, **MATH 1400**- Calculus and Analytic Geometry I, **MATH 1500**- Calculus and Analytic Geometry II, **MATH 2400**- Calculus and Analytic Geometry III, **MATH 2500**- Ordinary Differential Equations, **MATH 2600**- Introduction to Linear Algebra.

**AREA 3. ARTS AND HUMANITIES**

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

- \_\_\_\_\_3A. **Arts: ART 1000**- Art History, **ART 1001**- Art History II; **MUS 1004**- Fundamentals of Music, **MUS 1131**- Music Appreciation, **MUS 1234**- Diversity in American Music, **MUS 1633**- Survey of Jazz and Popular Music; **THEA 2000**- Introduction to Theatre, **THEA 2400**- Script Analysis.
- \_\_\_\_\_3B. **Humanities: ENGL 1033**- Introduction to Shakespeare, **ENGL 1501**- Advanced Composition- Literature, **ENGL 2036**- Children's Literature, **ENGL 2043**- World Literature I, **ENGL 2044**- American Literature I, **ENGL 2046**- British Literature I, **ENGL 2543**- World Literature II, **ENGL 2544**- America Literature II, **ENGL 2546**- British Literature II; **HIST 1004**- Western Civilizations to 1600, **HIST 1005**- Western Civilizations since 1600, **HIST 1006**- California History and Politics, **HIST 1007**- Native American History, **HIST 1009**-World Civilization to 1450, **HIST 1010**- World Civilizations since 1450, **HIST 1017**- United States History to 1877, **HIST 1018**- United States History since 1877, **HIST 1047**- Eastern Civilizations since 1600; **HUM 1001**- Introduction to Humanities, **HUM 1005**- Humanities and Film; **PHIL 1001**- Introduction to Philosophy, **PHIL 1003**- Ethics, **PHIL 1009**- Philosophy of Religion, **PHIL 1010**- History of Ancient and Medieval Philosophy, **PHIL 1011**- Modern and Contemporary Philosophy, **PHIL 1012**- Philosophy of Science and Religion, **PHIL 1014**- Philosophy of Love, Sex, and Marriage, **PHIL 1015**- Philosophies of Non-Violence, **PHIL 1020**- World Religions: Western Cultures, **PHIL 1021**- World Religions: Eastern Cultures.
- \_\_\_\_\_3C. **Arts or Humanities: Complete an additional course from 3A or 3B.** \_\_\_\_\_

**AREA 4. SOCIAL AND BEHAVIORAL SCIENCES**

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

- ADJ 1517**- Community and the Justice System; **ANTH 1010**- Introduction to Cultural Anthropology, **ECE 1002**- Child Development, **ECE 1999**- Human Development, **ECE 2500**- Supporting Family Relationships and Parenting; **ECON 1010**- Principles of Macroeconomics, **ECON 1020**- Principles of Microeconomics; **ENGL 1038**- Multicultural Communication; **HIST 1004**- Western Civilizations to 1600, **HIST 1005**- Western Civilizations since 1600, **HIST 1006**- California History and Politics, **HIST 1007**- Native American History, **HIST 1008**- History of Women in the United States, **HIST 1009**- World Civilization to 1500, **HIST 1010**- World Civilizations since 1500, **HIST 1017**- United States History to 1877, **HIST 1018**- United States History since 1877, **HIST 1023**- American Military History, **HIST 1044**- African-American History, **HIST 1047**- Eastern Civilizations since 1600, **HIST 1049**- History of the Middle East; **POLS 1001**- American Government: National, State, and Local, **POLS 1007**- World Politics; **PSY 1001**- General Psychology, **PSY 1003**- Social Psychology, **PSY 1004**- Psychology of Prejudice, **PSY 1502**- Abnormal Psychology; **SOC 1001**- Introduction to Sociology, **SOC 1002**- Social Problems.

## 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- Astronomy; CHEM 1000- Introduction to Chemistry, CHEM 1050- Chemistry in Society; CHEM 1100- Introduction to Organic and Biochemistry, CHEM 2000- General Chemistry I, CHEM 2100- General Chemistry II; GEOG 1110- Physical Geography; GEOL 1110- Environmental Geology, GEOL 1120- Geology of the National Parks, GEOL 1130- Geology of California, GEOL 1140- Oceanography, GEOL 1210- Physical Geology/Lab, GEOL 1220- Historical Geology/Lab; PHYS 1001- Physics by Exploration, PHYS 1010- Conceptual Physics, PHYS 1105- General Physics I, PHYS 1110- General Physics II, PHYS 2105- Mechanical Physics, Oscillations, and Waves, PHYS 2110- Electrical Physics, Light, PHYS 2115- Heat, Modern, and Quantum Physics.

5B. **Biological Science:** BIO 1000- Introduction to Life Sciences, BIO 1400- Environmental Principles, BIO 1500- Human Biology, BIO 2100- General Biology I, BIO 2200- General Biology II, BIO 2600- Microbiology, BIO 2700- Human Anatomy, BIO 2800- Human Physiology; ENVS 1002- Environmental Science.

5C. **Laboratory Activity:** Complete any underlined course from category 5A or 5B.

## AREA 6. LANGUAGE OTHER THAN ENGLISH (UC requirement only)

6A. One Level 2 or higher college course: ASL 1521- Intermediate American Sign Language.

6B. Two years of the same language in high school. (*High school transcript 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 2 courses, one each from A and B. 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- United States History to 1877, HIST 1018- United States History since 1877.
- B. **Constitution and American Ideals:** POLS 1001- American Government: National, State, and Local.

**SOUGE – Southern Oregon University**  
**2019-20 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 or 120 transferable semester units, 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 toll-free 1-855-470-3377.

**Lower Division Major Requirements:** This SOU website has the lower division requirements for your major at SOU to complete at COS: <https://sou.edu/admissions/apply/transfer/#other-articulation-agreements>

**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: 1-855-470-3377.

**To obtain a 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.

**To obtain a 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 the SOU catalog for qualifying courses.

**SOU Transfer Requirements to be Completed at College of the Siskiyous (SOU also accepts the CSUGE & IGETC)**

- WRITING & ORAL COMMUNICATION** (Complete all three requirements with a grade of C or better.)
- ENGL 1001** English Composition
- ENGL 1502** Advanced Composition
- COMS 1100** Public Speaking or **COMS 1200** Small Group Communication or **COMS 1300** Interpersonal Communication
  
- QUANTITATIVE REASONING** (Complete one course with a grade of C or better.)

**MATH 1050** Elementary Statistics, **MATH 1100** College Algebra, **MATH 1200** Pre-Calculus, **MATH 1400** Calculus I, **MATH 1500** Calculus II, **MATH 2400** Calculus III, **MATH 2500** Ordinary Differential Equations, **MATH 2600** Intro to Linear Algebra.

- HUMANITIES EXPLORATION** \_\_\_\_\_

(Complete two courses from the following; minimum 6 semester units.)

**ART 1000** Art History I, **ART 1001** Art History II, **COMS 1500** Oral Interpretation, **COMS 1700** Intro to Mass Media, **ENGL 1019** Intro to Creative Writing, **ENGL 1020** Advanced Creative Writing-Fiction, **ENGL 1021** Advanced Creative Writing- Poetry, **ENGL 1022** Advanced Creative Writing- Creative Non-Fiction, **ENGL 1033** Intro to Shakespeare, **ENGL 1038** Multicultural Communication, **ENGL 1501** Advanced Comp-Literature, **ENGL 2036** Children’s Literature, **ENGL 2043** World Lit I, **ENGL 2044** American Lit I, **ENGL 2046** British Lit I, **ENGL 2543** World Lit II, **ENGL 2544** American Lit II, **ENGL 2546** British Lit I, **ETHN 1001** Ethnic Studies, **HUM 1001** Intro to Humanities, **HUM 1005** Humanities and Film, **MUS 1131** Music Appreciation, **MUS 1234** Diversity in American Music, **MUS 1633** Survey of Jazz and Popular Music, **PHIL 1001** Introduction to Philosophy , **PHIL 1003** Ethics, **PHIL 1004** Critical Reasoning, **PHIL 1009** Philosophy of Religion, **PHIL 1010** History of Ancient and Medieval Philosophy, **PHIL 1011** Modern and Contemporary Philosophy, **PHIL 1012** Philosophy of Science and Religion, **PHIL 1014** Philosophy of Love, Sex, and Marriage, **PHIL 1015** Philosophy of Non-Violence, **PHIL 1020** World Religions-Western Cultures, **PHIL 1021** World Religions-Eastern Cultures, **THEA 2000** Introduction to Theater, **THEA 2400** Script Analysis.

**SOCIAL SCIENCE EXPLORATION** \_\_\_\_\_

*(Complete two courses from the following; minimum 6 semester units.)*

**ADJ 1001** Introduction to Administration of Justice, **ANTH 1010** Introduction to Cultural Anthropology, **BA 1006** Introduction to Business, **ECE 1999** Human Development, **ECE 1002** Child Development, **ECE 2500** Supporting Family Relationships and Parenting, **ECON 1010** Principles of Macroeconomics; **ECON 1020** Principles of Microeconomics, **HEA 1010** Health in Action, **HIST 1004** Western Civilization to 1600, **HIST 1005** Western Civilization Since 1600, **HIST 1006** California History and Politics, **HIST 1007** Native American History, **HIST 1008** History of Women in the United States, **HIST 1009** World Civilization to 1500, **HIST 1010** World Civilization Since 1500, **HIST 1017** United States History to 1877, **HIST 1018** United States History Since 1877, **HIST 1022** Environmental History of North America, **HIST 1044** African-American History, **HIST 1047** Eastern Civilization Since 1600, **HIST 1049** History of the Middle East; **POLS 1001** American Government, **POLS 1007** World History, **POLS 1012** Introduction to Political Theory, **POLS 1015** Introduction to Political Science, **PSY 1001** General Psychology, **PSY 1003** Social Psychology, **PSY 1004** Psychology of Prejudice, **PSY 1502** Abnormal Psychology, **SOC 1001** Introduction to Sociology, **SOC 1002** Social Problems, **SOC 1035** Introduction to Women's Studies.

**NATURAL SCIENCE EXPLORATION** \_\_\_\_\_

*(Complete two lab science courses from the following; minimum total 8 semester units.)*

**BIO 1000** Introduction to Biological Science, **BIO 1600** Field Natural History, **BIO 1700** Field Botany, **BIO 2100** General Biology I, **BIO 2200** General Biology II, **BIO 2600** Microbiology, **BIO 2700** Human Anatomy, **BIO 2800** Human Physiology; **CHEM 1000** Introduction to Chemistry, **CHEM 1100** Introduction to Organic and Biochemistry, **CHEM 2000** General Chemistry I, **CHEM 2100** General Chemistry II; **ENVS 1002** Environmental Science; **GEOL 1210** Physical Geology, **GEOL 1220** Historical Geology; **PHYS 1001** Physics by Exploration, **PHYS 1105** General Physics I, **PHYS 1110** General Physics II, **PHYS 2105** Mechanical Physics, Oscillations, and Waves, **PHYS 2110** Electrical Physics, Light, **PHYS 2115** Heat, Modern, and Quantum Physics.

# Associate Degree and Certificate Programs

**AA** = Associate in Arts Degree

**AS** = Associate in Science Degree

**AA-T** = Associate in Arts Degree for Transfer\*

**AS-T** = Associate in Science Degree for Transfer\*

**COA** = Certificate of Achievement (California State approved)

**C** = Certificate (College of the Siskiyous approved)

**PC** = POST Certificate

Administration of Justice  
 Administration of Justice (AA, AS-T)  
 Level I Reserve Officer (C)  
 Level II Reserve Officer (C)  
 Level III Reserve Officer (C)  
 PC 832 Officer Training (PC)  
 Alcohol and Drug /Human Services (AS, COA)  
 Art  
 Art (AA)  
 Business  
 Accounting (AA, COA)  
 Administrative Assistant (AA, COA)  
 Business Administration (AA, AS-T)  
 E-Business (C)  
 Communication Studies (AA, AA-T)  
 Computer Science  
 Computer Science (AS)  
 Game Design (C)  
 PC Network/Hardware/Software (C)  
 Programming (C)  
 Web Design (C)  
 Early Childhood Education (AA, AS-T)  
 Emergency Medical Technology- Paramedic(AS, COA)  
 Engineering (AS)

English  
 English (AA, AA-T)  
 Creative Writing (COA)  
 English as a Second Language (C)  
 Environmental Science (AS)  
 Fire/Emergency Response Technology  
 Fire/Emergency Response Technology (AS)  
 Firefighter I (COA)  
 Firefighter II (C)  
 Company Officer (C)  
 Volunteer Firefighter (C)  
 Wildland Fire Fighter Basic Training (C)  
 Geology (AS-T)  
 History (AA, AA-T)  
 Humanities (AA)  
 Liberal Arts and Sciences with Areas of Emphasis  
 Humanities (AA)  
 Multicultural Studies (AA)  
 Natural Science (AA)  
 Social Science (AA)  
 Mathematics (AS, AS-T)  
 Music  
 Music (AA-T)  
 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, AA-T)  
 Social Science (AA)  
 Sociology (AA-T)  
 Theatre Arts  
 Musical Theatre (AA)  
 Theatre Arts (AA, AA-T)  
 Theatre Performance (AA)  
 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 the Counseling and Student Support Programs Office at 503.938.5353 if you have any questions about the program offerings at College of the Siskiyous.

## General Course Information

### Schedule of Classes

The schedule of classes for the current semester can be accessed online at: [www.siskiyous.edu/schedules](http://www.siskiyous.edu/schedules) The online schedule is searchable by: location, course number, instructor name, start date, start hour, and course title. The online schedule is updated daily. Check with Counseling and Student Support Programs if you have questions about the class schedule. Not all courses listed in the COS Catalog are offered every semester.

### Course Numbering System

**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, 6units.
- 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](http://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. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to [www.assist.org](http://www.assist.org) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. 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.

## 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.

## Repeatable 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  
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

EMS – Emergency Medical Services-Paramedic  
ENGL – English  
ENGR – Engineering  
ENVS – Environmental Science  
ETHN – Ethnic Studies  
FCS – Family and Consumer Science  
FIRE – Fire/Emergency Response Technology  
GEOG – Geography  
GEOL – Geology GUID – Guidance  
HEA – Health  
HIST – History  
HUM – Humanities  
KINE - Kinesiology  
MATH – Mathematics  
MFG - Manufacturing  
MUS – Music  
MUSI – Music Industry

NR - Natural Resources  
NURS – Nursing  
OLAD – Older Adults  
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  
WEE – Work Experience Education  
WELD – Welding

# PROGRAMS AND COURSES

## ADMINISTRATION OF JUSTICE

### Faculty

Michele Korkowski

Abner Weed

### Law Enforcement Academy

#### Director

Lieutenant Jeremiah LaRue

#### Coordinator

Abner Weed

#### General Description

Administration of Justice is the study of the principles of the federal, state, and local justice systems and subsystems. The curriculum prepares students for careers in a variety of criminal justice fields at the local, state, and federal levels. The two year program at College of the Siskiyous allows students to complete an Associate of Science 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 Law Enforcement Academy and State-mandated training courses for the Law Enforcement Community. Students who wish to transfer may want to consult their counselor to help them determine the best course of action for their goals. **Important:** 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:

- The Administration of Justice major requirements below.
- The College of the Siskiyous General Education pattern (COSGE) requirements.
- Any needed electives to reach a total of 60 COS degree applicable units.
- All major courses and any courses noted on the COS check sheet must be completed with a C or better.

#### 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 Science 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 Science degree in Administration of Justice or Associate's Degree for Transfer. 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.

### **Requirements for the Major**

#### **Complete the following 18 units:**

ADJ 1001 – Introduction to Administration of Justice (3)  
ADJ 1503 – Legal Aspects of Evidence (3)  
ADJ 1505 – Criminal Investigation (3)  
ADJ 1517 – Community and the Justice System  
(3) ADJ 2002 – Concepts of Criminal Law (3)  
ADJ 2524 – Introduction to Corrections (3)

#### **Complete one of the following:**

ADJ 2512 – PC 832 Arrest and Firearms (3)  
ADJ 2522 – California Statutory Law (3)  
ADJ 2525 – Juvenile Procedures (3)  
ADJ 2526 – Principles of Criminal Defense  
(3)  
ADJ 2528 – Criminology (3)

**Total Major Units: 21**

### **Alternative major requirements (Option 1 or 2):**

Option 1: Successful completion of the following course will fulfill completion of the major:

- ADJ 2050 Basic Police Academy (34.5)

Option 2: Successful completion of the following sequence of courses will fulfill completion of the major (43 units):

- ADJ 2014 Level III Reserve Officer Training (9 units)
- ADJ 2516 Level II Reserve Officer Certification (12 units)
- ADJ 2517 Basic Police Academy Module I (22 units)

**In addition to the Administration of Justice Program offerings, the college also offers the following Peace Officer Standards and Training (POST) certified law enforcement training certificates:**

- ADJ 2014 Level III Reserve Officer Training (9 units)
- ADJ 2512 PC 832 Reserve Officer Training (3 units)
- ADJ 2516 Level II Reserve Officer Certification (12 units)
- ADJ 2517 Basic Police Academy Module I (22 units)

**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 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 or higher:

- Administration of Justice Major requirements below.
- California State University General Education (CSUGE) or Intersegmental 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 and the Justice System  
(3) ADJ 2524 – Introduction to Corrections (3)

**List B - Complete two of the following: (6-7 units)**

Any ADJ courses not used in List A

MATH 1050 – Elementary Statistics (4)

PSY 1001 – General Psychology (3)

SOC 1001 – Introduction to Sociology (3)

**Total Major Units 18-19**

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

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 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 1503

#### LEGAL ASPECTS OF EVIDENCE

3 units, 48-54 lecture hours

Graded

This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. (AA, CSU)

### ADJ 1505

#### CRIMINAL INVESTIGATION

3 units, 48-54 lecture hours

Graded

This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (AA,CSU)

### ADJ 1517

#### COMMUNITY AND THE JUSTICE SYSTEM

3 units, 48-54 lecture hours

Graded

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in Culture, Religion, and Law. (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, 150-171 lecture hours

Graded

**Prerequisite:** DOJ fingerprint clearance (Penal Code 13511.5)

**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****40 units, 375-422 lecture hours / 813-915 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

The Basic Police Academy is designed to prepare students to meet entry-level requirements for jobs in the law enforcement profession. The curriculum has sufficient breadth to allow students to pursue a career in a variety of agencies. This course offers comprehensive training in a variety of topics which meet the standards outlined by the California Commission on Peace Officer Standards and Training (POST). (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.

This 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**

**Advisory:** 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 20)

**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 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. This occupational work experience course earns 1.0 unit for each 60 hours unpaid, or 75 hours paid internship. Students can earn a maximum of 16 semester units, 1-8 units/semester. This course may be taken for credit until a maximum of 16 semester units. Fingerprint clearance is needed prior to the first lab class. (AA,CSU)

## **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 1011****INTRODUCTION TO AGRICULTURAL BUSINESS****3 units, 48-54 lecture hours****Graded**

Provides a basic understanding of the business and economics of the agricultural industry. This course will provide an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system. Management principles encountered in the day-to-day operation of an agricultural enterprise as they relate to the decision-making process will also be covered. (AA,CSU,UC)

**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 1013****AGRICULTURE ECONOMICS****3 units, 48-54 lecture hours****Graded**

An understanding of the place of agriculture and farming in the economic system. Basic economic concepts and problems of agriculture; pricing and marketing problems, factors of production, and state and federal farm programs affecting farmer's economic position will be covered. (AA,CSU,UC)

**AG 1014****AGRICULTURAL ACCOUNTING****3 units, 48-54 lecture hours****Graded**

The study of the principles of agricultural accounting systems and types of records, their use and how to compute and use measures of earnings and cost of production to improve agribusiness efficiency. Farm income tax, Social Security, and employee payroll records also included.

Application of these concepts and methods through hands-on projects developing computer-based solutions for agriculture business. (AA,CSU)

**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 1016****COMPUTERS IN AGRICULTURE****3 units, 32-36 lecture hours / 48-54 lab hours****Graded**

Computer use in the workplace with emphasis on agricultural and business applications. Computer applications including word-processing, spreadsheets, databases, and presentation manager will be covered. Also included will be assessing information using the internet and World Wide Web, telecommunications and introduction to webpage design and other software appropriate to agribusiness. (AA,CSU)

**AG 1017****INTRODUCTION TO AGRICULTURE EDUCATION AND CAREERS****1 unit, 16-18 lecture hours****Graded**

Introduction to educational and agricultural employment opportunities. Includes portfolio and educational plan development and curriculum requirements that pertain to educational goals as they relate to agriculture majors. Assists students in setting goals and developing skills necessary for life-long success in obtaining, maintaining, and advancing in agriculture careers. Current events that impact agriculture and society will be discussed.(AA,CSU)



**AG 1018****PRINCIPLES OF ANIMAL SCIENCE****4 units, 48-54 lecture hours / 48-54 lab hours****Graded**

An overview of the principles of animal science and the interrelationship of domestic animals and humankind. This course will investigate animal anatomy, physiology, reproduction, nutrition, health, products and by-products as well as behavior and genetics from a scientific prospective. Current topics on influence of humans on genetic potential and productivity will be addressed. Experimental design and reporting, animal dissections, basic animal handling, and husbandry practices, recognition of animal health, and use of biotechnology in animal science. (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 1020****AGRICULTURAL LEADERSHIP****1 unit, 16-18 lecture hours****Graded**

Covers parliamentary procedure, planning and implementation of organizations, problems and techniques of group dynamics, participation in community and competitive agricultural events. Recommended for agricultural club members and officers, open to all students interested in professional development. (AA,CSU)

**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.

**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

## Program Coordinator

Jennifer Reynolds  
530.938.5512

## 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 1515 – Physiology & Pharmacology (3)
- ADHS 1517 – Ethics for the Helping Professions(2)
- ADHS 1525 – Personal & Professional Growth(3)
- ADHS 1526 – Individual, Group & Family Counseling (3)
- ADHS 2018 – Assessment & Case Management (3)
- ADHS 2020 – Alcohol and Drug/Human Services Practicum(2.5-5)

### **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: 32-38**

**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. 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.

### **Certificate 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 of Achievement**

ADHS 1010 – Introduction to Chemical Dependency(3)

ADHS 1011 – Community Outreach & Referral (3)

ADHS 1013 – Relapse Prevention (1)

ADHS 1515 – Physiology & Pharmacology (3)

ADHS 1517 – Ethics for the Helping Professions (2)

ADHS 1525 – Personal & Professional Growth(3)

ADHS 1526 – Individual, Group & Family Counseling (3)

ADHS 2018 – Assessment & Case Management (2)

ADHS 2020 – Alcohol and Drug/Human Services Practicum (2.5-5)

**Total Certificate Units: 22.5-25**

#### **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 present a study of the human service delivery systems with regards to policy and procedure, cultural competency, the politics and economics of the system and evaluation of the legal and social issues. (AA, CSU)

##### **ADHS 1010**

##### **INTRODUCTION TO CHEMICAL DEPENDENCY**

**3 units, 48-54 lecture hours**

**Graded**

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, CSU)

Advisory: ENGL 1001

**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 1025**  
**CONFLICT MANAGEMENT AND NEGOTIATION**  
**3 units, 48-54 lecture hours**  
**Graded**

This course is designed to prepare students to manage effectively conflict both inside and outside the workplace. The course will focus on anger management, communication skills, consensus building, and negotiations within the Alcohol and Drug and Human Services field. (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 1515**  
**PHYSIOLOGICAL AND PHARMACOLOGICAL ASPECTS OF SUBSTANCE ABUSE**  
**3 units, 48-54 lecture hours**  
**Graded**

This course will survey the physiological and pharmacology aspects of psychoactive substance use and abuse. Major areas of inquiry include theories of alcohol and other drug addiction, the classification of psychoactive drugs and their effects within the human body; tolerance, cross tolerance, synergistic effects and withdrawal and will review physiological differences between males and females. (AA, CSU)

**ADHS 1517**  
**LAW AND ETHICS FOR HELPING PROFESSIONS**  
**3 units, 48-54 lecture hours**  
**Graded**

This course will survey current legal sanctions, specific issues regarding legal responsibilities, clients rights, and state and federal regulations for human service professionals. This course will overview codes of ethics for alcohol and drug and human services, including scope of practice, confidentiality, boundary issues, models of community and client prevention, education and advocacy. This course will overview client engagement: screening, intervention and referral. (AA, CSU)

**ADHS 1521**  
**IDENTITY/CULTURAL AWARENESS**  
**1 unit, 16-18 lecture hours**  
**Graded**

This course will explore cultural diversity issues within the addiction and Human Services field with regard to age, gender, sexual identity and ethnicity. (AA, CSU)

**ADHS 1525**  
**PERSONAL & PROFESSIONAL GROWTH**  
**3 units, 48-54 lecture hours**  
**Graded**

This course covers the personal and professional aspects in the field of alcohol, drug and human services. This course will address the signs and symptoms of counselor burnout, develop awareness of personal strengths and limitations, and increase skills for self-care. Students will explore ethical and professional standards, certification requirements, professional associations and application of the ethics code to professional behavior for alcohol and drug counselors, as well as human service workers. (AA,CSU)

**ADHS 1526**  
**ADHS INDIVIDUAL, GROUP & FAMILY COUNSELING**  
**3 units, 48-54 lecture hours**  
**Graded**

This course will examine counseling approaches, interviewing techniques, and purposes of counseling groups and individuals. Students will gain insight into theories of family interaction and roles of the chemically dependent family and techniques for motivating family involvement in the treatment process. (AA,CSU)

**ADHS 2018**  
**CASE MANAGEMENT**  
**3 units, 48-54 lecture hours**  
**Graded**

This course will engage the student in case management which will include: intake and the assessment process for differing populations; psychosocial histories, screening, treatment planning, mental health and co-occurring issues; factors related to cultural competence; advocacy and agency linkage/collaborations; confidentiality; client termination; and resource and referral services for clients, This course will discuss topics of suicide, child abuse, elder abuse, sexual abuse, and domestic violence and crisis interventions. (AA, CSU)

**ADHS 2020**  
**ALCOHOL AND DRUG/HUMAN SERVICES PRACTICUM**  
**2.5 units, 45- lecture hours / 255.06 other hours**  
**Graded**

This course provides students the opportunity to develop knowledge, understanding, and competency in the field of alcohol and drug counseling and human services. The classroom setting emphasizes the concepts gained through course prerequisites and supports the student working under supervised field experience in a community agency. Students must begin their practicum in an approved agency at the start of this practicum course. Students have one year from the end of this course to complete their practicum hours. All practicum hours must be signed off by the student's instructor and supervisor within this time frame. (AA, CSU)

Prerequisite: Must have completed at least 13 units of the certificate in ADHS program course work, including at least one course from each of the following

groupings:

Group 1 - ADHS 1013 or ADHS 2018 or ADHS 1011 - one course

Group 2 - ADHS 1010 or ADHS 1526 or ADHS 1515 - one course

Group 3 - ADHS 1525 or ADHS 1517 - one course

**ADHS 2519**  
**BASIC HELPING SKILLS**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**ADHS 2526**  
**UNDERSTANDING DISABILITY**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**ADHS 2540**  
**SOCIETY AND AGING**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**ADHS 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, 0.5-8units/semester. This course is a companion course to ADHS 2020. This course may be taken for credit a total of four times. (AA, CSU)

## **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**

**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)

## **ART**

**Faculty**  
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, telemedia, and interior design.

## Degree/Certificate

### Options Associate in Arts

#### Degree Art

### 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 associate degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

## 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 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, 32-36 lecture hours / 64-72 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, 48-108 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

### 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

### 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 knowledge 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)

## BIOLOGY

### Faculty

David Clarke

Dr. Anne Klein

Alison Varty

### General Description

Biology – as the ‘study of life’ – includes a large array of specialized areas, which collectively reflect the field’s many specialized areas. While the traditional biological fields include areas like cell biology, microbiology, medicine, botany, zoology, ecology and evolutionary biology, we have recently seen the development of additional, more specialized areas like systems biology, genomics, microbiome science 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.

### Career Options

There are many career paths open to you with a background in Biology including: Nursing and other allied health fields, 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 more.

Depending on your interest you might work to rehabilitate damaged ecosystems, explore for new species previously unknown to humans, 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 the hospital, academia, a private foundation, any level of government, a corporation, or start your own business.

At College of the Siskiyous, we have a wide variety of course offerings in Biology including courses that will:

- Prepare students for admission into allied health care programs,
- Prepare students to transfer into a Biology bachelor’s degree program, and
- Allow students to get to know the disciplines while completing science general education requirements.

### Degree/Certificate Options

The Associate in Liberal Arts and Sciences with Area of Emphasis in Natural Science requirements (see page 134) are flexible and can easily match the lower division preparation for a bachelor’s degree in Biology at most universities. While many of our courses may be used as electives upon transfer to your university, as a Biology major you will likely need to take upper division courses in those topics, so check with your counselor before registering. You should also work with your counselor to carefully plan your schedule for three additional reasons: not every one of these classes is offered each semester, you will need a relatively high level of math, and the requirements of each transfer institution differ.

## 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 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 1028**

#### **TREES AND SHRUBS OF NORTHERN CALIFORNIA**

**0.5 units, 7.1-8 lecture hours / 5.3-6 lab hours**

**Pass/No Pass**

This course explores anatomy, taxonomy, and ecology of common trees and shrubs of Northern California. It includes an all-day field trip in which key characteristics, identification, and ecological distribution will be emphasized. (AA, CSU)

### **BIO 1030**

#### **WILDFLOWER IDENTIFICATION**

**0.5 units, 6-6.8 lecture hours / 8-9 lab hours**

**Pass/No Pass**

This course explores the anatomy, taxonomy, classification, and identification of local flowering plants. It includes two evening sessions and an all-day field trip during which students will practice using a dichotomous key to identify wildflowers. (AA, CSU)

### **BIO 1400**

#### **ENVIRONMENTAL PRINCIPLES**

**3 units, 48-54 lecture hours**

**Graded**

**Advisory:** ENGL 0900

This course examines environmental issues from a scientific perspective. Topics include the structure and function of the biosphere, atmosphere, and lithosphere, nutrient cycling and energy flow through ecosystems, as well as human impacts on the atmosphere and aquatic terrestrial ecosystems, human use of natural resources, and sustainability. (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

An introduction to plant identification, morphology, and ecology with emphasis on local wildflowers, trees, and shrubs. Involves some all-day Saturday field trips. (AA,CSU,UC)

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

An overview of the science of biology with emphases 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, Natural Science, and Environmental Science 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****Graded****Prerequisite:** BIO 2100

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

This course is an introduction to the study of microorganisms including their morphology, physiology, ecology and the laboratory techniques used to investigate them. The course includes the structures and biochemical functions of microorganisms, with emphases on the roles of microorganisms in the health and disease of hosts, ecosystem services, the immune system, epidemiology, and the pathogenesis, diagnosis, and treatment of disease. of microorganisms. (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. This course is intended to fulfill requirements for nursing, physical education, and allied health students. Lab. (AA,CSU,UC)

**BIO 2710****HUMAN DISSECTION****1 unit, - lecture hours / 48-54 lab hours****Pass/No Pass Prerequisite:** BIO 2700

This supervised study of human dissection techniques includes a review of dissection procedures as well as practical experience with human cadavers. The course uses a regional approach to human anatomy and covers all major muscle groups, organs, nerves and blood vessels of the body. It is intended for students who are interested in medical careers, pathology and normal anatomy of the human body. (AA, CSU)

## **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) (C-ID: BIOL 120B)

## **BIO 2929 SPECIAL STUDIES**

**1-2 units, 48-108 lab hours**

**Graded**

**Prerequisite:** A minimum grade of 'C' in CHEM 2000

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, 0.5-8units/semester. This course may be taken for credit a total of four times. (AA,CSU)

## **BUSINESS**

### **Faculty**

Shawn Abbott

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***

Business Administration for Transfer (AS-T)

### ***Certificates of Achievement***

Accounting  
Administrative Assistant

### ***Certificate***

E-Business

### **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 associate 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 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)  
CSCI 1001 – Introduction to Comp Science (3)  
CSCI 1024 – Beginning Spreadsheets (3)  
BA 2949 – Work Experience (2)

#### ***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 associate 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**

#### ***Complete the following:***

BA 1001 – Financial Accounting (4)  
BA 1006 – Introduction to Business (3)  
BA 1018 – The Legal Environment of Business (3)  
BA 1501 – Managerial Accounting (4)  
ECON 1010 – Principles of Macroeconomics (3)  
ECON 1020 – Principles of Microeconomics (3)

#### ***Complete one of the following:***

MATH 1010 – Finite Mathematics (3)  
MATH 1050 – Elementary Statistics (4)

**Total Major Units: 23-24**

**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 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 – Breadth (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 1501 - Managerial Accounting (4)  
BA 1018 - Legal Environment of Business (3)  
ECON 1010 - Microeconomics (3)  
ECON 1020 - Macroeconomics (3)



**List A - Complete one of the following: (3-4)**

MATH 1010 - Finite Math (3)

MATH 1050 - Elementary Statistics (4)

**List B - Complete two of the following: (6-7)**

Any course from List A not already used (3-4)

BA 1006 - Introduction to Business (3)

CSCI 1001 - Introduction to Computer Science (3)

**Total Major Units: 26-27**

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 of Achievement**

***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)

ECON 1010 – Principles of Macroeconomics (3)

ECON 1020 – Principles of Microeconomics (3)

***Complete one of the following:***

CSCI 1024 – Beginning Spreadsheets (3)

CSCI 1524 – Intermediate Spreadsheets (3)

**Total Certificate Units: 29**

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

**Administrative Assistant**

**Requirements for the Certificate of Achievement**

***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.**

***E-Business***

**Requirements for the Certificate of Achievement**

***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 1014 – 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**

## Courses

### **BA 0920**

#### **PRACTICAL ACCOUNTING**

**3 units, 48-54 lecture hours / 16-18 lab hours**

**Graded**

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)

### **BA 0985**

#### **INTRODUCTION TO ENTREPRENEURSHIP**

**2 units, 32-36 lecture hours**

**Graded**

This course will introduce participants to entrepreneurship and its role in the market economy. Topics include: What is an Entrepreneur, Preparing for Business, Opportunity Recognition and Market Analysis, Marketing Plan and Sales, Analyzing Finances, Starting Your Business, Managing Your Business, and Growing Your Business. (AA)

### **BA 1001**

#### **FINANCIAL ACCOUNTING**

**4 units, 64-72 lecture hours / 16-18 lab hours**

**Graded**

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) (C-ID: ACCT 110)

Prerequisite: BA 0920

Advisory: ENGL 0900 and MATH 0850

### **BA 1006**

#### **INTRODUCTION TO BUSINESS**

**3 units, 48-54 lecture hours**

**Graded**

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, UC)

Advisory: ENGL 0900

### **BA 1014**

#### **PRINCIPLES OF BUSINESS MANAGEMENT**

**3 units, 48-54 lecture hours**

**Graded**

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)

### **BA 1015**

#### **HUMAN RELATIONS IN BUSINESS**

**3 units, 48-54 lecture hours**

**Graded**

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)

Advisory: ENGL 0900

**BA 1018**  
**LEGAL ENVIRONMENT OF BUSINESS**  
**3 units, 48-54 lecture hours**  
**Graded**

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)  
Advisory: ENGL 0900

**BA 1024**  
**BEGINNING SPREADSHEETS**  
**3 units, 48-54 lecture hours**  
**Graded**

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 & functions, charts, tables, graphs, formatting features, workbook management, and financial functions. Students cannot receive credit for both CSCI 1024 and BA 1024. (AA, CSU)

**BA 1025**  
**BEGINNING WORD PROCESSING**  
**3 units, 48-54 lecture hours**  
**Graded**

This course is designed to introduce students to the basics of the latest word processing software for the application of projects in an office setting. Topics include: Formatting and customizing characters and paragraphs, inserting objects, maintaining documents, and creating tables and SmartArt. (AA,CSU)

**BA 1034**  
**PERSONAL FINANCE**  
**3 units, 48-54 lecture hours**  
**Graded**

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)  
Advisory: MATH 0830

**BA 1501**  
**MANAGERIAL ACCOUNTING**  
**4 units, 64-72 lecture hours / 16-18 lab hours**  
**Graded**

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) (C-ID: ACCT 120)  
Prerequisite: BA 1001

**BA 1524**  
**INTERMEDIATE SPREADSHEETS**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**BA 1525**  
**INTERMEDIATE WORD PROCESSING**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**BA 2929**  
**SPECIAL STUDIES**  
**1-2 units, 48-108 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, .5-8units/semester. This course may be taken for credit a total of four times. (AA,CSU)

## **CHEMISTRY**

**Faculty**  
Jenny Heath

**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.

**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.

## Courses

### **CHEM 1000**

#### **INTRODUCTION TO CHEMISTRY**

**5 units, 64-72 lecture hours / 48-54 lab hours**

**Graded**

Chemistry 1000 is designed for general education students, students transferring into allied health and some biology programs, and as a preparation course for General Chemistry. 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.

(AA, CSU, UC)

Advisory: MATH 0980

### **CHEM 1050**

#### **CHEMISTRY IN SOCIETY**

**3 units, 48-54 lecture hours**

**Graded**

This course will survey the wide range of different areas in society that fall within the field of chemistry. Students will fundamentally explore different topics of chemistry through real world applications, chemistry in the home, environment, medicine, art, as well as the fundamentals of the subject. The course is designed for non-science majors. (AA,CSU, UC)

### **CHEM 1100**

#### **INTRODUCTION TO ORGANIC AND BIOCHEMISTRY**

**5 units, 64-72 lecture hours / 48-54 lab hours**

**Graded**

Chemistry 1100 is designed for general education students, students transferring into allied health and a preparation course for organic chemistry. This course 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)

Prerequisite: CHEM 1000 or one year of high school Chemistry with a lab and a minimum grade of C.

### **CHEM 2000**

#### **GENERAL CHEMISTRY I**

**5 units, 48-54 lecture hours / 96-108 lab hours**

**Graded**

Chemistry 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)

Prerequisite: Completion of one year of any high school chemistry course with lab or a minimum grade of "C" in CHEM 1000 and a minimum grade of "C" in MATH 0980 or Qualification by Assessment

### **CHEM 2100**

#### **GENERAL CHEMISTRY II**

**5 units, 48-54 lecture hours / 96-108 lab hours**

**Graded**

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)

Prerequisite: CHEM 2000

### **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

## Faculty

Jayne Turk

## General Description

This program focuses on the areas of public communication, small group communication, oral interpretation, and interpersonal communication. This program 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)

COMS 1700 - Introduction to Mass Communication (3)

ENGL 1038 - Multicultural Communication (3)

**Total Major Units: 15**

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

## Courses

### **COMS 1100**

#### **PUBLIC SPEAKING**

**3 units, 48-54 lecture hours**

**Graded**

This course includes basic principles and practices of public speaking: developing proficiency and self-confidence in speaking. Focus will also include organization, development and communication of ideas, structure, style, and delivery. (AA, CSU, UC) (C-ID: COMM 110)

Advisory: ENGL 0900 or ENGL 0950 or qualification through assessment

### **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)

Advisory: COMS 1100

### **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. (AA, CSU, UC) (C-ID: COMM 140)

### **COMS 1300**

#### **INTERPERSONAL COMMUNICATION**

**3 units, 48-54 lecture hours**

**Graded**

This course is an introduction to the process of human communication with a focus on intra and inter personal 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)(C-ID: COMM 130)

Advisory: ENGL 0900 or qualification through assessment

### **COMS 1500**

#### **ORAL INTERPRETATION**

**3 units, 48-54 lecture hours**

**Graded**

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)

Advisory: ENGL 0900

### **COMS 1600**

#### **FUNDAMENTALS OF COMMUNICATION: RESOLVING PRIVATE, PUBLIC, AND GROUP CONFLICTS**

**3 units, 48-54 lecture hours**

**Graded**

This course is intended to help students understand the role of conflict in everyday life. Instruction is provided in identifying sources of conflict in private, public, and group environments. Students will practice resolving these conflicts and working toward the establishment of low-stress environments. The course emphasis is conflict management, mediation, and resolution skill development. (AA, CSU)

Advisory: ENGL 0900

## **COMS 1700**

### **INTRODUCTION TO MASS MEDIA**

**3 units, 48-54 lecture hours**

**Graded**

Introduction to the basic concepts of mass communication, including the effects, uses, and functions associated with the goods and services of mass media. Survey of mass communication and the interrelationships of media with society including history, structure and trends in media literacy, and social issues, including gender and cultural diversity. (CSU, UC)

## **COMS 2929**

### **SPECIAL STUDIES**

**1-2 units, 48-108 lab hours**

**Graded**

This course provides an opportunity for advanced students to do additional study on selected topics in Speech. A Special Studies class is for the highly motivated and self-directed student who is interested in working independently to produce a capstone project. (AA,CSU)

Advisory: COMS 1100 or COMS 1200 or COMS 1300

## **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 (3)

CSCI 1507 – Programming II (3)

CSCI 2006 – Assembly Language Programming (4)

**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 (4)

MATH 1400 – Calculus & Analytic Geometry I (4)

**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 1038 – Computer Game Design II (3)

CSCI 1039 – Introduction to Linux (3)

CSCI 1528 – Web Publishing II (3)

**Total Major Units: 26-27**

**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.

**Certificates**

**Game Design**

**Requirements for the Certificate in Game Design**

**Complete the following:**

ART 1031 – Digital Illustration (3)

ART 1036 – Web Animation – Flash (3)

CSCI 1007 – Programming I (3)

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: 16-17**

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

**PC Network/Hardware/Software**

**Requirements for the Certificate in PC/Network/Hardware/Software**

**Complete the following:**

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 in Programming**

#### ***Complete the following:***

CSCI 1007 – Programming I (3)

CSCI 1507 – Programming II (3)

#### ***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: 13-14**

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

## ***Web Design***

The Web Design certificate 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 in Web Design**

#### ***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 0860**

#### **THE DRONE ACADEMY**

**1 unit, 16-18 lecture hours / 48-54 lab hours**

**Ungraded**

Students will learn about the functions and controls of drones as well as learn basic flight operations in the field. The classroom and flight instruction will focus on registering drones, drones laws, rules for recreational and commercial use, drone setup, take-offs, landings, flying, shooting video and pictures, and video editing.

### **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 0870**

#### **COMPUTER LAB**

**0.5-1 unit, - lecture hours / 24-54 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 1007**  
**PROGRAMMING I**  
**3 units, 32-36 lecture hours / 48-54 lab hours**  
**Graded**

This course develops computer programming skills in an object-oriented language. Topics covered include: algorithm development, variables, modular programming, object oriented programming, control structures, and the use and modification of classes and their objects. (AA, CSU, UC) (C-ID: COMP 112)

**CSCI 1016**  
**INTRODUCTION TO INTERNET**  
**3 units, 48-54 lecture hours**  
**Graded**

This course is an introduction to the Internet, the World Wide Web. Students will learn to use the Internet for communication, recreation, and research. (AA, CSU)

**CSCI 1020**  
**INTRODUCTION TO COMPUTER APPLICATIONS**  
**3 units, 48-54 lecture hours**  
**Graded**

Students learn to create, edit, format, and modify word processing documents, spreadsheets, and presentations using the latest computer application software. The students also learn to navigate the World Wide Web, perform searches, and retrieve files using a myriad of web browsers and a connection to the Internet. (AA,CSU)

**CSCI 1024**  
**BEGINNING SPREADSHEETS**  
**3 units, 48-54 lecture hours**  
**Graded**

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 & functions, charts, tables, graphs, formatting features, workbook management, and financial functions. (AA, CSU)

**CSCI 1025**  
**BEGINNING WORD PROCESSING**  
**3 units, 48-54 lecture hours**  
**Graded**

Course Description: This course is designed to introduce students to the basics of the latest word processing software for the application of projects in an office setting. Topics include: Formatting and customizing characters and paragraphs, inserting objects, maintaining documents, and creating tables and SmartArt. (AA, CSU)

**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**

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)  
Prerequisite: CSCI 1037

**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 1507**  
**PROGRAMMING II**  
**3 units, 32-36 lecture hours / 48-54 lab hours**  
**Graded**

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) (C-ID: COMP 132)  
Prerequisite: CSCI 1007

**CSCI 1512**  
**WEB PROGRAMMING**  
**3 units, 32-36 lecture hours / 48-54 lab hours**  
**Graded**

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 preprocessor. (AA,CSU)  
Prerequisite: CSCI 1007 or CSCI 1028

**CSCI 1524**  
**INTERMEDIATE SPREADSHEETS**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**CSCI 1525**  
**ADVANCED WORD PROCESSING**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

**CSCI 1528**  
**WEB PUBLISHING II**  
**3 units, 48-54 lecture hours**  
**Graded**

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)  
Prerequisite: CSCI 1028

**CSCI 2006**  
**ASSEMBLY LANGUAGE PROGRAMMING**  
**3 units, 36- lecture hours / 54 lab hours**  
**Graded**

This course will cover fundamental principles of creating programs 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)  
Prerequisite: CSCI 1007

**CSCI 2010**  
**DISCRETE STRUCTURES**  
**3 units, 32-36 lecture hours / 48-54 lab hours**  
**Graded**

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, UC) (C-ID: COMP 152)  
Prerequisite: CSCI 1007

**CSCI 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)

**CSCI 2949**  
**WORK EXPERIENCE**  
**0.5-8 units, 27-432 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. Students can earn a maximum of 16 semester units, .5-4 units/semester. One unit of credit is earned for each 60 hours of unpaid, or 75 hours of paid work. (AA,CSU)

# CONSTRUCTION CRAFT TECHNOLOGY

## 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)

# EARLY CHILDHOOD EDUCATION

## Program Coordinator/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 relevant 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.

Career Options in this field include:

Early Education Program Site Supervisor, Entry positions in Family Services Agencies, Family Childcare Provider, Head Start Teacher or Site Director, Independent Preschool Teacher or Director, Infant-Toddler Caregiver or Site Director, State Preschool Teacher or Site Director, Transfer to a four-year institution and advanced career choices.

**Note: Some career options may require more than two years of college level study.**

### Degree/Certificate Options

#### **Associate in Arts Degree**

Early Childhood Education (AA)

#### **Associate in Science Degree**

Early Childhood Education for Transfer (AS-T)

*Note: Course of Study leading to California State Department of Education Child Development Permits.*

**Note: College of the Siskiyous courses in Early Childhood Education are aligned with the Child Development Permit Matrix. Visit [www.childdevelopment.org](http://www.childdevelopment.org) to view the Matrix.**

This degree prepares students for work in early childhood education as teachers, caregivers, or directors or to transfer to four-year colleges offering a bachelor's degree in early childhood education or child development. The Associate in Science Degree for Transfer is intended for students who wish to obtain a bachelor's degree in a similar major at a CSU campus.

Students will gain an understanding of the cognitive, psychosocial, and physical development of the child from conception through adolescence and the application of this knowledge to work with children and families.

### **Associate in Science in Early Childhood Education**

#### **Requirements for the Major**

##### ***Complete the following:***

- ECE 1001 – Introduction to Early Childhood Education (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**

**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 (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**

**1-2 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) (C-ID: ECE 120)

**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****INTRODUCTION TO 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 A DIVERSE SOCIETY****3 units, 48-54 lecture hours****Graded**

This course presents and explores principles and practices of working with diverse groups of young children and their families. There is emphasis the development of identity in diverse societies, including the theoretical and practical implications for young children, their families, early education programs and early educators. Students will gain familiarity with current research in anti-bias education; and will explore personal and societal biases in order to best inform teaching practices and program development. (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. (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 in ECE 1002

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****3 units, 48-54 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, 0.5-8units/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 training in a variety of areas that are not specifically covered in comprehensive early childhood education classes. The workshop is designed to benefit those employed and/or planning to be employed in the field of early education. May be taken for credit a total of four times. (NDA)

## **ECONOMICS**

### **Faculty**

Shawn Abbott

### **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) (C-ID: ECON 202)

#### **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) (C-ID: ECON 201)

## **EDUCATION**

### **Courses**

#### **EDUC 0670**

##### **CRITICAL SKILLS LAB**

**0 units, - lecture hours / 2-180 lab hours**

**Ungraded**

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)

Corequisite: Concurrent enrollment in a credit course

**EDUC 0870**  
**BASIC SKILLS IMPROVEMENT LAB**  
**0.5 units, 27-30 lab hours**  
**Pass/No Pass**

This course includes a review of skills necessary for successful completion of college level courses. Emphasis is placed on strengthening language arts skills to effectively pursue vocational and/or academic goals. (NDA)

**EDUC 0890**  
**ORIENTATION TO ONLINE LEARNING**  
**0.5 units, 8-9 lecture 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 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**  
**0.5 units, 9.5- 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)

## **EMERGENCY MEDICAL SERVICES**

**Dean of Career & Technical Education**  
Mark Klever  
530.938.5512

Faculty  
Interim Director/Program Coordinator  
Kirk Thomsen

### **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 industry paramedic, 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 DL51.
- 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

### *Certificate 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 associate 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, 2013, and 2019.

## 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 1A-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 1B-THEORY****14 units, 176-198 lecture hours / 160-180 lab hours****Graded****Prerequisite:** EMS 0954

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 lab 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 lab hours****Pass/No Pass****Prerequisite:** EMS 0956

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)

**EMS 0958****PARAMEDIC III - FIELD INTERNSHIP REVIEW****2.5 units, 120-135 lab hours****Pass/No Pass****Prerequisite:** EMS 0957. Must have taken EMS 0957 in same academic calendar year. May take course with instructor approval only.

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)

**EMS 0959****PARAMEDIC III - FIELD INTERNSHIP REVIEW 2****2 units, 112-126 lab hours****Graded****Advisory:** EMS 0957

This course provides further hands-on experience on the ambulance. Students will have the opportunity to complete California State Title 22 requirements to become a paramedic if the requirements were not completed in EMS 0958.

**EMS 1001****EMERGENCY MEDICAL TECHNICIAN****6 units, 72-81 lecture hours / 72-81 lab hours / 22-25 other hours****Graded Prerequisite:** EMS 0950 or currently be certified in CPR for the Professional Rescuer

This course provides the instruction necessary to prepare for the EMT Certification examination. The course subject material includes: the function of the body systems, airway, trauma, medical, obstetric, pediatric, and geriatric emergencies. Students will be required to spend a minimum of 24 hours observing emergency care providers outside of classroom. Students must pass a background test, pass the National Registry Exam (additional fee and location), hold a current CPR card and be 18 years of age to receive Sierra Sacramento-Valley (SSV) EMS EMT certification. (AA, CSU)

**EMS 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, .5-8units/semester. This course may be taken for credit a total of four times. (AA,CSU)

**EMS 9060****EMERGENCY MEDICAL TECHNICIAN REFRESHER****1 unit, 16-18 lecture hours / 8-9 lab hours****Pass/No Pass**

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)

**EMS 9065****EMERGENCY MEDICAL RESPONDER****2 units, 32-36 lecture hours / 16-18 lab hours****Graded**

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)

**EMS 9066****EMERGENCY MEDICAL RESPONDER - REFRESHER****0.5 units, 8-9 lecture hours / 8-9 lab hours****Pass/No Pass**

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)

**EMS 9080****FIRST AID FOR PUBLIC SAFETY PERSONNEL TITLE 22****1 unit, 16-18 lecture hours / 8-9 lab hours****Pass/No Pass**

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)



## **EMS 9081**

### **ADVANCED FIRST AID**

**0.5 units, 8-9 lecture hours**

**Pass/No Pass**

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)

## **EMS 9082**

### **COMMUNITY FIRST AID AND CPR**

**0.5 units, 8-9 lecture hours**

**Pass/No Pass**

This course is designed for the community lay rescuer: day care providers, teachers, school officials, and construction workers. This covers OSHA First Aid & 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)

## **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

#### **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 1000 – 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**

**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

### ENGR 2017

#### INTRODUCTION TO CIRCUIT ANALYSIS

4 units, 48-54 lecture hours / 48-54 lab hours

Graded

**Prerequisite:** PHYS 2110 and completion of or concurrent enrollment in 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)

## ENGLISH

### Faculty

Elizabeth Carlyle  
Maria Fernandez  
Dr. Mike Tischler

The English program at College of the Siskiyous provides training in analytical, communicative, and writing skills necessary for a number of professions. English majors have a good background for careers in teaching, journalism, technical writing, freelance writing, telecommunications, editing, magazine or book publishing, book marketing and distribution, advertising, law, business, and corporate communication. The English major prepares students for careers requiring strong communication skills, organizational abilities, and critical thinking skills. The English curriculum also academically prepares the student to transfer to a four-year university to complete a Baccalaureate degree in a related discipline. The Associate in Arts Degree in English for Transfer will meet the needs of students transferring to a California State University who intend to study in an English-related major. Please check with a counselor for specific transfer requirements.

### 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

### Associate in Arts Degree for Transfer

#### *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. 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 English for Transfer (AA-T option), students must complete:**

- The English major requirements listed below.
- The California State University General Education – Breadth requirements (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:***

ENGL 1501 – 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 2543 – World Literature (3)

ENGL 2546 – British Literature II (3)

ENGL 2544 – American 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

#### **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 in Creative Writing**

***Complete the following:***

ENGL 1001 – College Composition (4)

ENGL 1019 – Introduction to Creative Writing (3)

ENGL 1023 – Creative Writing Workshop (1)

ENGL 1501 – Advanced Composition – Literature (3)

ENGL 2021 – Writing for Publication (3)

***Complete six units of the following:***

ENGL 1020 – Advanced Creative Writing – Fiction (3)

ENGL 1021 – Advanced Creative Writing – Poetry (3)

ENGL 1022 – Advanced Creative Writing -- Creative Non Fiction (3)

**Total Certificate Units: 20**

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

## Courses

**ENGL 0850**  
**INTERMEDIATE READING AND WRITING SKILLS**  
**3.5 units, 48-54 lecture hours / 32-36 lab hours**  
**Graded**

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)  
Prerequisite: ENGL 0800 or qualification through assessment

**ENGL 0870**  
**WRITING LAB**  
**0.5-1 unit, - lecture hours / 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 0897**  
**THINKING CRITICALLY ABOUT STUDENT SUCCESS**  
**0.5 units, 8-9 lecture hours**  
**Ungraded**

This course assists students in strengthening critical thinking skills and becoming more effective and reflective learners. In partnership with an instructor, students will consider their unique learning processes as well as their learning strengths and challenges. Students will then attend a variety of Student Success Seminars and assess the relevance and potential for application of Seminar strategies in their own lives. In written reflections, students will think critically to identify and move beyond perceived obstacles, will enhance prior learning, and will build learning confidence.

**ENGL 0898**  
**RESOURCES FOR LITERACY AND COMPOSITION**  
**1 unit, 48-54 lab hours**  
**Ungraded**

This course offers support for students seeking to optimize their reading and writing success. Through experimentation with specialized resources and strategies, students will expand their academic support network, rethink their reading and writing processes, and become more efficient and resourceful learners.

**ENGL 0900**  
**INTRODUCTION TO COLLEGE READING AND WRITING**  
**4 units, 48-54 lecture hours / 48-54 lab hours**  
**Graded**

This course prepares students to write well-organized, unified and coherent academic essays for a college audience, teaches critical reading skills for college-level course materials, and introduces analysis, interpretation, inference, and information competency. (AA)  
Prerequisite: ENGL 0850 or qualification through assessment.

**ENGL 0958**  
**BUSINESS ENGLISH**  
**3 units, 48-54 lecture hours**  
**Pass/No Pass**

This course is a non-transfer elective for COS degree seekers. Some vocational-technical certificate and degree programs can select this course to include as a requirement or optional course within the degree or certificate pathway. This course is intended to provide any student with the basic skills needed for effective written communications in the workplace.

**ENGL 0999**  
**CONFIDENCE IN COLLEGE COMPOSITION**  
**1 unit, 16-18 lecture hours**  
**Pass/No Pass**

This course is designed to assist students who want to build confidence in academic reading and writing. It provides support in developing skills and strategies for success in transfer-level writing intensive courses. Students who enroll in this course will also be enrolled in the corresponding, linked section of ENGL 1001. (NDA)

**ENGL 1001**  
**COLLEGE COMPOSITION**  
**4 units, 64-72 lecture hours**  
**Graded**

This course is designed to teach the reading, writing, and research skills necessary to succeed in any subsequent college course. Students will critically read and write in a variety of rhetorical situations and contexts and incorporate college-level research. Minimum 6,000 words formal writing. (AA, CSU, UC)

Advisory: Students should consider concurrent enrollment in English 0999, a one unit high-support course.

**ENGL 1004**  
**TECHNICAL WRITING**  
**3 units, 48-54 lecture hours**  
**Graded**

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, manuals, proposals, other technical documents, letters, and memoranda. (AA, CSU, UC)  
Prerequisite: ENGL 0900

**ENGL 1019**  
**INTRODUCTION TO CREATIVE WRITING**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

Prerequisite: ENGL 1001

**ENGL 1020**  
**ADVANCED CREATIVE WRITING - FICTION**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

Prerequisite: ENGL 1018 or ENGL 1019

**ENGL 1021**  
**ADVANCED CREATIVE WRITING - POETRY**  
**3 units, 48-54 lecture hours**  
**Graded**

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)

Prerequisite: ENGL 1018 or ENGL 1019

**ENGL 1022****ADVANCED CREATIVE WRITING - CREATIVE NONFICTION****3 units, 48-54 lecture hours****Graded**

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)

Prerequisite: ENGL 1018 or ENGL 1019

**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**

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)

Prerequisite: ENGL 1001

**ENGL 1038****MULTICULTURAL COMMUNICATION****3 units, 48-54 lecture hours****Graded**

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)

Prerequisite: ENGL 0900 or qualification through assessment

**ENGL 1501****ADVANCED COMPOSITION-LITERATURE****3 units, 48-54 lecture hours****Graded**

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,UC) (C-ID: ENGL 120)

Prerequisite: ENGL 1001

**ENGL 1502****ADVANCED COMPOSITION - CRITICAL THINKING****3 units, 48-54 lecture hours****Graded**

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)

Prerequisite: ENGL 1001 or qualification through assessment

**ENGL 2021**  
**WRITING FOR PUBLICATION**  
**3 units, 48-54 lecture hours**  
**Graded**

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)  
Advisory: ENGL 1001

**ENGL 2036**  
**CHILDREN'S LITERATURE**  
**3 units, 48-54 lecture hours**  
**Graded**

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)  
Advisory: ENGL 1001

**ENGL 2043**  
**WORLD LITERATURE I**  
**3 units, 48-54 lecture hours**  
**Graded**

This course is a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from antiquity to the mid or late seventeenth century. (AA, CSU) (C-ID: ENGL 140)  
Prerequisite: ENGL 0900 or qualification through assessment.

**ENGL 2044**  
**AMERICAN LITERATURE I**  
**3 units, 48-54 lecture hours**  
**Graded**

This course introduces students to America's literary traditions from their beginnings to the second half of the nineteenth century. (AA,CSU,UC) (C-ID: ENGL 130)  
Prerequisite: ENGL 0900 or eligibility for ENGL 1001

**ENGL 2046**  
**BRITISH LITERATURE I**  
**3 units, 48-54 lecture hours**  
**Graded**

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, CSU, UC) (C-ID: ENGL 160)  
Prerequisite: ENGL 0900 or qualification through assessment  
Advisory: ENGL 1001or concurrent enrollment in ENGL 1001

**ENGL 2543**  
**WORLD LITERATURE II**  
**3 units, 48-54 lecture hours**  
**Graded**

This course is a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from the mid or late seventeenth century to the present. (AA, CSU) (C-ID: ENGL 145)  
Prerequisite: ENGL 0900 or qualification through assessment.

## **ENGL 2544**

### **AMERICAN LITERATURE II**

**3 units, 48-54 lecture hours**

**Graded**

This course introduces students to a wide range of American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present. (AA,CSU,UC) (C-ID: ENGL 135)

Prerequisite: ENGL 0900 or eligibility for ENGL 1001

## **ENGL 2546**

### **BRITISH LITERATURE II**

**3 units, 48-54 lecture hours**

**Graded**

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) (C-ID: ENGL 165)

Prerequisite: ENGL 0900 or qualification through assessment

Advisory: ENGL 1001 or concurrent enrollment in ENGL 1001

## **ENVIRONMENTAL SCIENCE**

### **Faculty**

Jenny Heath

Alison Varty

### **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 challenges 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.

### **Program learning outcomes**

Upon successful completion of this program 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.
- 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)

OR

BIO 1400 – Environmental Principles (3)

#### ***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: 18-19**

It is highly recommended 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 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. 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**

### **ENVR 0851**

#### **ENVIRONMENTAL WORKSHOP**

**0.5 units, 24-27 lab hours**

**Graded**

These workshops are designed to introduce participants to basic ecological principles and systems as well as their various components and interactions. Emphasis will be placed on the evaluation of human impact and disturbances (natural and human created) on local ecosystems and the placing of local issues within a global context. Topics will vary between workshops. May be taken for credit a total of four times. (NDA)

### **ENVS 1002**

#### **ENVIRONMENTAL SCIENCE**

**3 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)

## **ETHNIC STUDIES**

### **ETHN 1001**

#### **ETHNIC STUDIES**

**3 units, 48-54 lecture hours**

**Graded**

This interdisciplinary course will introduce the student to the diverse institutional, cultural, and historical issues relating to the past and present life circumstances of Afro-Americans, Native Americans, Asian Americans, and Hispanic Americans. (AA, CSU, UC)

## **FAMILY AND CONSUMER SCIENCE**

### **Courses**

### **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**

This course is an introduction to nutrition as a health science that examines the function of macro and micro nutrients and their relation to health. The metabolic action, requirements, and food sources of the nutrients are also studied. Diets for pregnant mothers, children, teenagers, and older adults are covered as well as the nutritional needs throughout the lifespan. Nutritional deficiencies and excesses as well as the recommended nutrient intakes and the role of diet in the development of chronic disease as well as diets for chronic illness and conditions are examined. (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)

## **FIRE/EMERGENCY RESPONSE TECHNOLOGY**

### **Program Coordinator/Faculty**

Mike Wilson

530.938.5512

### **General Description**

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 Company 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 heattransfer.
- 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

Company 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**

FIRE 0950 – Firefighter I Academy (20)

FIRE 1001 – Fire Protection Organization (3)

FIRE 1002 – Fire Prevention Technology (3)

FIRE 1003 – Fire Protection Equipment and Systems (3)

FIRE 1004 – Building Construction for Fire Protection (3)

FIRE 1005 – Fire Behavior and Combustion (3)

FIRE 1006 – Fire and Emergency Services Safety and Survival (3)

**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 associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

## 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 throughout 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 Technician (6)

EMS 9065 – Emergency Medical Responder (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)
- 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-131 Firefighter Type 1 (F-STEP)
- S-190 Wildland Fire Behavior (NWCG)
- S-212 Wildland Fire Chain Saws (NWCG)
- S-215 Fire Operations in the Wildland/Urban Interface (NWCG)
- Fire Control 1 Basic Fire Chemistry (F-STEP)

- Fire Control 2 Basic Operations-Structural (F-STEP)
- Fire Control 3B Structural Fire Fighting in Live or Fire Simulators (F-STEP)
- Fire Control 6 Wildland Firefighting Essentials (F-STEP)
- Fire Control 7 Wildland Firefighting (F-STEP)
- Firefighter Safety and Survival (CALFIRE)
- Firefighter Survival (F-STEP)
- Equal Employment Opportunity (CALFIRE)
- Firefighter Basic Training (CALFIRE)

### **Certificates**

#### ***Fire/Emergency Response Technology 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 successfully completing the course will be eligible for California Fire Service Training and Education System (CFSTES) certification as a Firefighter II once they complete the experience requirement and Taskbook. In addition students will receive certificates for Rescue Systems 1, Fire Control 4, and Company Officer 2C from State Fire Training. 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**

#### ***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:

All courses (with the exception of EMS 9065) are pass/no pass and are not calculated into a Grade Point Average (GPA). Students must receive a “Pass” for all coursework.

**Students must receive a “B” grade or better for EMS 9065.**

#### **Requirements for the Certificate**

EMS 9065 – Emergency Medical Responder (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 (2)

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)

FIRE 9500 – I-200 Incident Command (0.5)

**Total Certificate Units: 13.5**

#### ***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 – Emergency Medical Responder (2)

FIRE 9013 – Low Angle Rope Rescue Operation (0.5)

FIRE 9122 – Hazardous Materials First Responder Operational (1)

FIRE 9167 – CALFIRE Basic Firefighter (3.5)

FIRE 9666 – Firefighter Survival (0.5)

**Total Certificate Units: 7.5**

### **Courses**

#### **FIRE 0950**

#### **FIRE FIGHTER I ACADEMY**

**20 units, 160-180 lecture hours / 480-540 lab hours**

**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)

**FIRE 1001****FIRE PROTECTION ORGANIZATION****3 units, 48-54 lecture hours****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)

**FIRE 1002****FIRE PREVENTION TECHNOLOGY****3 units, 48-54 lecture hours****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)

**FIRE 1003****FIRE PROTECTION EQUIPMENT AND SYSTEMS****3 units, 48-54 lecture hours****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)

**FIRE 1004****BUILDING CONSTRUCTION FOR FIRE PROTECTION****3 units, 48-54 lecture hours****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)

**FIRE 1005****FIRE BEHAVIOR AND COMBUSTION****3 units, 48-54 lecture hours****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)

**FIRE 1006****FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL****3 units, 48-54 lecture hours****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)

**FIRE 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, 0.5-8units/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, - lecture hours / 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 / 0 lab 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 swift water and flood-level situations. Topics include hydrology, swift water hazards, and rescue options. Rescue 3 International Certification. (NDA)

**FIRE 9022****SWIFTWATER RESCUE TECHNICIAN I****0.5 units, - lecture hours / 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 9036****NOLS WMI WILDERNESS UPGRADE FOR MEDICAL PROFESSIONALS****1 unit, 8-9 lecture hours / 32-36 lab hours****Graded**

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, - lecture hours / 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 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 fourth of six classes in the Volunteer Fire Fighter Certification series. (NDA)

**FIRE 9105****VOLUNTEER FIRE FIGHTER CERTIFICATION 5****1.5 units, 24-27 lecture hours / 12-13.5 lab hours****Graded**

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 9127****RESCUE SYSTEMS I****0.5 units, 5- lecture hours / 35 lab hours****Pass/No Pass**

Rescue Systems 1 (Basic Rescue Skills) is designed for all emergency response personnel. The key topics include: Team organization, rescue, environmental considerations, use of ropes, knots rigging and pulley systems, descending, rappelling, and belaying tools and techniques, subsurface rescue techniques, use of cribbing, wedges, cutting/prying and hydraulic tools, use of fire service ladders in specialized rescue situations, and day and night simulated rescue exercises. (NDA)

Prerequisite: A minimum grade of "B" in FIRE 0950.

**FIRE 9130****S-130 FIREFIGHTER TRAINING****1 unit, 16-18 lecture hours / 16-18 lab hours****Pass/No Pass****Corequisite:** FIRE 9190

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, - lecture hours / 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**

This course provides the skills and knowledge needed for the entry level professional fire fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications. The five overarching themes of the California State Fire Fighter II curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, and prevention, preparedness, and maintenance. Students successfully completing the course will be eligible for California Fire Service Training and Education System (CFSTES) certification as a Fire Fighter II once they complete the experience requirement and Taskbook. In addition students will receive certificates for Rescue Systems 1 and Company Officer 2C from State Fire Training. (NDA)

Prerequisite: FIRE 0950

**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, 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****Advisory:** 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 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 9666****FIREFIGHTER SURVIVAL****0.5 units, 4-4.5 lecture hours / 12-13.5 lab hours****Pass/No Pass**

This course was developed in the continuing effort to reduce the number of firefighter injuries and fatalities that occur on an annual basis. It provides a greater understanding of how to avoid committing fatal errors on the fire ground. Avoiding situations that could cause you to become lost, trapped, or injured is the best way to prevent tragedies at a fire scene. Topics include firefighter survival terminology, developing a survival attitude, increasing situational awareness, and being trained in problem solving techniques so you can become more self-reliant in an emergency. (NDA)

**FIRE 9667****RIC OPERATIONS****0.5 units, 8-9 lecture hours / 12-13.5 lab hours****Graded****Prerequisite:** A minimum grade of "B" in FIRE 0950 (Fire Fighter I Academy)

The Rapid Intervention Crew Operations course trains fire fighters to rescue a downed fire fighter in an immediately dangerous to life and health environment in the continuing effort to reduce the number of fire fighter injuries and deaths that occur regularly. Students train using evolutions and scenarios based off tragedies suffered by fellow fire fighters from departments across the country. Students receive information on how to locate and use these LODD studies as training and prevention tools throughout their careers. The course focuses on the three phases of a RIC operation: 1) pre-deployment, 2) deployment, and 3) rescue. During the class, you will also gain a greater understanding of RIC operations terminology and the RIC mindset.

**FIRE 9670****COMPANY OFFICER 2A - HR MANAGEMENT****1 unit, 20 lecture hours / 20 lab hours****Pass/No Pass****Prerequisite:** A minimum grade of "B" in FIRE 9181 (Firefighter II Academy)

This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. (NDA)

**FIRE 9671****COMPANY OFFICER 2B - GENERAL ADMINISTRATIVE FUNCTIONS****0.5 units, 8-9 lecture hours / 12-13.5 lab hours****Graded****Prerequisites:** A minimum grade of "B" in FIRE 9181 (Firefighter II). Must have completed Firefighter 1

This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public.

## **FIRE 9672**

### **COMPANY OFFICER 2C - FIRE INSPECTIONS AND INVESTIGATION**

**2.5 units, 40-45 lecture hours**

**Graded**

**Prerequisite:** A minimum grade of "B" in FIRE 9181 (Firefighter II Academy)

This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. (NDA)

## **FIRE 9673**

### **COMPANY OFFICER 2D - ALL-RISK COMMAND OPERATIONS**

**0.5 units, 8-9 lecture hours**

**Graded**

**Prerequisites:** FIRE 9181

This course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multiunit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and developing and conducting a post-incident analysis.

## **FIRE 9675**

### **INSTRUCTOR 1 - INSTRUCTIONAL METHODOLOGY**

**0.5 units, 8-9 lecture hours / 12-13.5 lab hours**

**Pass/No Pass**

This course provides the skills and knowledge needed for the entry level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of National Fire Protection Agency 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. The Instructor I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction. (AA, CSU).

## **GEOGRAPHY**

### **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**

### **General Description**

Geology is the study of the Earth. Geologists apply a wide range of scientific ideas and techniques to understand both the processes that are changing the planet today as well as those that have shaped it—and the life it supports—during the past 4.6 billion years. Geologists play key roles in helping society manage Earth resources, assess the threats posed by geologic hazards and understand the rapid changes now occurring in the planet's environment. All of these issues are expected to become more critical as Earth's human population grows, which is why the geoscience workforce is predicted to increase faster (14%) during the coming decade than the overall U.S. workforce (11%).

### **Program Learning Outcomes**

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

- Correctly identify a variety of common rocks and minerals and explain what each tells us about the geologic processes that produced it.
- Establish the timing of the geologic events that have shaped a region, as depicted on a geologic map or cross-section, by applying relative and absolute dating principles.
- Distinguish the three types of boundaries that separate Earth's lithosphere plates and explain how the stress at each is related to the deformation, seismicity and volcanism observed there.
- Sketch a cross-section of Earth's interior and explain how the contrasting properties of different regions have enabled us to map the planet's internal structure and link processes there to those occurring at the surface.
- Recognize common landforms from their depictions on topographic maps and analyze how each is formed through interactions between constructional processes and erosion caused by the movements of water, wind and ice.
- Correctly identify a variety of common fossils, describe the place of each in the history of life and explain how fossils, collectively, enable us to assess the roles that natural selection and environmental change have played in shaping life on Earth.
- Apply principle of actualism to infer past environmental conditions using rock characteristics, stable isotope ratios, seawater Ca/Mg ratios and similar measurements.

- Outline major events that have shaped Earth's history and correctly determine the approximate period depicted by a paleogeographic map during Late Proterozoic or Phanerozoic time.
- Analyze whether an observation, experimental result or proposed explanation is consistent with a scientific hypothesis for a natural phenomenon and effectively communicate this analysis to others.

### **Career Options**

Although geology careers are remarkably diverse they all have two things in common. First, field work is an integral part of every geologist's training and so the discipline often appeals to folks who like to be outdoors. Second, geologists are problem solvers who bring together ideas from many other disciplines to answer questions about the Earth. You can learn more about the range of jobs geologists do from the American Geosciences Institute's "Geoscience Careers" website ([www.americangeosciences.org/workforce/geoscience-careers-brochure](http://www.americangeosciences.org/workforce/geoscience-careers-brochure)). The Associate of Science in Geology for Transfer prepares students for further studies towards a baccalaureate degree in Geology or another Earth Science from the California State University (CSU).

**Note: Some career options may require more than two years of college level study.**

### **Degree/Certificate Options**

#### **Associate in Science Degree in Geology for Transfer (AS-T)**

The Associate in Science Degree in Geology for Transfer will meet the needs of students transferring to a California State University who intend to study in a GEOL-related major.

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

- The GEOL 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**

##### ***CORE - Complete the following:***

GEOL 1210 – Physical Geology (4)

GEOL 1220 – Historical Geology (4)

CHEM 2000 – General Chemistry I (5)

CHEM 2100 – General Chemistry II (5)

MATH 1400 – Calculus and Analytical Geometry I (5)

MATH 1500 – Calculus and Analytical Geometry II (5)

**Total major units: 28**

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**

#### **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, 5.3-6 lecture hours / 8.9-10 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****1 unit, 16-18 lecture 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 200)

## **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 by assessment or MATH 0851 or qualification by 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)

## **GUIDANCE**

### **Courses**

#### **GUID 0991**

##### **CAREER ASSESSMENT**

**0.5 units, 8-9 lecture hours**

**Graded**

An individualized and self-paced program designed to enable students to assess their career and college major options. Interests, skills, and personality traits will be assessed through the use of career assessment tools and self evaluation exercises. (AA)

#### **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**

This course provides students with the necessary skills and strategies to succeed personally and educationally in college and more greatly benefit from the collegiate educational experiences. Students will learn how to develop their skills and intrapersonal qualities to help maximize their potential in college and in life. Strategies will include: increasing self-motivation and self-awareness, self management, personal responsibility, identification of study and reading techniques and improvement of note taking and test taking. (AA, CSU)

**HEALTH****Faculty**

Tim Frisbie

Ed Kephart

Charlie Roche

**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)

# HISTORY

## Faculty

Chris Vancil

## General Description

History is the study and research of major social, political, cultural, and economic events of the past that shaped the contemporary world. In its broadest sense history is the study of the human experience. The study of history contributes to cultural literacy and develops critical thinking and other useful skills while helping students use the past to understand today and plan for tomorrow. The History curriculum prepares the students for transfer to a university to complete a Baccalaureate degree in a related discipline. In addition, the History curriculum makes an excellent supplement to any number of other majors because it enhances an individual's ability to think critically, communicate effectively, and provides an understanding of the human experience which will enrich any profession. Please check with a counselor for specific transfer requirements.

## 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 Options

### *Associate in Arts Degrees*

History (AA)

History for Transfer (AA-T)

### *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)

HIST 1043 – Latin American History (3)

HIST 1044 – African-American History (3)

HIST 1046 – Eastern Civilizations to 1600 (3)

HIST 1047 – Eastern Civilizations since 1600 (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.

## Associate in Arts Degree in History for Transfer

The Associate in Arts Degree in History for Transfer will meet the needs of students transferring to a California State University who intend to study in a History related major.

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

- The History 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

#### ***CORE - Complete the following:***

HIST 1017 – United States History to 1877 (3)

HIST 1018 – United States History since 1877 (3)

#### ***List A - Complete the following:***

HIST 1004 – Western Civilizations to 1600 (3)

HIST 1005 – Western Civilizations since 1600(3)

#### ***List B - Complete one course in each area:***

##### Area 1: Diversity

ETHN 1001 – Ethnic Studies (3)

HIST 1007 – Native American History (3)

HIST 1008 – History of Women in the United States (3)

HIST 1042 – History of China (3)

HIST 1043 – History of Latin America (3)

HIST 1044 – African-American History (3)

HIST 1046 – Eastern Civilization to 1600 (3)

HIST 1047 – Eastern Civilization since 1600 (3)

HIST 1049 – History of the Middle East (3)

##### Area 2: Social Science

HIST 1006 – California History and Politics (3)

HIST 1022 – Environmental History of North America (3)

POLS 1001 – American Government: National, State, and Local (3)

POLS 1007 – World Politics (3)

**Total major units: 18**

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

### **HIST 1004**

#### **WESTERN CIVILIZATIONS TO 1600**

**3 units, 48-54 lecture hours**

**Graded**

**Advisory:** ENGL 1001

Survey of the development of western culture and civilization to the Reformation. (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. (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 California from its Spanish origins to modern day, including its politics, culture, social institutions, economic development and geography. (AA,CSU,UC)

**HIST 1007****NATIVE AMERICAN HISTORY****3 units, 48-54 lecture hours****Graded**

A comprehensive history of the Native American including social, political and cultural issues. (AA,CSU,UC)

**HIST 1008****HISTORY OF WOMEN IN THE UNITED STATES****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 from the Ancient World until 1450. (AA, CSU, UC)

**HIST 1010****WORLD CIVILIZATIONS SINCE 1450****3 units, 48-54 lecture hours****Graded**

Survey of the development of world civilizations since 1500.(AA, CSU, UC)

**HIST 1017****UNITED STATES HISTORY TO 1877****3 units, 48-54 lecture hours / 16-18 lab hours****Graded****Advisory:** ENGL 1001

A survey of American history from pre-contact North America to 1877. (AA, CSU, UC) (C-ID: HIST 130)

**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) (C-ID: HIST 140)

**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 1023****AMERICAN MILITARY HISTORY****3 units, 48-54 lecture hours****Graded**

This course covers American military history from pre-colonial to the present, including the major military events, wars, ideas and the rise of the military industrial complex. The emphasis of the course will be on placing these events within the larger historical context of American History. Topics include: Military theory, Revolutionary War, War of 1812, Western Expansion, Mexican American War, WWI, WWII, Vietnam and the modern Iraq/Afghanistan conflicts. Students will analyze a variety of primary and secondary sources in their study. (AA,CSU)

**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 1047****EASTERN CIVILIZATIONS SINCE 1600****3 units, 48-54 lecture hours****Graded****Advisory:** ENGL 1001

A survey of East Asian civilizations from 1600 to the present. Students will explore the evolution of political, cultural, social and religious institutions in China, Japan and Korea through primary and secondary sources. (AA,CSU,UC)

**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, 48-108 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 professional, Composer, Educator, Journalist; Law, Politics, Public Relations, and Museum Curator.

**Degree Options*****Associate in Arts Degree***

Humanities

***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 associated 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**

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)

Prerequisite: ENGL 0900 or qualification through assessment

### **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, UC)

### **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. Your 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)

ENGL 1501 – Advanced Composition-Literature (3)

ENGL 2036 – Children’s Literature (3)

ENGL 2042 – World Literature (3)

ENGL 2044 – American Literature I (3)

ENGL 2046 – British Literature I (3)

ENGL 2543 – World Literature (3)

ENGL 2544 – American Literature I (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 – Stagecraft (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 associated 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. Your 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) Ethnic Studies**

ETHN 1001 – Ethnic Studies (3)

**Music**

MUS 1234 – Diversity in American Music

(3) MUS 1633 – Survey of Jazz and Pop (3)

**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 associated 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 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 working knowledge of a natural science discipline's major facts and concepts.
- 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 quantitative and non-quantitative 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. Your 18 units must come from at least three disciplines.***

#### **Anthropology**

ANTH 1020 – Biological Anthropology (4)

#### **Astronomy**

ASTR 1110 – Astronomy (3)

#### **Biology**

BIO 1000 – Introduction to Life Sciences (4)

BIO 1400 – Environmental Principles (3)

BIO 1500 – Human Biology (4)

BIO 1600 – Field Natural History

(3) BIO 1700 – Field Botany (3)

BIO 2100 – General Biology I (5)

BIO 2200 – General Biology II

(5) BIO 2600 – Microbiology (4)

BIO 2700 – Human Anatomy (4)

BIO 2800 – Human Physiology (5)

#### **Chemistry**

CHEM 1000 – Introduction to Chemistry (5)

CHEM 1100 – Introduction to Organic & Biochemistry (5)

CHEM 2000 – General Chemistry I (5)

CHEM 2100 – General Chemistry II (5)

#### **Environmental Science**

ENVS 1002 – Environmental Science (4)

#### **Geography**

GEOG 1110 – Physical Geography (3)

#### **Geology**

GEOL 1110 – Environmental Geology (3)

GEOL 1120 – Geology of the National Parks

(3) GEOL 1130 – Geology of California (3)

GEOL 1140 – Oceanography (3)

GEOL 1210 – Physical Geology/Lab (4)

GEOL 1220 – Historical Geology/Lab (4)

#### **Mathematics**

MATH 1010 – Finite Mathematics (3)

MATH 1050 – Elementary Statistics (4)

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 associated 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.***

#### **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 Archeology (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)

HIST 1008 – History of Women in the U.S. (3)

HIST 1009 – World Civilizations to 1450 (3)

HIST 1010 – World Civilizations since 1450 (3)

HIST 1017 – United States History to 1877 (3)

HIST 1018 – United States History since 1877 (3)

HIST 1022 – Environmental History of North America (3)

HIST 1042 – History of China (3)

HIST 1043 – Latin American History (3)

HIST 1044 – African-American History (3)

HIST 1046 – Eastern Civilizations to 1600 (3)

HIST 1047 – Eastern Civilizations since 1600 (3)

HIST 1049 – History of the Middle East (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.**

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.

## MANUFACTURING

### Courses

#### **MFG 1010**

#### **INTRODUCTION TO COMPUTER AIDED DESIGN**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

Orthographic projection, dimensioning, tolerancing, working drawings, free hand sketches, and industry drawing standards are introduced. Student use 3D models and assemblies at an introductory level. Emphasis on third angle projection and proper drawing format. (AS, CSU)

#### **MFG 1020**

#### **INTRODUCTION TO MANUAL MACHINING**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

Basic setup and operation of machine tools such as engine lathes, milling machines, and drilling machines. Students are introduced to basic manufacturing processes and techniques. Emphasis on precision measurement and proper use of metrology tools. (AS, CSU)

#### **MFG 1112**

#### **ADVANCED COMPUTER AIDED DESIGN**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

**Prerequisite:** A passing grade of "C" or higher in MFG 1010 is required

Parametric modeling, working drawings, sub-assemblies and assemblies, bill of materials, geometric dimensioning and tolerancing, exploded views, and section views are used at an advanced level. Students apply knowledge of Computer Aided Design to produce complete sets of working drawings. Emphasis on design for manufacturing. (AS, CSU)

#### **MFG 1130**

#### **INTRODUCTION TO CNC MACHINING**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

**Prerequisite:** A passing grade of "C" or higher in MFG 1010 is required

Manual CNC programming is introduced using standard G-code format. Introduction to Computer Aided Manufacturing (CAM) software. Use of CAM software to develop CNC Programs designed to operate CNC Machine tools. Measuring tools such as micrometers, calipers, and height gages are introduced. Part setup, work coordinate offsets, tool length offsets, and program simulation are introduced. Emphasis on 2 and 2.5 axis milling. (AS, CSU)

## **MFG 1232**

### **INTERMEDIATE CNC MACHINING**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

**Prerequisite:** A passing grade of "C" or higher in MFG 1130 is required

Computer Aided Manufacturing (CAM) software is utilized extensively to produce G-Code programs to operate CNC Machine tools. CAD software is used in conjunction with CAM software to produce CNC machined projects. Metrology, set up sheets, and part inspectional introduced. Cutter materials, work holding devices and practices, and cutting tool shape. emphasis on 3 axle milling. (AS, CSU)

## **MFG 1240**

### **ADVANCED MANUAL MACHINING**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

An advanced manual machining course that focuses on industry standard manual machining at the advanced level. Student will use skills learned in MFG 1122 to produce various laboratory projects such as assemblies and tools. Machine tools such as engine lathes, milling machines, and drilling machines are used at an advanced level with emphasis on print reading and adherence to tolerance. (AS, CSU)

## **MFG 1340**

### **SPECIAL PROJECTS IN CNC MACHINING**

**3 units, 32-36 lecture hours / 48-54 lab hours**

**Graded**

**Prerequisite:** A passing grade of "C" or higher in MFG 1232 is required

Specialized projects not offered in standard courses. Students design, program and manufacture tooling or parts utilizing industry practices. Proper documentation and part inspection are emphasized. Previous knowledge of CNC machine tools is utilized to produce various CNC machined parts with special emphasis on assemblies, work holding and fits. Design for manufacturability is utilized in all designs. (AS, CSU)

## **MATHEMATICS**

### **Faculty**

Kevin Broussard

Wenli Chang

Shirley Louie

### **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 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 (4)  
PHYS 2105 – Mechanical Physics, Oscillations, Waves (4)

**Total Major Units: 24-25**

**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.

### 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 Sciences 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 (4)  
PHYS 2105 – Mechanical Physics, Oscillations, and Waves (4)

**Total major units: 21-22**

**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 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 0980****INTERMEDIATE ALGEBRA****4 units, 52-58.5 lecture hours / 40-45 lab hours****Graded****Prerequisite:** MATH 0850 or Qualification by Assessment or MATH 0852 or Qualification by 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).

**MATH 1010****FINITE MATHEMATICS****3 units, 48-54 lecture hours****Graded****Prerequisite:** MATH 0980 or qualification through assessment

A college-level math course recommended for students majoring in math, biological sciences, or social sciences and required for some business majors. Topics included are 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)

**MATH 1050****ELEMENTARY STATISTICS****4 units, 52-58.5 lecture hours / 40-45 lab hours****Graded****Prerequisite:** MATH 0980 or qualification by assessment

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) (C-ID: MATH 110)

**MATH 1100****COLLEGE ALGEBRA****4 units, 52-58.5 lecture hours / 40-45 lab hours****Graded****Prerequisite:** MATH 0980 or qualification by assessment

College level course in algebra for majors in science, technology, engineering, mathematics, and liberal arts: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry. The UC accepts transfer credit for either MATH 1200 or MATH 1100 but not both. (AA, CSU, UC)

**MATH 1200****PRE-CALCULUS****4 units, 52-58.5 lecture hours / 40-45 lab hours****Graded****Prerequisite:** MATH 1100 or qualification by assessment

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. The UC accepts transfer credit for either MATH 1200 or MATH 1100 but not both. (AA, CSU, UC)

**MATH 1400****CALCULUS AND ANALYTIC GEOMETRY I****4 units, 52-58.5 lecture hours / 40-45 lab hours****Graded****Prerequisite:** MATH 1200 or qualification by assessment

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)

## **MATH 1500**

### **CALCULUS AND ANALYTIC GEOMETRY II**

**4 units, 52-58.5 lecture hours / 40-45 lab hours**

**Graded**

**Prerequisite:** MATH 1400 or qualification through assessment

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) (C-ID: MATH 221)

## **MATH 2400**

### **CALCULUS AND ANALYTICAL GEOMETRY III**

**4 units, 52-58.5 lecture hours / 40-45 lab hours**

**Graded**

**Prerequisite:** MATH 1500

This course is the third in a sequence of three courses in Calculus and Analytic Geometry. Topics include Vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, divergence theorem. (AA, CSU, UC)

## **MATH 2500**

### **ORDINARY DIFFERENTIAL EQUATIONS**

**3 units, 48-54 lecture hours**

**Graded**

**Prerequisite:** MATH 2400

**Corequisite:** MATH 2600

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) (C-ID: MATH 240)

## **MATH 2600**

### **INTRODUCTION TO LINEAR ALGEBRA**

**3 units, 48-54 lecture hours**

**Graded**

**Prerequisite:** MATH 2400

**Advisory:** Concurrent enrollment in MATH 2500

Math 2600 is an introduction to Linear Algebra. This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. (AA,CSU,UC)

## **MUSIC**

### **Faculty**

David Blink

Dr. Ronald Slabbinck

### **General Description**

The Music program at College of the Siskiyous offers degrees, certificates, and coursework in the areas of vocal performance, instrumental performance, and music and theater performance. Provides programs for students who wish to prepare for one of the many careers in music; broaden their general knowledge of music; develop performance skills or pursue an advanced degree in music. Includes theory, keyboarding, and ear training skills.

### **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: MUS1022.

## Degree/Certificate

### Options Associate in Arts

**Degrees** Music: Vocal

Performance

Music: Instrumental Performance Music and Theater Performance Music (AA-T)

### 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 associated 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 in 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)

**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 in one additional ensemble (1.5-2 units per sem.) (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)

**Total Units - Year Two: 20-21 Total Major Units: 44-46**

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

Note: \*Guitar & Piano majors may choose between Concert Choir and Concert Band for a large ensemble.

**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.**

### ***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 associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

### **Associate in Arts Degree in Music for Transfer**

The Associate in Arts Degree in Music for Transfer will meet the needs of students transferring to a California State University who intend to study in a MUS-related major.

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

- The MUS 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 one the following:***

MUS 1004 – Fundamentals of Music (3)  
MUS 1101 – Music Theory I (4)

#### ***Complete the following:***

MUS 1014 – Applied Music Technique (2)  
MUS 1601 – Music Theory II (4)  
MUS 2101 – Music Theory III (4)  
MUS 2601 – Music Theory IV (4)

#### ***Complete four of the following:***

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)

**Total major units: 23-24.5**

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**

#### **MUS 0506**

#### **COMMUNITY CHOIR**

**0 units, 22.4-25.2 lecture hours / 25.6-28.8 lab hours**

**Ungraded**

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****Ungraded**

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 0511****COMMUNITY CONCERT BAND****0 units, 5.76-25.2 lecture hours / 6.24-28.8 lab hours****Ungraded**

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****Ungraded**

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****Ungraded**

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****Ungraded**

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 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, 16-18 lecture hours / 24-27 lab hours****Graded****Prerequisite:** Audition required.

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, 16-18 lecture hours / 24-27 lab hours****Graded****Prerequisite:** Audition required.

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****CONCERT****BAND****1.5 units, 16-18 lecture hours / 24-27 lab hours****Graded****Prerequisite:** Audition required.

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, 16-18 lecture hours / 24-27 lab hours****Graded****Prerequisite:** Audition required.

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****Prerequisite:** Audition required

MUS 1508 prepares students for participation in instrumental and vocal ensembles, with intensive preparation toward performance. Available for most instruments, and vocalists. Emphasis is on the active participation, and performance of diverse instrumental combinations, including, but not limited to, duets, trios, string; vocalists woodwind, and brass quartets, quintets, etc. within the context of a large ensemble. (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 (Beginning Piano) 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 AND EAR TRAINING 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 2101 primarily studies late Classical Era, Romantic, Post-Romantic and Impressionist compositional techniques. Specific concepts covered include Neapolitan 6th Chords, Augmented 6th Chords, Extended Harmonies, Altered Dominants, Chromatic Mediants and non-functional techniques from the Romantic, Post-Romantic and Impressionist Periods. (AA, CSU, UC) (C-ID: MUS 140 & MUS 145)

**MUS 2523****APPLIED MUSIC - LITERATURE****2 units, 32-36 lab hours / 80-90 other hours****Graded****Prerequisite:** Completion of four semesters of MUS 1014 - Technique**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)

**MUS 2601****MUSIC THEORY IV****4 units, 64-72 lecture hours / 16-18 lab hours****Graded****Prerequisite:** MUS 2101

MUS 2601 is the fourth and final Music Theory Course. In this course, major compositional forms are studied as well as 20th Century techniques. Specific forms include 18th Century Counterpoint, Binary Form, Ternary Form, Variation Technique, Sonata Form, and Rondo Form. 20th Century Techniques studied include Asymmetry, Polytonality, Serialism, and Twelve-tone Technique. (AA,CSU,UC) (C-ID: MUS 150)

**MUS 2929****SPECIAL STUDIES****1 unit, 48-54 lab hours****Graded**

This course is designed to meet the needs of music students, which cannot be met with the traditional course offerings. A project must be agreed upon by the student and the music instructor mentoring the project. (AA,CSU)

**MUS 2937****CHOIR CONCERT TOUR****2 units, 120 lab hours****Graded****Prerequisite:** Assessment by audition

This course is a choir concert tour with performances at selected sites outside our immediate area accompanied by opportunities to visit and study historical sites and participate in cultural events and exchanges. This course may be taken for credit a total of four times. (AA,CSU)

# MUSIC INDUSTRY

## Courses

### 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**

**GradedP**

**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 TECHN 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, - lecture hours64-72 other 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)



## 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)

## NURSING

### Program Director

Cora Brownell  
530.841.5929

### Assistant Directors

Rhonda Brown, LVN to RN Program  
Kim Parham, VN Program

### Faculty

Rhonda Brown  
Hallie Coppi  
Karen Harper  
Kim Parham

### 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 faculty believes that nursing is both a profession and a discipline guided by professional standards and ethics that is responsive to the changing health needs of patients, families, and communities. Nursing promotes, maintains, or restores wellness and prevents disease. Nursing faculty also believe nursing is both an art and a science and requires critical thinking, synthesizing knowledge while providing competency based skills with proficiency. Further, the nursing faculty endorses the 6 domains of QSEN and believes the principles should inform nursing education with particular attention to patient centered care, safety, and collaboration.

The faculty, acknowledging the dynamic nature of nursing, is committed to integrating current evidenced based knowledge and practices into the educational process and instilling the importance of lifelong learning, and collaborative, patient centered care to achieve positive patient outcomes. Students assume primary responsibility for their own learning while faculty provides educational opportunities for knowledge acquisition and professional role development. The student is considered and expected to be an active participant in the education experience.

The faculty views each student as a unique individual with special abilities, talents, needs, and goals. Cultural diversity, varying life experiences, and changing socioeconomic factors affect each student differently. The faculty functions as role model, coach, motivator, facilitator, and resource in the learning process by providing direction for learning and growth as a health care provider. Adult learning principles are the basis for teaching.

### **RN Program Learning Outcomes**

Upon completion of the program, the student will:

- Demonstrate a broad base of nursing and supportive (physical, psychological, social, spiritual) knowledge and critical thinking while providing culturally aware, evidenced based, safe, patient centered care to a diverse patient population across the life span.
- Utilize critical thinking and the nursing process in developing and implementing evidence based patient plan of care, including teaching, to provide safe, quality, and comprehensive nursing care.
- Demonstrate proficiency and competency when performing nursing skills and procedures, integrating QSEN concepts, to achieve positive patient outcomes.
- Demonstrate and provide care consistent with scope of practice, legal, ethical and advocacy principles, and regulatory and organizational requirement to achieve positive patient outcomes.
- Demonstrate communication and technology skills essential for providing and documenting safe patient care.
- Function effectively as a team member/leader incorporating knowledge of healthcare team member roles and participate collaboratively, fostering open communication, mutual respect, and share decision-making to achieve quality patient care and positive patient outcomes.
- Demonstrates professionalism, leadership skills, integrity, and accountability in nursing practice, and verbalize understanding of importance of lifelong learning to maintain standards of competent performance.

### **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 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, 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. 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](mailto: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 Fall semester prior to the beginning of the spring 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](mailto: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)  
ENGL 1001 – 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: MATH 0980 – Intermediate Algebra (4) or higher*

###### **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 (2)**

*Enrollment and completion of LVN-RN Step-Up Program meets one unit of this requirement.*

*(1) Complete another 1 unit from one of the following areas: PEAC, PEFI, or THEA 1305, 1310, 1320.*

**Total Prerequisite and General Education units: 32**

## Associate of Science Degree Major Requirements

### **Spring Semester:**

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 (7.5)

### **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**

Licensed Vocational Nurses (LVNs), Veterans with health care training, and other health care workers may be eligible to obtain placement in the nursing program on a space available basis through challenge exams, portfolio assessment, and credit for equivalent courses. Any student granted credit for previous education and/or experience shall be expected to enroll in the final semester of the associate degree nursing program regardless of the number of clinical hours previously completed in another program.

Any applicant requesting credit for previous training in healthcare/nursing must present documentation / transcripts from an accredited or approved source. Those documents will be evaluated by College of the Siskiyous Counseling Department and Nursing Program Director or designee. Credit will be given based on recency of education and experience within the last five years, equivalency to courses offered within the Nursing Program, and through competency exams administered by the Nursing Program. Specific competency exams and skills testing will be developed by Nursing Faculty, based on the evaluation of credits.

To receive credit, the applicant will be required to perform at a minimum of a C level (75%) in both theory and clinical skills/simulation testing, using the final (end of course) assessment criteria for any courses challenged.

Per college policy, the applicant may be required to pay registration costs for any course challenged.

### **Military Personnel and Veterans:**

Military Personnel and Veterans may be eligible for credit for military training and experience based on the above requirements. Honorable discharge (DD214) or current active honorable service is required (letter from supervisor). For military personnel and veterans, admission to the program is on a space available basis as any applicant. An associate degree may require additional coursework per college policy. As with all applicants with transcripts from outside College of the Siskiyous, military records and transcripts must be reviewed by a College of the Siskiyous academic counselor.

### **Vocational Nursing Program**

Any applicant granted credit for previous education and/or experience shall be expected to enroll in the final semester of the vocational nursing program regardless of the number of clinical hours previously completed in another program.

For all applicants requesting advanced placement, all Vocational Nursing program prerequisites must be completed prior to the start of the program.

### **LVN to RN Step-up Program**

Any applicant granted credit for previous education and/or experience shall be expected to enroll in the final semester of the associate degree nursing program regardless of the number of clinical hours previously completed in another program.

Military Personnel and Veterans, including but not limited to Basic Medical Technician (Navy Hospital Corpsman) or USAF Basic Medical Service Technician or Army Medical Specialist with an active California LVN license (Licensed Vocational Nurse) either through challenge (BVNPT Method 4) or successful completion of an LVN program, will be considered eligible for admission into the LVN to RN Step-up Program. Per program policy, the College of the Siskiyous LVN to RN Transition Course (NURS 1021) is required to be completed with a passing grade (C) in order to advance to the rest of the program courses.

For all applicants, all ADN prerequisites must be completed prior to the LVN to RN transition course.

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:**

- GPA of 2.5
- A minimum grade of "C" in BIO 2700 (Human Anatomy)
- A minimum grade of "C" in FCS 1011 (Nutrition)
- A minimum grade of "C" in NURS 1045 (Medical Terminology)
- A minimum grade of "C" in ENGL 1001 or qualification by Assessment
- A minimum grade of "C" in Math 0850 or qualification by Assessment

**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 Requirement**

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 0900 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:** a minimum grade of "C" in BIO 2700, FCS 1011 and NURS 1045 or a minimum grade of "C" in ENGL 1001, MATH 0850 and MATH 0852 or Qualification by Assessment.

**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 LVN-RN Step-Up (ADN), 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, 56-63 lecture hours / 96-108 lab hours****Graded****Prerequisite:** NURS 1021**Corequisite:** NURS 1032

This course builds upon student's previous knowledge and skills in Mental Health Nursing within the context of the health illness continuum, across the life span, and with emphasis on care of the older adult. The professional role of the RN will be addressed within various hospital and community based settings. Through the use of therapeutic interactions, effective communication, assurance of quality and safety, and demonstration of sensitivity to diversity, students will utilize critical thinking to plan and provide care. Clinical experiences will offer opportunities for students to participate in therapeutic activities in a variety of community and mental health service settings. Principles of leadership are reviewed and expanded in the RN role. Simulation activities support clinical and theoretical content. (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 nursing knowledge and skills in providing safe, comprehensive care to patients who have complex medical conditions. 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 and families. Accurate, thorough written electronic documentation and verbal communication of clinical information is required. The roles, responsibilities, functions, and skills of the RN in the acute care setting are explored and developed. Simulation activities support clinical and theoretical knowledge and competencies. (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****LVN-RN STEP-UP 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, 40-45 lecture hours / 96-108 lab hours****Graded****Prerequisite:** NURS 1021, NURS 1031, and NURS 1032**Corequisite:** NURS 1542

This course focuses on advanced concepts in maternal child nursing care. Content emphasized includes family communications, teaching, nursing process, critical thinking, legal-ethical issues, safety, and patient advocacy. Emphasis will be on nursing interventions to prevent or decrease risk factors associated with the child bearing and child rearing families. Simulation activities support clinical and theoretical content. (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, .5-8units/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 / 106.7-120.1 lab hours****Graded****Prerequisite:** ENGL 0850 or qualification through assessment. Students must follow application process and meet all admission criteria.

This course offers the theory and 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 TRAINING****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

## Degree/Certificate Option

### Associate in Arts Degree

#### Philosophy

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.

#### 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)

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

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**

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

### 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 responsibilities to the environment. (AA,CSU,UC) (C-ID: PHIL 120)

**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**

### **Director**

Dennis Roberts

### **Faculty**

Tim Frisbie

Edward Kephart

Tom Powers

Charlie Roche

### **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.

### **Degree/Certificate Options: *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.

Students will leave our program

- Certified in first aid, CPR, and AED use through the American RedCross.
- They will have completed a rotation in an upper body intensive, lower body intensive and an equipment intensive sport.
- And will be eligible to sit for the National Council of Strength and Fitness, (NCSF) Personal Trainer examination.

**Students will be required to take a TB test prior to working in the athletic training room. The HEP B vaccination is also recommended.**

### **Requirements for the Major**

BIO 2700 – Human Anatomy (4)

BIO 2800 – Human Physiology (5)

FCS 1011 – Nutrition (3)

HEA 1010 – Health in Action (3)

PEMA 1035 – Introduction to Athletic Training (3)

PEMA 1036 – Clinical Experiences in Athletic Training (1.5)

PEMA 1039 – Certified Personal Trainer (3)

**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 associated 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, 2005). 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.

### **Program Learning Outcomes**

Upon successful completion of this program, 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.

### **Career Options**

The following list is a sample of the many options available for the certified personal trainers: 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, hotels and condominiums, resorts and cruise lines

### **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.

## **PHYSICAL EDUCATION – KINESIOLOGY**

### **Director**

Dennis Roberts

### **Faculty**

Tim Frisbie

Edward Kephart

Tom Powers

Charlie Roche

### **General Description**

Kinesiology is an academic area of study concerned with the art and science of human movement. The Physical Education – Kinesiology program at College of the Siskiyous offers a balanced approach to wellness based upon the individual interests and needs of the student. In addition to the course work required for the major in Physical Education – Kinesiology, the college offers a wide variety of physical education and recreation activity courses, intercollegiate competition in many sports and adaptive physical education. The Physical Education – Kinesiology 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:

- 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

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 associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

## **Courses**

### **KINESIOLOGY**

#### **KINE 1000**

#### **INTRODUCTION TO KINESIOLOGY**

**3 units, 48-54 lecture hours**

**Graded**

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)(CI-D: KIN 100)

#### **KINE 1011**

#### **NUTRITION**

**3 units, 48-54 lecture hours**

**Graded**

This course is an introduction to nutrition as a health science that examines the function of macro and micro nutrients and their relation to health. The metabolic action, requirements, and food sources of the nutrients are also studied. Diets for pregnant mothers, children, teenagers, and older adults are covered as well as the nutritional needs throughout the lifespan. Nutritional deficiencies and excesses as well as the recommended nutrient intakes and the role of diet in the development of chronic disease as well as diets for chronic illness and conditions are examined. (AA, CSU, UC)

## 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. See course catalog. (AA, CSU, UC)

### 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. See course catalog. (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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

### PEAC 1104

#### INTERMEDIATE BASKETBALL

1 unit, 48-54 lab hours

Graded

Prerequisite: PEAC 1004

This course is in intermediate basketball skills. Simulated offensive and defensive situations will be incorporated into shooting, free throw, rebounding, offensive and defensive techniques. These will be developed through competitive group situations. UC transfer credit limitations. See course catalog. (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. See course catalog. (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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEAC 1204**  
**ADVANCED 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. See course catalog. (AA, CSU, UC)

## **PHYSICAL EDUCATION/FITNESS**

**PEFI 0519**  
**LIFELONG FITNESS**  
**0 units, 8-180 lab hours**  
**Ungraded**

This physical fitness exercise course is designed to develop and encourage positive attitudes and habits with regard to cardiovascular efficiency, body composition, muscular strength and endurance, and flexibility. Students will explore and participate in exercises designed to increase movement and physical strength using the basic mechanics of endurance and flexibility. (NDA)

**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. See course catalog. (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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEFI 1011****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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEFI 1044****BEGINNING WALKING FOR FITNESS****1 unit, 48-54 lab hours****Graded**

This course is designed to help students acquire a 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. See course catalog. (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: Muscular 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. See course catalog. (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. See course catalog. (CSU, UC, AA)

**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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEFI 1108****INTERMEDIATE CARDIOVASCULAR 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. See course catalog. (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. See course catalog. (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. See course catalog. (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 life-long 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. See course catalog. (AA, CSU, UC)

**PHYSICAL EDUCATION MAJOR/ATHLETICS****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)

**PEMA 1008****MEN'S VARSITY FOOTBALL****3 units, 155.6-175 lab hours****Graded**

The theory and practice of football is covered including position skills, philosophies, offensive and defensive strategy and offensive and defensive position techniques. This course includes intercollegiate competition. This course may be taken for credit a total of four times. (AA, CSU, UC)

**PEMA 1010****VARSITY TRACK (COED)****3 units, -180 lab hours****Graded**

Techniques of track and field are covered including intercollegiate competition. May be taken for credit a total of three times. (AA, CSU, UC)

**PEMA 1011****VARSITY CROSS COUNTRY (COED)****3 units, 160-180 other hours****Graded**

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)

**PEMA 1012****WOMEN'S VARSITY CROSS COUNTRY****3 units, 160-180 lab hours****Graded**

This course is the theory and practice of women's cross country running and includes trail running, conditioning, strength training, psychological peak performance, nutrition, race tactics, running physiology and injury prevention. Participation in intercollegiate competition is included.

Intercollegiate competition in the sport of cross country. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. Can be taken 3 times for credit. (AA,CSU)

**PEMA 1013****MEN'S VARSITY CROSS COUNTRY****3 units, 160-180 lab hours****Graded**

Trail running, conditioning, strength training, psychological peak performance, nutrition, race tactics, running physiology and injury prevention are included. Participation in intercollegiate competition is included. Intercollegiate competition in the sport of cross country. Students must meet California Community College eligibility requirements as established by the California Community College Athletic Association. Can be taken 3 times for credit. (AA,CSU)

**PEMA 1014****WOMEN'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 1015****WOMEN'S VARSITY VOLLEYBALL****3 units, 160-180 other hours****Graded**

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)

**PEMA 1016****WOMEN'S VARSITY SOFTBALL****3 units, 160-180 lab hours****Graded**

Covers the theory and practice of softball and includes intercollegiate competition. May be taken for credit a total of three times. (AA,CSU,UC)

**PEMA 1017****WOMEN'S VARSITY SOCCER****3 units, 160-180 lab hours****Graded**

The theory and practice of soccer is covered including position skills, philosophies, offensive and defensive strategy and offensive and defensive position techniques. This course includes intercollegiate competition. This course may be taken for credit a total of three times. (AA, CSU, UC)

**PEMA 1018****MEN'S VARSITY SOCCER****3 units, 160-180 lab hours****Graded**

The theory and practice of soccer is covered including position skills, philosophies, offensive and defensive strategy and offensive and defensive position techniques. This course includes intercollegiate competition. This course may be taken for credit a total of three times. (AA, CSU, UC)

**PEMA 1030****PRINCIPLES OF PHYSICAL FITNESS AND WELLNESS****3 units, 48-54 lecture hours****Graded**

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)

**PEMA 1031****SPORTS OFFICIATING****3 units, 48-54 lecture hours****Graded**

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)

**PEMA 1034****INTRODUCTION TO KINESIOLOGY****3 units, 48-54 lecture hours****Graded**

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)

**PEMA 1035****INTRODUCTION TO ATHLETIC TRAINING****3 units, 48-54 lecture hours****Graded****Advisory:** PEMA 1036

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)

**PEMA 1036****CLINICAL EXPERIENCE IN ATHLETIC TRAINING I****1.5 units, 12-13.5 lecture hours / 48-54 lab hours****Graded**

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)

**PEMA 1038****ATHLETIC EMERGENCIES, SAFETY, AND PREVENTION****1.5 units, 16-18 lecture hours / 24-27 lab hours****Graded**

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 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. See course catalog. (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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEMA 1112****OFF-SEASON WOMEN'S VARSITY CROSS COUNTRY****0.5-3 units, 24-175 lab hours****Graded**

Trail running, conditioning, strength training, psychological peak performance, nutrition, race tactics, running physiology and injury prevention are included. (AA, CSU).

**PEMA 1113****OFF-SEASON MEN'S VARSITY CROSS COUNTRY****0.5-3 units, 24-175 lab hours****Graded**

Trail running, conditioning, strength training, psychological peak performance, nutrition, race tactics, running physiology and injury prevention are included. (AA, CSU)

**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. See course catalog. (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. See course catalog. (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. See course catalog. (AA, CSU, UC)

**PEMA 1117****OFF-SEASON WOMEN'S VARSITY SOCCER****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. Can be taken 3 times for credit. (AA, CSU)

**PEMA 1118****OFF SEASON MEN'S VARSITY SOCCER****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)

**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. See course catalog. (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. See course catalog. (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. See course catalog. (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

**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.**

# PHYSICS

## 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:

- Graduates will demonstrate an ability to apply to the real world the principles of physics.
- Graduates will 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.
- Graduates will 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 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 research; 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 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 bachelors' 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 (AS)

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 associated 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 (AS-T)**

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, CSU, UC)

#### **PHYS 1020**

##### **WEIRD SCIENCE: SCIENCE, SKEPTICISM, AND CRITICAL THINKING**

**3 units, 48-54 lecture hours**

**Graded**

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 focus on scientific versus pseudo-scientific explanations, and how to tell the difference. Course covers the use of language, thought, and logic in distinguishing science fact from science fiction. Inductive and deductive methods, judgment, opinion, belief, and knowledge. A critical examination of contemporary pseudoscientific issues (creation "science", astrology, UFO's etc). (AA, CSU)

#### **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

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. (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)

**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)

**POLITICAL SCIENCE****Faculty**

Katie Gale

**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)

## **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)

## **PSYCHOLOGY**

### **Faculty**

Dr. Andrea Craddock

### **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.

**Degree/Certificate Options *Associate in Arts Degree (AA), Associate in Arts Degree for Transfer (AA-T):*** Psychology

### **Associate in Arts Degree**

#### ***Psychology***

An Associate in Arts in Psychology 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.

**Important:** To obtain the Associate in Arts Degree in Psychology, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Psychology major requirements below
- The College of the Siskiyous General Education Pattern (COSGE) requirements
- Any needed electives to reach a total of 60 COS degree-applicable units
- All major courses and any courses on the COSGE check sheet must be completed with a C or better

### **Requirements for the Major**

#### ***Complete the following:***

PSY 1001 – General Psychology (3)

MATH 1050 – Elementary Statistics (4)

ENGL 1001 – College Composition (3)

#### ***Complete one of the following:***

BIO 1500 – Human Biology (3)

BIO 2700 – Human Anatomy (4)

#### ***Complete two of the following:***

PSY 1502 – Abnormal Psychology (3)

PSY 1003 – Social Psychology (3)

PSY 1004 – Psychology of Prejudice (3)

**Total Major Units: 19-20**

**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 associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

### **Associate in Arts Degree in Psychology for Transfer**

An Associates of Arts in Psychology for Transfer is for seamless transfer to a CSU. This option is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus.

**Important:** To obtain the Associate in Arts Degree in Psychology for Transfer, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Psychology major requirements below
- The California State University General Education Breadth (CSUGE) **or** the Intersegmental General Education Transfer Curriculum (IGETC) requirements **\*\*Please note: Area 6 – Languages Other Than English on the IGETC is *NOT* required for the AA-T.**
- Any needed transferable electives to reach a total of 60 CSU transferable units
- All major courses and any courses noted on the CSUGE or IGETC check sheets must be completed with a C or better

#### **Associate Degrees for Transfer Requirements:**

##### **Core:**

##### **Complete the following:**

MATH 1050 – Elementary Statistics (4)

PSY 1001 – General Psychology (3)

PSY 2001 – Introduction to Research Methods in Psychology (3)

##### **List A:**

##### **Complete one of the following:**

BIO 1000 – Introduction to Life Sciences (4)

PSY 1601 – Biological Psychology (3)

##### **List B:**

##### **Complete one of the following:**

ECE 1999 – Human Development (3)

PSY 1003 – Social Psychology (3)

##### **List C:**

##### **Complete one of the following:**

Any List B course not previously taken

PSY 1004 – Psychology of Prejudice (3)

PSY 1502 – Abnormal Psychology (3)

**Total Major Units: 19-20**

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

Double counting courses in GE and the major is permissible (14 units from the major requirements can be double counted in CSUGE).

### **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 1070****UNDERSTANDING THE AGING BRAIN OF OLDER ADULTS****2 units, 32-36 lecture hours****Graded**

Teaching older adults is a unique challenge. This course explores the psychological basis for learning to teach older adults. The focus will be on issues and disorders related to aging, including demographic trends, basic theories, concepts and philosophic ideas, social policies, planning issues, and services available to meet the educational and health needs of older adults. The course will include critical evaluation of psychological and psychosocial issues related to aging, with consideration of research methodology utilized with this population of interest. (AA,CSU)

**PSY 1502****ABNORMAL PSYCHOLOGY****3 units, 48-54 lecture hours****Graded****Prerequisite:** PSY 1001

Introduction to the study of psychopathology and atypical behavior. Focuses on psychological, biological, and sociocultural theoretical models of abnormal behavior as they relate to diagnosis, etiology, and treatment of mental disorders. Additional topics include prevention, intervention, ethical and legal considerations, and evaluation of neuroscientific and genetic research concerning psychological dysfunction. (AA, CSU, UC)

**PSY 1601****BIOLOGICAL PSYCHOLOGY****3 units, 48-54 lecture hours****Graded****Prerequisite:** PSY 1001**Advisory:** ENGL 0900

This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. (AA, CSU, UC)

**PSY 2001****INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY****3 units, 3- 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 sub disciplines of psychology. (AA, CSU) (C-ID: PSY 200)

**SOCIAL SCIENCE****Faculty**

Katie Gale

Chris Vancil

**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 classes:***

- SOC 1001 – Introduction to Sociology (3)
- SOC 1002 – Social Problems (3)

#### ***Complete three of the following classes:***

- ANTH 1010 – Introduction to Cultural Anthropology (3)
- ETHN 1001 – Ethnic Studies (3)
- ECON 1020 – Principles of Microeconomics (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 associated degree. Consult with an advisor or a counselor to plan the courses necessary to achieve your academic goal.

## **SOCIOLOGY**

### **Faculty**

**Dr. Andrea Craddock**

### **General Description**

Sociology is the academic study of social behavior, its origins, development, organization, and institutions. This includes studying human social behavior, its groups, its culture, and how social interaction influences collective behavior. This area of social science uses methods of practical investigation and critical analysis to develop a body of knowledge about social order, social disorder and social change.

### **Program Learning Outcomes**

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

- Demonstrate and understand social and behavioral sciences research methodology and effectively communicate research results and conclusions.
- Understand the principles, perspectives and methods of inquiry used by the social and behavioral sciences.
- Demonstrate proficiency in sociological concepts and terminology.
- Demonstrate an understanding of how societies and social subgroups operate.
- Critically explain how people act and have acted in response to their societies.



## 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.

**Note: Some career options may require more than two years of college level study.**

**Degree/Certificate Options Associate in Arts Degree** Sociology for Transfer (AA-T)

### Associate in Arts Degree in Sociology for Transfer

The Associate in Arts Degree in Sociology for Transfer will meet the needs of students transferring to a California State University who intend to study in a SOC-related major.

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

- The SOC 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

#### **CORE - Complete the following:**

SOC 1001 – Introduction to Sociology (3)

#### **CORE - Complete two of the following:**

MATH 1050 – Elementary Statistics (4)

PSY 2001 – Introduction to Research Methods in Psychology (3)

SOC 1002 – Social Problems (3)

POLS 1001 – American Government: National, State, and Local (3)

PSY 1001 – General Psychology (3)

PSY 1003 – Social Psychology (3)

PSY 1004 – Psychology of Prejudice (3)

**Total major units: 18-19**

#### **LIST A - Complete two of the following not already taken above:**

ETHN 1001 – Ethnic Studies (3)

MATH 1050 – Elementary Statistics (4)

PSY 1003 – Social Psychology (3)

PSY 2001 – Introduction to Research Methods in Psychology (3)

#### **LIST B - Complete one of the following not already taken for List A:**

ANTH 1010 – Introduction to Cultural Anthropology (3)

ECE 1999 – Human Development (3)

ETHN 1001 – Ethnic Studies (3)

HIST 1017 – US History to 1877 (3)

HIST 1018 – United States History since 1877 (3)

SOC 1002 – Social Problems (3)

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

### 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)

**THEATRE ARTS****Faculty**

Neil Carpentier-Alting

**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 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)

Musical Theatre

### ***Certificate of Achievement***

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 1150 – 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 associated 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 in Theatre Arts for Transfer degree 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 &amp; Performance (3)

THEA 1501 Technical Production Lab (3)

***Complete three of the following:***

THEA 1001 Rehearsal &amp; 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.

**Associate in Arts Degree in Musical Theatre**

This program is designed to give the student two years of training in drama and vocal music performance in preparation for professional or semi-professional employment. It is designed to satisfy the lower division major requirements for a bachelor's degree in musical theater. Please check with an advisor or 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 associated degree. 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 units, 12-54 lab hours**

**Ungraded**

This course is offered as a non-credit option for students and community members wishing to participate in Theatre Department Productions, in which they will serve as actors and/or technicians. Participation includes auditioning, rehearsing, developing character, and performing in COS theatre productions. (NDA)

### **THEA 1001**

#### **REHEARSAL AND PERFORMANCE**

**1-3 units, 10-30 lecture hours / 30-90 lab hours**

**Graded**

**Prerequisite:** Students must audition for acting roles

This course provides an experience in the preparation and performance of a theatrical production. Show selections vary from year to year and are chosen from a wide range of time periods, subject matter, and styles to better prepare students for further study in the performing arts. Students will be asked to audition for acting roles. (AA, CSU, UC)

### **THEA 1100**

#### **PRINCIPLES OF ACTING**

**3 units, 48-54 lecture hours**

**Graded**

**Advisory:** ENGL 0900

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)

### **THEA 1150**

#### **STAGE MAKEUP**

**3 units, 48-54 lecture hours**

**Graded**

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)

### **THEA 1200**

#### **INTERMEDIATE PRINCIPLES OF ACTING**

**3 units, 48-54 lecture hours**

**Graded**

**Prerequisites:** THEA 1100

This course provides the student an opportunity to develop and intensify acting skills through scene work performed in class. The student will be introduced to the process of analyzing a character as well as the acting styles of various historical periods. (AA,CSU,UC)

**THEA 1301****MUSICAL COMEDY WORKSHOP****1-3 units, 8-30 lecture hours / 30-90 lab hours****Graded**

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)

**THEA 1305****FUNDAMENTALS OF DANCE****1 unit, 48-54 lab hours****Pass/No Pass**

This course is designed to teach the fundamentals of Ballet, Tap, and Jazz dance. No previous dance experience is required. This class will prepare the student for choreographed movements required in a musical. (AA,CSU, UC)

**THEA 1310****MUSICAL CHOREOGRAPHY****1 unit, 48-54 lab hours****Pass/No Pass**

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)

**THEA 1501****TECHNICAL PRODUCTION LAB****1-3 units, 48-162 lab hours****Graded****Prerequisite:** Instructor Permission**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)

**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)

**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)

**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)

## 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

### Faculty

Mark Beaulieu

### 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 GMW, GTAW, SMAW, Inner Shield, 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 Achievements, 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: Career and Technical**  
Welding

### Certificates of Achievement

Welding-Fast Track Basic Level

Requirements 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 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:

CSCI 1001 – Introduction to Computer Science (3)

CSCI 1020 – Introduction to Computer 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 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 2102 – Advanced Welding Applications (2)

### **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 Tungsten 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)

**WELD 2102****ADVANCED WELDING APPLICATIONS****2 units, 16-18 lecture hours / 48-54 lab hours****Graded****Prerequisite:** WELD 1102

This is an advanced welding course designed to provide students with the opportunity to apply their advanced welding skills to complex practical situations/applications they will experience as journeymen craft welders including layout and fabrication. This is the required capstone course for the AA degree in welding. Students are required to furnish their own safety glasses and gloves. (AA, CSU)

**WELD 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, 0.5-8units/semester. This course may be taken for credit a total of four times. (AA, CSU)

## **WORK EXPERIENCE**

### **Courses**

**WEE 2010****GENERAL WORK EXPERIENCE****0.5-6 units, 30-450 lab hours****Graded****Prerequisite:** Program Coordinator approval required

General Work Experience is supervised employment which is intended to assist students in acquiring desirable work habits, attitudes, and career awareness. The work experience need not be related to the student's educational goals. 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, .5-6 units/semester. This course may be taken for credit a total of four times. (AA,CSU)

## NON-CREDIT PROGRAM

Non-credit courses are much like credit courses in curricular design, however, are tuition free, open-entry/open exit (may enroll throughout the term), repeatable, no letter grade, and have no affect on the 30 unit load or financial aid. Non-credit courses are offered in a variety of educational options, basic skill development, preparation for credit courses and Career and Technical education courses.

Non-credit offers extended learning opportunities to find an area of interest or discover and explore areas of study for career and educational pathways. Non-credit often serves as an onramp to credit courses in a relaxed, stress-free learning environment that focuses on skill building and attainment. College of the Siskiyous offers a diverse range of non-credit course offerings and personalized learning opportunities tailored to a student's unique needs.

Career Development and College Preparation (CDCP) certificates are also a part of the non-credit program. Career Development and College Preparation certificates prepare students for employment or to be successful in college level coursework. In accordance with Title 5, section 55151, colleges may offer a sequence or compliment of non-credit courses that culminate in one of the following:

- Certificate of Competency in a recognized career field articulated with degree applicable coursework, completion of associate degree, or transfer to a baccalaureate institution.
- Certificate of Completion leading to improved employability or job opportunities.

## ALCOHOL AND DRUG STUDIES

### Courses

#### ADS 0501

##### UNDERSTANDING DRUG/ALCOHOL ABUSE TREATMENTS

0 units, 48-54 lecture hours

Pass/No Pass

A course designed to create an understanding of drug and alcohol abuse from a sociological and physiological perspective. Students will learn about various aspects of recovery and the recovery process. Topics will include: treatments, detox processes, support groups, and post-recovery issues.

#### ADS 0502

##### CONFLICT AND ANGER MANAGEMENT

0 units, 32-36 lecture hours

Pass/No Pass

This course is designed to prepare students to effectively handle conflict and anger both within and outside of relationships, and the workplace. Students will learn how anger affects their bodies and minds, and their behaviors, and learn new methods to break patterns, and replace them with new models. Students will learn to control their emotions, and support tactics for communicating better with others, and identify ways to safely manage their emotions to foster better interpersonal and work relationships.

## BUSINESS ADMINISTRATION

### Courses

#### BA 0504

##### COMMUNICATION IN THE WORKPLACE

0 units, 32-36 lecture hours

Pass/No Pass

This course will assist students with skill building in their workplace communication. Communication in the workplace will consist of a study of the key elements of communication within business organizations. Topics covered in the course will include verbal and nonverbal communication, listening skills and specific workplace communication skills, including telephone and e-mail communication, and business letter writing.

**BA 0505  
STRATEGIC THINKING, DECISION MAKING AND PROBLEM SOLVING**

**0 units, 32-36 lecture hours**

**Pass/No Pass**

This course is designed to prepare students to strategically think and problem solve, and provides an introduction to decision-making and problem-solving techniques in the workplace. Specific strategies for making decisions and solving problems will be presented, as well as the use of creativity in identifying solutions.

**BA 0507  
MICROSOFT EXCEL FOR BUSINESS I**

**0 units, 32-36 lecture hours**

**Ungraded**

A comprehensive introduction to using spreadsheet software to solve business problems. Students learn enhanced worksheet design for business applications to greater enhance their workplace skills. Students learn to set up, format, save and print spreadsheets. Additional topics include logical and mathematical functions and creating graphs from spreadsheet data. This course is a component of the noncredit Occupation, Vocational and CTE certification programs.

**BA 0508  
WORD PROCESSING (MULTI LEVEL)**

**0 units, 48-54 lecture hours**

**Ungraded**

This course is a beginning Microsoft Word course focusing on the essential word processing skills required for those entering the workforce and in a business office. Students learn to prepare, format, maintain documents, create tables, merge documents, and create business letters. This course is a requirement for some Vocational and/or CTE certificate programs, and serves as a foundation for further study of word processing. (NDA)

**BA 0509  
INTRO TO WINDOWS FOR MS OFFICE APPLICATIONS**

**0 units, 32-36 lecture hours**

**Ungraded**

An introduction to computer concepts and techniques for beginning computer students. Students will learn to use the Windows operating system to organize and manage data, resources and the Office applications Word, Excel, PowerPoint, and Access. A unit on the Internet and Email is included. (NDA)

## **COMPUTER SCIENCE**

### **Courses**

**CSCI 0501  
BEGINNING COMPUTER SKILLS**

**0 units, 32-36 lecture hours**

**Ungraded**

A course designed to assist students and strengthen student computer skills needed in the 21st century workplace, by practicing and applying technological skills needed in the workplace. This course supports skills necessary in the workforce, to assist the student in obtaining and retaining a job. Coursework specific to a student's area of study will be evaluated.

## **DISABLED STUDENTS PROGRAMS AND SERVICES**

**DSPS 0501  
INTRODUCTION TO ACADEMIC SUCCESS**

**0 units, 32-36 lecture hours**

**Ungraded**

This course focuses on tools for DSPS students' success in the educational setting such as time management, social interaction and goal setting. In addition, students will learn about the College of Siskiyous resources available to them. (NDA)

## **DSPS 0502**

### **ACCESSIBLE ARTS AND CRAFTS**

**0 units, 32-36 lecture hours**

**Ungraded**

Arts and crafts adapted for all disabilities. Introduces basic art concepts and craft skills. Students create projects using materials and processes increasingly more challenging as the course progresses and their abilities develop. Adaptive equipment and techniques introduced as needed. May lead to exhibition of student art work. The Accessible Arts and Crafts course may also be taught in a day or residential care facility. (NDA)

## **DSPS 0503**

### **BASIC SOCIAL SKILLS: GETTING ALONG WITH OTHERS IN THE WORKPLACE**

**0 units, 16-18 lecture hours**

**Ungraded**

This is a fundamental course designed for adults with substantial developmental disabilities, with an interest in maintaining realistic and meaningful employment and social connections. Students need to learn the skills in order to create good working habits, workplace diversity, communicate needs, and interact appropriately with co-workers and supervisors. Recommended working knowledge of basic reading, writing, and math skills.

## **English as a Second Language**

### **Certificate**

#### **Program Description**

The English as a Second Language Certificate of Completion provides communicative English skills in speaking, listening, reading, and writing to speakers of other languages. This sequence of courses is designed to take students from survival level English skills to high intermediate English proficiency, to prepare students for a variety of vocational or career fields and/or for transition into credit-bearing college courses. As a Noncredit program, the ESL Certificate of Completion is designed to meet the needs of diverse second language learners at their own pace.

#### **Program Learning Outcomes**

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

- Recognize and utilize basic structures and forms of English language in speaking and writing.
- 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 communications skills.
- Demonstrate progress in pronunciation skills.

#### **Career Options**

English as a Second Language prepares students adequately for success in the workforce and/or for entry into credit-bearing Basic Skills courses, into degree applicable courses, into career and technical certificate programs, and into transfer programs.

#### **Requirements for the Certificate:**

***Complete the following:***

ENGL 0561 – ESL Level 1 (90 hours)

ENGL 0562 – ESL Level 2 (90 hours)

ENGL 0563 – ESL Level 3 (90 hours)

**Total Certificate Hours: 270**

### **Courses**

#### **ENGL 0561**

##### **ESL LEVEL 1**

**0 units, 80-90 lab hours**

**Non Credit Certificate Program**

This course covers basic English conversation and literacy skills for speakers of other languages, with practice in 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, 80-90 lab hours****Non Credit Certificate Program****Prerequisite:** ENGL 0561 or qualifying eligibility from the ESL assessment (Level A) or Qualification by Assessment.

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****Non Credit Certificate Program****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)

**ENGLISH****Courses****ENGL 0599****LIFE STORY WRITING****0 units, 32-36 lecture hours****Ungraded**

This course is designed to help older adults find, capture, and write the stories of their lives. Course will include activities to help writers get started, to activate vivid memories and engage cognitive processes to sharpen writing skills which help to maintain mental health and reduce cognitive decline. Steps in rewriting, and ways to get manuscripts into print will be included. (NDA)

**FAMILY AND CONSUMER SCIENCE****Courses****FCS 0610****INDEPENDENT LIVING****0 units, 54-72 lab hours****Ungraded**

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)

**HEALTH****Courses****HEA 0519****0 units, 48-54 lecture hours****Pass/No Pass**

An informed use of health-related information and an overview of positive attitudes and responsible behaviors for making decisions to promote lifelong health.

**HEA 0520****EATING FOR A HEALTHY LIFE****0 units, 32-36 lecture hours****Pass/No Pass**

A course in personal nutrition. Students will learn how to choose nutritious foods, create nutritious rich meals, and eat according to a healthy lifestyle.

**HEA 0521****STRESS MANAGEMENT****0 units, 32-36 lecture hours****Ungraded**

A study of the key elements of stress management. Topics will include the recognition of stress, causes of stress, benefits of stress management, and the psychological components of stress. Various stress management techniques will be covered.

**HEA 0522****WORKING WITH SENIORS****0 units, 32-36 lecture hours****Pass/No Pass**

A noncredit course providing instruction in the knowledge, skills, and appropriate standards of conduct required for working with seniors. This is vocational training for anyone who works on a regular basis with older adults including service providers, business owners, or community members. Topics include the social and physical changes that accompany aging, the use of common assistive devices, and common myths related to aging.

**HEA 0525****HEALTH EDUCATION****0 units, 32-36 lecture hours****Pass/No Pass**

Practical information, effective strategies, and skills that teach the student how to practice good nutrition, manage personal health, and maintain an active, healthy lifestyle in the later years. This short-term course will focus on consumer skills related to food purchasing, label reading, and stretching the food dollar, meal planning, food safety, and health literacy.

## **HOSPITALITY**

### **Courses**

**HOSP 0501****CULINARY ARTS AND HOSPITALITY STUDIES****0 units, 48-54 lecture hours****Pass/No Pass**

This course serves as an introduction to kitchen basics, such as equipment use, safety, and sanitation. In addition, this course focuses on culinary fundamentals such as knife skills, classic cooking methods and preparation, vocabulary and basic kitchen math. This is the first course in a sequence of two courses leading to a certificate in Food Hospitality Technology, and provides the student with the basic skills required for entry-level work in professional kitchens.(NCRD)

## **MATHEMATICS**

### **Courses**

**MATH 0500****MATHEMATICAL FOUNDATION FOR COLLEGE****0 units, 32-36 lecture hours / 64-72 lab hours****Ungraded**

This course is a bridge to college program that focuses on the development of quantitative thinking skills within the context of the culture of the college classroom: reading and understanding the syllabus, completing assignments and meeting deadlines, taking quizzes and exams, and classroom communication skills; the assessment of skills without a calculator; exploration of the resources offered by the community college in mathematics; the development of basic mathematical literacy skills to enhance future success in mathematics. Course also covers addition, subtraction, long division and multiplication of whole numbers and decimal numbers without the use of a calculator. Conceptual understanding of fractions will be developed. (NDA)

**MATH 0501**  
**MATH SKILL REVIEW**  
**0 units, 32-36 lecture hours**  
**Ungraded**

This is a non-credit math course designed to prepare students for college level mathematics. It is the second level in the three course sequences: MATH 0500, MATH 0501, MATH 0502. Topics include the whole numbers, integers and introduction to solving equations, solving equations and problem solving, fractions and mixed numbers, decimals, ratio, proportion, and triangle applications, percent, geometry and measurement. (NDA)

**MATH 0502**  
**DEVELOPMENTAL MATHEMATICS CONCEPTS AND APPLICATIONS**  
**0 units, 32-36 lecture hours / 64-72 lab hours**  
**Ungraded**

This is a non-credit math course designed to prepare students for college level mathematics. It is the third and highest level in the three course sequence: MATH 0500, MATH 0501, MATH 0502. Topics include properties of and operations on real numbers, linear equations, linear systems, exponents, polynomials, factoring, rational expressions, radicals, quadratic equations, and parabolas. (NDA)

## **OLDER ADULTS**

### **Courses**

**OLAD 0501**  
**INTRODUCTION TO TEACHING YOUNG CHILDREN**  
**0 units, 32-36 lecture hours**  
**Pass/No Pass**

Introduction to teaching for older adults in a professional early-childhood setting or program serving children under the age of six. Emphasis in best teaching practices for young children, writing lesson plan and creating developmentally and culturally appropriate curriculum.

**OLAD 0502**  
**MIND-BODY HEALTH**  
**0 units, 32-36 lecture hours**  
**Pass/No Pass**

This course is designed for the older adult. Through lecture, discussion, practice, techniques and physical activity, older adults will learn about the mind body connection. Through the active pursuit of physical and psychological health practices, activities and exercises, the older adult will learn key aging concepts and stress reduction concepts.

**OLAD 0503**  
**BRAIN FITNESS**  
**0 units, 16-18 lecture hours**  
**Ungraded**

This course is for the older adult to assist them to learn, discover and practice memory and mental fitness techniques. The older adult will learn how memory works and what factors affect how well our brain functions. The older adult student will devise their own strategies to maintain or improve their brain health and their ability to retain and retrieve information.

**OLAD 0504**  
**PRINCIPLES OF BALANCE**  
**0 units, 32-36 lecture hours**  
**Ungraded**

The risk of injury and death due to fall increases as one ages. In this beginning class, students will learn ways to improve balance and reduce risk of falling as they age, through lecture, discussion, demonstration, and practice based on principles such as yoga, Tai Chi, strength and core conditioning.

**OLAD 0505****BODY DYNAMICS AND THE AGING PROCESS II****0 units, 32-36 lecture hours****Ungraded**

This course offers the older adult student the opportunity through lecture, demonstration and practice to learn strategies for implementing a physical activity program, techniques for stress reduction, and key healthy aging concepts such as nutrition and disease prevention to maintain and improve overall health and well being while aging. Student will engage in activities such as strength (weight bearing), flexibility, balance and cardiovascular that will contribute positively to overall health. (NDA)

**OLAD 0506****MUSIC APPRECIATION FOR OLDER ADULTS****0 units, 32-36 lecture hours****Ungraded**

This course targets older adults in the study of and familiarization with music of Western Civilization. Students are introduced to many genres of Western classical music, including not only larger genres such as symphonies, concertos, operas, oratorios and ballets, but also chamber music, piano music, guitar music, song and choral music. Research has shown that many parts of both the left and right brain are engaged during the participation of listening to or playing music. Results have shown that this engagement leads to the promotion of overall health, a happier outlook on life, along with reduced tension and anxiety. (NDA)

**OLAD 0508****ART FOR OLDER ADULTS****0 units, 32-36 lecture hours****Ungraded**

This course is designed to introduce older adult to art. Students will learn to use materials, work within principles and elements of art, and complete a project. Through the use of acrylic, oil, watercolor and graphite, beginning and advanced students will study and develop art techniques through drawing and painting exercises. Individual and group instruction includes composition, color mixing, and the proper use of brushes and mediums such as paper, and canvas. Students supply their own materials. (NDA)

**OLAD 0509****THEATER APPRECIATION FOR OLDER ADULTS****0 units, 32-36 lecture hours****Ungraded**

The older adult students will read plays, write material, attend performances, and develop critical skills in review discussions. The history of theater, elements of dramatic literature, and production techniques are covered. (NDA)

**OLAD 0510****INTRODUCTION TO THE INTERNET****0 units, 32-36 lecture hours****Pass/No Pass**

This course serves the older adult student. In a course that offers a survey of the concepts and techniques of the internet presented in an unhurried, non-competitive environment. Older adult students learn how to access the web, use e-mail, surf the web using browsers, participate in social media, conduct research using search engines, and create a web page or blog.

**OLAD 0511****INTRODUCTION TO COMPUTERS****0 units, 48-54 lecture hours****Ungraded**

An introduction for older adults to the basic concepts and techniques of personal computers presented in an unhurried, noncompetitive environment with guided practice and skill building exercises. Topics include computer concepts of basic software and hardware, operating systems, word processing, email and the Internet. (NDA)

**OLAD 0512****LANGUAGE ARTS****0 units, 32-36 lecture hours****Ungraded**

Basic skills preparation in the language arts for the older adult learner in preparation for advancement to the adult high school diploma (AHSD) or General Educational Development (GED) programs. Older adult students will - upon completion and demonstration of competence in the course - develop job-specific skills for the workplace by improving writing techniques, creating a career portfolio, preparing for future educational and workforce opportunities. (NDA)



**OLAD 0513****DISCUSSION GROUPS FOR OLDER ADULTS****0 units, 16-18 lecture hours****Ungraded**

This course is designed for the older adult and older adults residing in a residential care facility to stimulate mental agility through the use of films, the study of current events and discussion of topics in social sciences, art and music. This course helps older adults to make significant improvements in cognitive symptom managements, psychological and social well being. (NDA)

**OLAD 0514****ACTING I****0 units, 32-36 lecture hours****Ungraded**

This course prepares an older adult student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text. (NDA)

**OLAD 0515****ACTING II****0 units, 32-36 lecture hours****Ungraded**

This course is for the older adult learner. This course follows Acting I and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis. (NDA)

**OLAD 0516****PLAY WRITING****0 units, 32-36 lecture hours****Ungraded**

The course is for the older adult learner who desires to engage in a creative artistic endeavor. This course offers a basic view of dramatic structure in play writing designed to develop writing skills through study of professional models, writing scenes and plays, and workshop reading of material in progress. (NDA)

**OLAD 0517****ART AND PHOTOGRAPHY USING DIGITAL MEDIA****0 units, 48-54 lecture hours****Ungraded**

This course is designed for the older adult. Demonstrations and hands-on projects in the course provide an introduction to the concepts and techniques of using the computer to create digital art and photographs utilizing digital cameras, scanners, and other media. The course provides strategies for enhancing and manipulating images with photo editing programs, promoting creativity. Studies prove that art is a creative problem-solving tool, which provides the important function of keeping the brains of older adults active and engaged. (NDA)

**OLAD 0518****TELEVISION AND SCRIPT WRITING****0 units, 48-54 lecture hours****Ungraded**

Script Analysis and construction. Marketing of dramatic material for television and film productions. Methods, devices and forms of script writing. (NDA)

**OLAD 0519****BEGINNING SINGLE CAMERA PRODUCTION****0 units, 48-54 lecture hours****Ungraded**

Introduction to the theory, terminology, and techniques of single camera video production including producing and directing, content development, aesthetics, camera operation, portable lighting, video recorder operation, sound recording and basic editing techniques. (NDA)

## **OLAD 0531**

### **BODY DYNAMICS AND THE AGING PROCESS I**

**0 units, 48-54 lecture hours**

**Ungraded**

This course uses lecture, demonstration and practice to teach the older adult student strategies for implementing a physical activity program, techniques from stress reduction, and key healthy aging concepts such as nutrition and disease.

## **PHYSICAL EDUCATION/FITNESS**

### **PEFI 0530**

#### **HATHA YOGA FOR OLDER ADULTS**

**0 units, 32-36 lecture hours**

**Pass/No Pass**

This physical fitness class is designed for the older adult and offers instruction in movement to maintain and increase range of motion, build muscle strength, maintain coordination, flexibility, memory, and balance.

## **PSYCHOLOGY**

### **Courses**

#### **PSY 0503**

##### **PSYCHOLOGY OF PERSONAL AND SOCIAL ADJUSTMENT**

**0 units, 32-36 lecture hours**

**Pass/No Pass**

This course is designed for the older adult. This course defines the dynamics of personality, beliefs systems, problems of adjustment to life stresses, affects of interpersonal relationships, ego defense mechanism, behaviors under emotional tension, and what motivates behavior.

#### **PSY 0504**

##### **CRIME, DELINQUENCY AND SOCIETY**

**0 units, 32-36 lecture hours**

**Pass/No Pass**

This course helps students learn about the analysis of crime theories, anti-social behavior, social control, and punishment. Students in the course will examine the sociological impact, functions, and roles of the criminal and juvenile justice systems in the U.S. Emphasis on the sociological process, specifically addressing thoughts, attitudes, and beliefs typically held by offenders, addicts, criminals and people who perform antisocial behavior. The course will include individuals within a social context; the scientific study of how people think about, influence and relate to one another. Topics include: attitude development and change; conformity, persuasion, leadership; and interpersonal relations, prejudice, aggression, conflict resolution, liking and loving others and the impact of law enforcement. The course includes a focus on the interaction between the citizen, the community, society, and the components of making changes.

## **SOCIOLOGY**

### **Courses**

#### **SOC 0502**

##### **GERONTOLOGY**

**0 units, 36 lab hours**

**Ungraded**

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, grand parenting, living alone, grief, and loss. (NDA)

**SOC 0503****SENIOR PROSPECT AND PROBLEMS****0 units, 9-108 lab hours****Ungraded**

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)

**WORKPLACE READINESS****Courses****WORK 0502****WORKPLACE READINESS ENGLISH****0 units, 32-36 lecture hours****Pass/No Pass**

Students will, through the development of written communication skills, strengthen business vocabulary, learn proper sentence structure and correct spelling, proper use of pronouns, and gain knowledge of online office reference materials. These skills place an emphasis on job-specific skills in the workforce.

**WORK 0503****MATHEMATICS WITHIN INDUSTRY****0 units, 48-54 lecture hours****Pass/No Pass**

This course prepares students for mathematical concepts encountered in various trades. These concepts include, but are not limited to, money skills, measurements, temperatures, computing taxes, decimals, percentages, estimating dollar amounts and volume of materials needed, area and calibration equations.

**WORK 0505****JOB PREPARATION****0 units, 32-36 lecture hours****Ungraded**

This course is for the student who is actively seeking employment in the workforce. Students improve the efficiency in their job search and learn methods for finding work in their field or job-specific area. They also learn to self-assess their strengths, write resumes, cover letters and thank you letters, build interviewing skills, and use the internet to do company and industry research and locate job openings. (NDA)

**WORK 0506****EXCELLENT CUSTOMER SERVICE****0 units, 32-36 lecture hours****Ungraded**

A course on the key skills and attitudes required for effectively delivering internal and external customer service in the workplace. Students will study how to understand and exceed customer expectations, how to better communicate with customers, and how to deal with unrealistic customer expectations. This course serves to enhance the student's skills within the workplace and is a requirement in Vocational, Occupational certificate and Hospitality certificate programs. (NDA)

**WORK 0507****VOCATIONAL FOUNDATION SKILLS-READING AND WRITING****0 units, 32-36 lecture hours****Ungraded**

This course is a workforce specific competency-based course designed to support student academic success in career, technical and vocational programs. Students learn and use job specific and workplace essential skills in reading and writing. (NDA)

**WORK 0508****GREEN AND SUSTAINABLE SMALL BUSINESS****0 units, 16-18 lecture hours****Ungraded**

This course serves as an exploration of the major types of green certifications and the process of achieving them, as well as the obstacles and opportunities small businesses face in implementing and maintaining sustainable practices that are economically, ecologically and socially sound. This course fulfills a requirement towards the Noncredit Small Business Certificate. (NDA)

**WORK 0510****CPR/AED COURSE****0 units, 16-18 lecture hours****Ungraded**

This is a course to help students recognize and respond appropriately to cardiac, breathing and first aid emergencies. This course teaches the skills that students need to know to give immediate care to a suddenly injured or ill person until more advanced medical personnel arrive and take over. (NDA)

**WORK 0511****BUILDING BUSINESS WEBSITE****0 units, 32-36 lecture hours****Ungraded**

An introductory hands-on project based website development course for the business office. Students will plan, format, develop, and publish a basic business website using Adobe Muse web and other web development software. Students will add text, images, media, widget, navigation elements, and links to a website.

**WORK 0512****SMALL BUSINESS MARKETING AND SALES****0 units, 32-36 lecture hours****Ungraded**

A practical, targeted study of how to develop and implement a successful marketing and sales strategy for small business. The course prepares students to create a small business marketing and sales strategy. (NDA)

**WORK 0515****WORKPLACE READINESS BASIC MATH****0 units, 32-36 lecture hours****Ungraded**

Designed for students who are entering or re-entering the workforce with an interest in maintaining meaningful employment. Emphasis on learning mathematical and computational skills and job specific training necessary for developing fundamental workplace work place skills that offer high employment potential. (NDA)

# Telephone Directory

*General Information: 530.938.5555 Toll Free: 1.888.397.4339*

## **FACULTY**

**Shawn Abbott**  
530.938.5275

**Jude Baldwin**  
530.938.5330

**Mark Beaulieu**  
530.938.5254

**David Blink**  
530.938.5321

**Kevin Broussard**  
530.938.5320

**Rhonda Brown**  
530.841.5978

**Elizabeth Carlyle**  
530.938.5267

**Neil Carpentier-Alting**  
530.938.5206

**Jesse Cecil**  
530.938.5316

**Wenli Chang**  
530.938.5966

**Dave Clarke**  
530.938.5250

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530.841.5991

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530.938.5258

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**Sean Kenny**  
530.938.5239

**Edward Kephart**  
530.938.5277

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**Michelle Knudsen**  
530.938.5852

**Michele Korkowski**  
530.938.5559

**Shirley Louie**  
530.938.5229

**Kim Parham**  
530.841.5987

**Tom Powers**  
530.938.5307

**Charlie Roche**  
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530.938.5315

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530.841.5290

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530.938.5530

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530.938.5322

**Jayne Turk**  
530.938.5328

**Chris Vancil**  
530.938.5564

**Alison Varty**  
530.938.5249

**Michael Wilson**  
530.938.5261

**Part-time Faculty can be contacted through their Area Dean/Director:**

**Dean of Instruction: 530.938.5375**

**Career and Technical Education: 530.938.5512**

**Assistant Dean of Instruction/Athletic Director: 530.938.5368**

## **Office Directory**

### **Academic Success Center**

530.938.5830

### **Administrative Services**

530.938.5220

### **Admission & Records**

530.938.5500

### **Associated Student Board Office**

530.938.5283

### **Athletic Department**

530.938.5368

### **Business Services**

530.938.5203

### **CalWORKs**

530.938.5309

### **Campus Gift & Book Shop**

530.938.5236

### **CARE – Cooperative Agencies Resources for Education**

530.938.5309

### **Career & Technical Education**

530.938.5512

### **Computer Lab**

530.938.5324

### **Counseling and Student Support Programs**

530.938.5353

### **Dean of Instruction**

530.938.5375

### **Disabled Students Programs and Services (DSPS)**

530.938.5297

### **Discovery Child Development Center**

530.938.5352

### **Distance Learning/Videoconferencing**

530.938.5520

### **Eagle Café**

530.938-5234

### **Eagle's Nest Thrift Store**

530.938.4663

### **Early Childhood Education**

530.938.5290

### **Extended Opportunity Programs & Services (EOPS)**

530.938.5309

### **Financial Aid**

530.938-5209

### **Foster Kinship Care Education**

530.841.5533

530.841.5290

### **Foster Youth Success Program**

530.938.5593

### **Foundation**

530.938.5373

### **Health, PE & Recreation**

530.938.5368

### **Human Resources**

530.938.5317

### **Information Technology Services**

530.938.5222

### **Institutional Advancement**

530.938.5373

### **Instruction**

530.938.5201

### **Library**

530.938.5331

### **Lodges (Residence Halls)**

530.938.5237

### **Maintenance**

530.938.5233

### **Math Lab**

530.938.5365

### **Nursing Department**

530.938.5929

### **President's Office**

530.938.5200

### **Public Relations & Foundation**

530.938.5373

### **Reading Lab**

530.938.5300

### **Research & Evaluation**

530.938.5521

### **Residence Halls (Lodges)**

530.938.5237

### **Rural Health Sciences Institute**

530.841.5918

### **Siskiyou Promise**

530.938.5376

### **Student Resource Center**

530.938.5376

### **Student Support Services (SSS)**

530.938.5561

### **Student Services Office**

530.938.5374

### **Transfer Center**

530.938.5353

### **Tutoring Services**

530.938.5514

### **Upward Bound**

530.938.5278

### **VP Administrative Services**

530.938.5220

### **VP Instruction**

530.938.5201

### **VP Student Services**

530.938.5374

### **Work Experience**

530.938.5339

### **Writing Lab**

530.938.5325

### **Yreka Campus**

530.841.5550

### **Yreka Student Services Office**

530.841.5550

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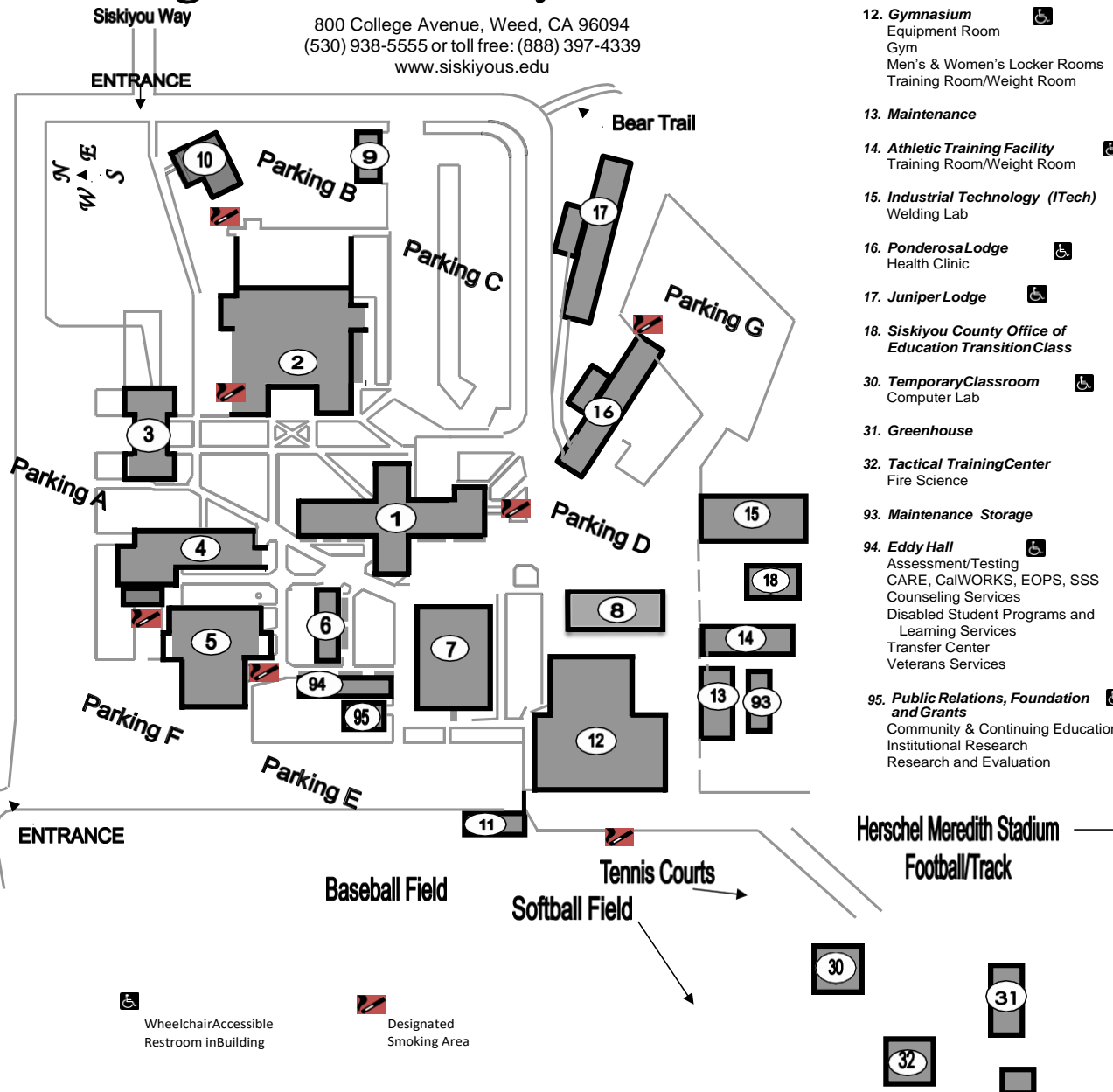
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# College of the Siskiyous

800 College Avenue, Weed, CA 96094  
 (530) 938-5555 or toll free: (888) 397-4339  
 www.siskiyous.edu

1. **John Mantle Student Center**
  - Administration
  - Administrative Services
  - Associated Students (ASB)
  - Board Meeting Room
  - Business Office
  - Cafeteria/Snack Bar
  - Cashier
  - Employment
  - Enrollment Services - Admissions and Records
  - Financial Aid
  - Human Resources
  - Student Learning
  - Student Life - Lost and Found
2. **Learning Resources Center (LRC)**
  - Academic Success Center
  - Art Gallery
  - Computer Lab
  - High Tech Center
  - Library
  - Math Lab
  - Reading Lab
  - Technology Services
  - Tutoring Services
  - Writing Lab
3. **Life Science Building (LS)**
4. **McCloud Hall (MCHall)**
  - Ceramics/Art Labs
  - Computer Graphics Lab
  - Photography Lab
5. **Theater Building**
  - Kenneth W. Ford Theater
  - Studio Theater
6. **Physical Science Building (Phy Sci)**
  - Campus Gift and Bookshop
  - Upward Bound
7. **Science Building**
8. **Emergency Services Training Center**
  - EMT/Paramedic
  - Environmental Resources
9. **Discovery Children's Center**
10. **Distance Learning Center**
  - Adjunct Faculty Office
  - Videoconferencing

11. **Gym Annex**
  - Athletic Department
12. **Gymnasium**
  - Equipment Room
  - Gym
  - Men's & Women's Locker Rooms
  - Training Room/Weight Room
13. **Maintenance**
14. **Athletic Training Facility**
  - Training Room/Weight Room
15. **Industrial Technology (ITech)**
  - Welding Lab
16. **Ponderosa Lodge**
  - Health Clinic
17. **Juniper Lodge**
18. **Siskiyou County Office of Education Transition Class**
30. **Temporary Classroom**
  - Computer Lab
31. **Greenhouse**
32. **Tactical Training Center**
  - Fire Science
93. **Maintenance Storage**
94. **Eddy Hall**
  - Assessment/Testing
  - CARE, CalWORKS, EOPS, SSS
  - Counseling Services
  - Disabled Student Programs and Learning Services
  - Transfer Center
  - Veterans Services
95. **Public Relations, Foundation and Grants**
  - Community & Continuing Education
  - Institutional Research
  - Research and Evaluation





# College of the Siskiyous

Yreka Campus, 2001 Campus Drive, Yreka CA 96097

Tel. (530) 841-5550

## Legend

**Welcome Center:**  
Administration/Bookstore

**Rooms 1-7 & TC 1-2:**  
Classrooms

**Room 8:**  
Computer Lab/Classroom

**Training Center:**  
MDF: Main Distr. Frame  
SR: Simul. Room

OFFC: ADJ Staff

**Rural Health Sciences:**  
Classrooms/Labs: 114-24  
Offices/storage: 101-112

**To Parking Lot  
and field North of  
Campus and  
Greenhorn Park**

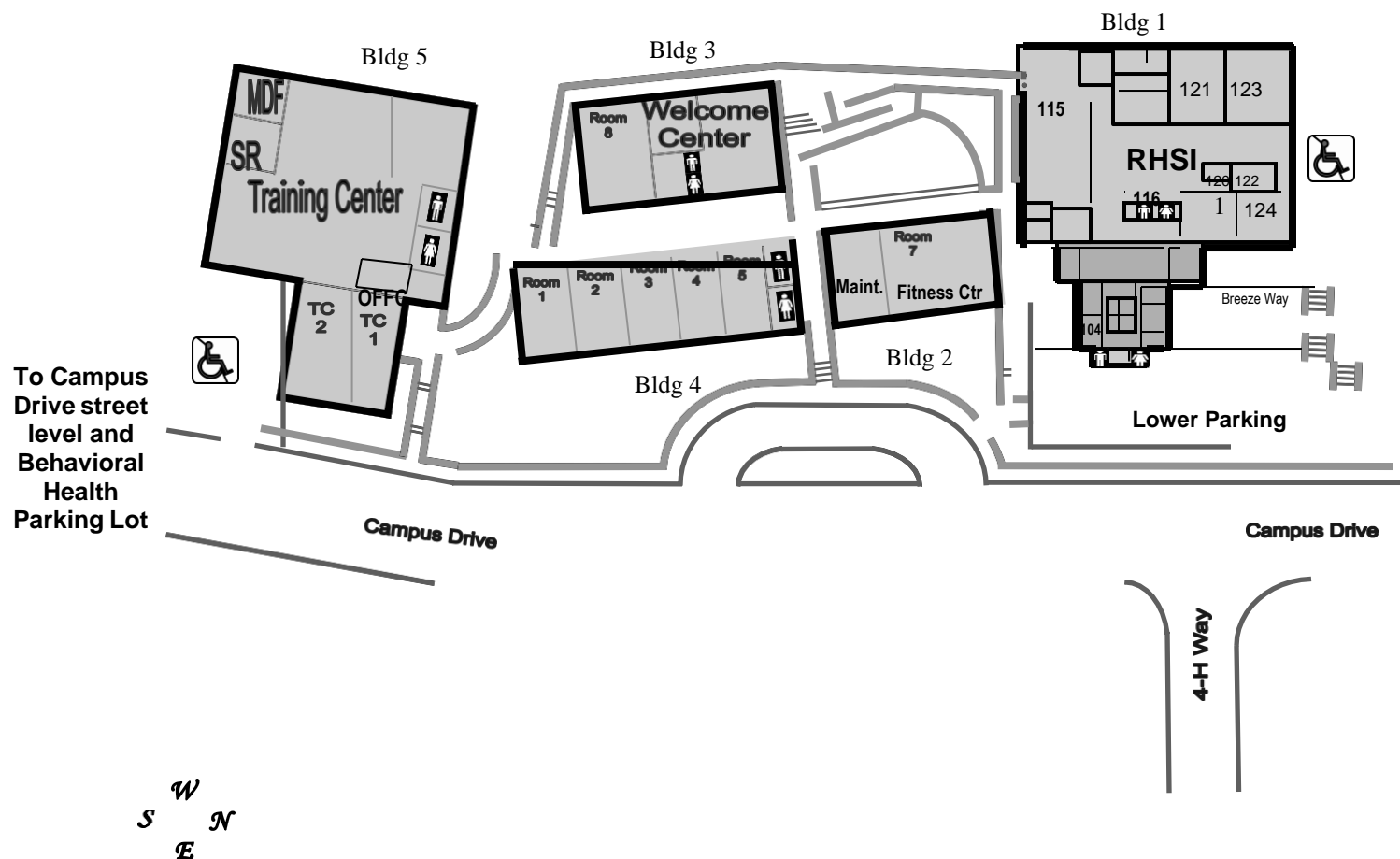
## Key

— Sidewalk

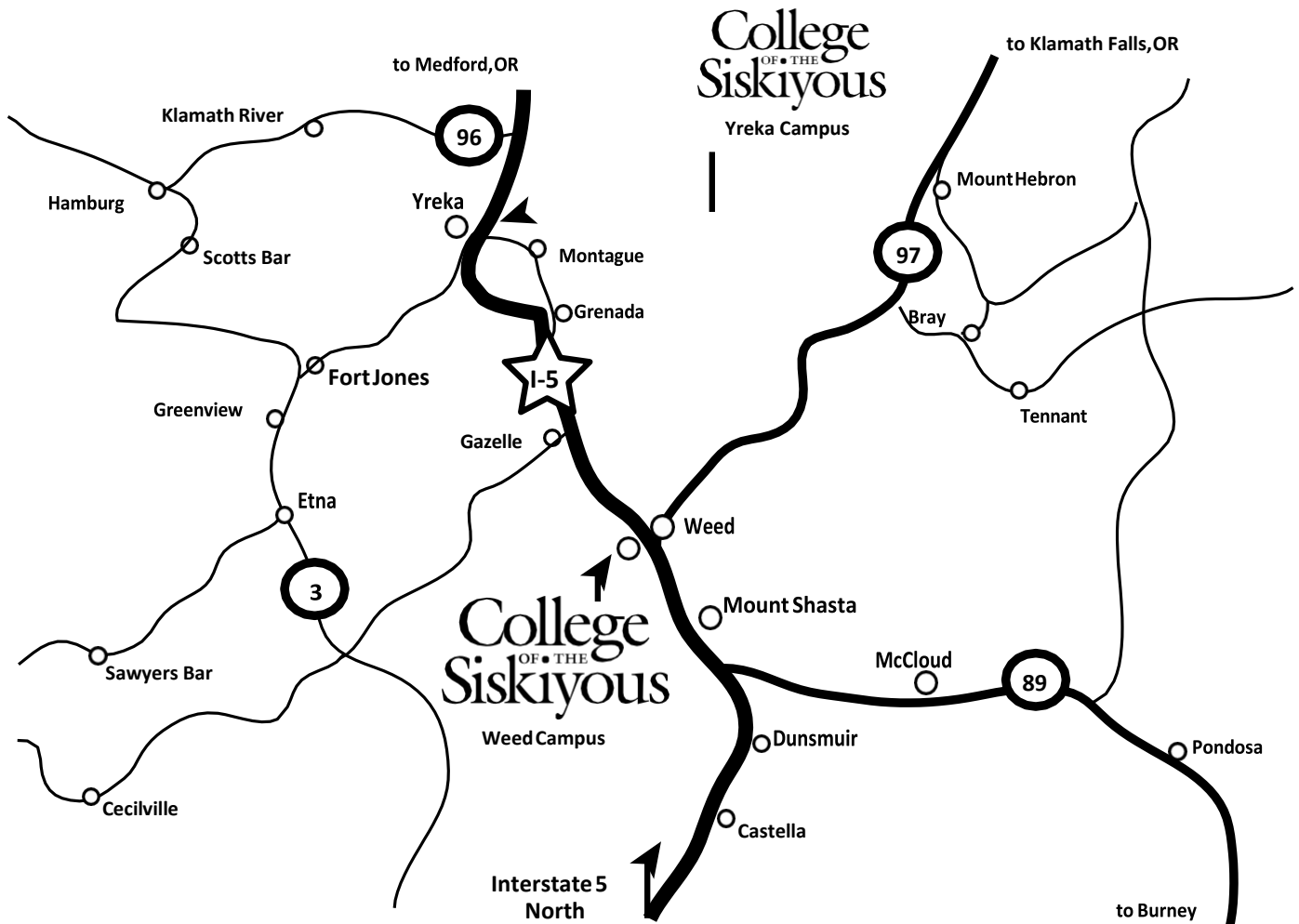
▬ Stairs

♂ ♀ Restrooms

♿ Disabled Parking



# Getting to the College of the Siskiyous



## Weed Campus:

From I-5 South:

- Take the central Weed off ramp
- Left Turn on to South Weed Blvd.
- Right turn on to College Ave.

From I-5 North:

- Take Central Weed off ramp
- Right turn on to South Weed Blvd.
- Right turn on to 800 College Ave.

## Yreka Campus:

From I-5 South:

- Take first Yreka off ramp
- Turn left on Moonlit Oaks Dr.
- Cross through traffic light
- Follow right to Campus Drive

From I-5 North:

- Take the third Yreka off ramp
- Turn right on Moonlit Oaks Drive
- Cross through traffic light
- Follow right to Campus Drive

## College of the Siskiyous

Toll Free 888.397.4339

**800 College Ave.  
Weed, CA 96094  
530.938.5555**

**2001 Campus Drive  
Yreka, CA 96097  
530.841.5550**