Butte College

A Public Community College
of the Butte-Glenn Community College District

www.butte.edu
Information (530) 895-2511 • info@butte.edu

Main Campus • 3536 Butte Campus Drive, Oroville, CA 95965
Glenn County Center • 604 East Walker Street, Orland, CA 95963
Chico Center • 2320 Forest Avenue, Chico, CA 95928
Skyway Center • 2480 Notre Dame, Chico, CA 95928
Cosmetology & Barbering Center • 2201 Pillsbury Road, Suite 170, Chico, CA 95926

Information about policies, course offerings, fees, and refunds published in this Catalog is subject to change without prior notice. Any updates to policy, enrollment, or fee information can be found on the web at **www.butte.edu** and in the online Semester Class Schedule prior to registration each term at **www.butte.edu/schedule**. The College reserves the right to cancel planned or scheduled classes due to insufficient enrollment, inability to assign a qualified instructor, or for other circumstances unforeseen at the time of the schedule publication. It reserves the right to change method of delivery to remote instruction in cases of emergency. In the event a class is canceled, efforts are made to help students relocate into other classes consistent with their needs.

Message from The President

Welcome! Whether this is your first experience in higher education or you are a returning student, you made a great choice in Butte College.

This catalog is your guide to being a successful college student. You will find information on how to enroll in classes and how to get financial assistance. The policies and procedures that impact students are here as well as the resources available to you. In addition, every degree and certificate program is listed with a full description of the courses you need to complete it. You will also find information on how to get involved in a variety of extracurricular and leadership opportunities.

For more than 50 years Butte College has offered exceptional programs and services for our local communities. From its humble beginning in Durham, Butte College has grown into a comprehensive college offering 200 degree and certificate programs to 10,000 students a semester. We are proud to have touched the lives of over 500,000 students in our fifty-plus year history.

Did you know:

- We offer 32 Associate Degrees for Transfer that guarantee students entry into a CSU upon completion
- Our career and technical programs offer hands-on learning that leads to high licensure pass rates and job placement rates in local businesses
- We offer 38 campus clubs and 13 athletic teams for students to join

All of us — faculty, staff, and administrators — are here to provide you with a learning environment that is equitable, challenging, and supportive. We strive to remove barriers to your learning and to inspire you to reach your potential. We are here to help you every step of the way.

I wish you the best of luck as you take this next step in your educational journey.

Samia Yaqub, Ph.D.
Superintendent/President

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Academic Calendar

Dates are subject to change. See class schedule at butte.edu/schedule for specific dates or visit the academic calendar at butte.edu for upcoming dates and deadlines.

Fall Semester 2021
August 23 – December 17

Fall Class Schedule online at **www.butte.edu/schedule**	March 8
Registration appointments distributed in Self Service	March 1
Registration begins	March 29
Instruction begins	August 23
Legal holiday	September 6
Last day to pay fees	7 days from enrollment
Last day to add courses	September 2
Last day to drop and receive a refund	September 2
Last day to drop w/o a “W” appearing on transcript	September 2
Last day to submit P/NP, Audit, & Credit by Exam petitions	September 23
Last day to withdraw with a “W” w/o instructor’s signature	October 15
Legal holiday	November 11
Deadline to apply for graduation	November 23
Thanksgiving Recess	November 25, 26
Non-instructional Saturday	November 27
Last day of instruction	December 10
Final examinations	December 13–17

Winter Session 2022
January 3 – January 21

Drop dates vary by course. *See course syllabus for exact dates.*

Winter Class Schedule online at **www.butte.edu/schedule**	October 2021
Registration appointments distributed in Self Service	October 11
Registration begins	November 1
Instruction begins	January 3
Last day to pay fees	7 days from enrollment
Last day to add courses	January 4
Last day to drop and receive a refund	January 3
Last day to drop w/o a “W” appearing on transcript	January 5
Last day to submit P/NP, Audit, and Credit by Exam petitions	January 7
Last day to withdraw with a “W” w/o instructor’s signature	January 10
Deadline to apply for graduation	January 21
Last day of instruction	January 21

Spring Semester 2022
January 24 – May 27

Spring Class Schedule online at **www.butte.edu/schedule**	October 2021
Registration appointments distributed in Self Service	October 11
Registration begins	November 1
Instruction begins	January 24
Last day to pay fees	7 days from enrollment
Last day to add courses	February 3
Last day to drop and receive a refund	February 3
Last day to drop w/o a “W” appearing on transcript	February 3
Last day to submit P/NP, Audit, & Credit by Exam petitions	February 24
Last day to withdraw with a “W” w/o instructor’s signature	March 24
Legal holiday	February 18, 21
Non-instructional Saturday	February 19
Spring Break	March 14–18
Deadline to apply for graduation/ commencement	March 24
Last day of instruction	May 20
Final examinations	May 23–27
Final graduation application deadline	May 27
Graduation ceremony	May 27

Summer Session 2022
TBA

Summer Class Schedule online at **www.butte.edu/schedule**	March 8, 2022
Deadline to apply for graduation	July 15, 2022

About Butte College

Butte College serves approximately 17,000 students a year and is an accredited community college. Butte College offers a quality education and more than 200 degree and certificate programs. Students can earn associate's degrees, train for career options, or take general education classes to transfer to a CSU, UC, or private university. Butte College has the highest transfer rate to CSU, Chico, and many of our alumni have successful careers in fire, nursing, law enforcement, welding, business, computer science, heavy equipment and more. The College also offers degrees with guaranteed transfer to California State Universities—with 31 Associate Degrees for Transfer available.

The College's Mission and Vision

Mission Statement

Butte College is a student-centered learning institution which provides quality education and support services, that are continuously evaluated and improved, to prepare students to be productive members of a diverse, sustainable, and ever-changing global society. We provide career and transfer pathways for students to become life-long learners and critical thinkers through the mastery of basic skills, workforce training, and the achievement of degrees and certificates.

Our Vision

Butte College serves our communities by inspiring diverse learners to reach intellectual, cultural, social, economic, and personal success.

Institutional Learning Outcomes

A collaborative effort across all constituent groups has produced institutional learning outcomes (ILOs) which are used to assess our success in reaching our mission, vision, and values.

Think Critically

- Locate relevant information resources and use them effectively and ethically
- Interpret, analyze, synthesize, and evaluate ideas and information
- Apply knowledge and skills to a variety of situations

Communicate Competently

- Listen respectfully and actively to diverse ideas and perspectives
- Communicate clearly, appropriately, and ethically
- Adapt messages to a variety of audiences and purposes both through writing and speaking

Engage Collaboratively

- Interact productively and empathetically in different social and cultural contexts
- Understand the local and global impacts of individual and collective actions
- Engage with your community to enact positive change

Work Effectively

- Demonstrate skills, knowledge, and problem-solving applicable to one's field of study
- Work well with others and foster an inclusive workplace
- Develop personal accountability and initiative, and pursue lifelong learning

A Leader in Sustainability

Resting on 928 acres, the College is designated a wildlife refuge and serves as an outdoor laboratory for college programs. Butte College leads community colleges in sustainability due to student engagement at the College and in the community, infusion of sustainability into the curriculum, sustainable land use management, renewable energy and energy efficiency.

Butte College:

- Offers a Sustainability Studies Certificate Program;
- Operates the largest bus transportation system of any community college in California;
- The College produces 90 percent of its annual electrical needs for both the Main Campus and Chico Center through the use of solar panels;
- Leadership in Energy and Environmental Design (LEED) Gold certification of the Arts Building and Student and General Services Building by the US Green Building Council;
- Mathematics, Engineering, Science Achievement (MESA) students work as interns on a Bio-filtration Wetland Educational Living Laboratory (BWELL) Project;
- Recycles 79 percent of its waste stream;
- The Agriculture Department gained organic certification on 26 acres.

Accreditation

Butte College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, **accjc.org** (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation, the U.S. Department of Education, and the California Community Colleges Chancellor's Office **cccco.edu** (916) 445-8752.

Butte College is accredited, licensed, and/or approved by:

- Commission on Accreditation of Allied Health Education Programs **caahep.org** (727) 210-2350;
- California Department of Public Health **www.cdph.ca.gov** (916) 558-1784;
- Board of Registered Nursing **www.rn.ca.gov** (916) 322-3350;
- Board of Vocational Nursing and Psychiatric Technicians **www.bvnpt.ca.gov** (916) 263-7800;
- Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) **www.coaemsp.org** (214) 703-8445;
- Commission on Accreditation for Respiratory Care **www.coarc.com** (631) 912-7920; ß
- Commission on Peace Officer Standards and Training **www.post.ca.gov** (916) 227-3909;
- Office of the State Fire Marshal **osfm.fire.ca.gov** (916) 568-3800;
- U.S. Immigration and Customs Enforcement — Student and Exchange Visitor Program **www.ice.gov/sevis** (703) 603-3400;
- National Automotive Technician Education Foundation (NATEF) **www.natef.org** (703) 669-6650;

- Honda Professional Automotive Career Training (PACT) **www.hondapact.com** (310) 781-4294
- Board of Barbering and Cosmetology **barbercosmo.ca.gov** (800) 952-5210;
- California Community College Athletic Association **www.cccaasports.org** (916) 444-1600;
- California Commission on Teacher Credentialing (CCTC) **https://www.ctc.ca.gov credentials@ctc.ca.gov**

Non-Discrimination

Butte-Glenn Community College District does not permit discrimination or harassment in its programs or activities as stated in our Non-Discrimination statement published in this catalog or on our website.

The College's Advisory Committees

To ensure that Career Education programs respond to the needs of business, industry, and government, the Butte- Glenn Community College District establishes program advisory committees whose members are industry leaders in occupational areas related to the College's programs. Individual program advisory committees provide valued advice related to:

- Curriculum
- Facilities and equipment
- Job market information
- Evaluation of the performance of students completing the requirements for any given program

A campus Career Education General Advisory Committee consults with the campus on the broader issues related to the Butte College vocational mission.

Butte College Foundation

The Butte College Foundation is a non-profit, 501C3 charitable organization and serves as the fundraising arm for Butte College. The Foundation is governed by a volunteer board of directors who work to develop partnerships and resources to benefit students at Butte College. Donations to the Foundation help support Butte College students and programs. Scholarships can be named in honor of a loved one to leave a lasting legacy. For more information, contact the Foundation at (530) 895-2359 or visit **www.butte.edu/ foundation**.

Our Campus and Centers

Butte College Main Campus

3536 Butte Campus Drive
Oroville, CA 95965
(530) 895-2511 • butte.edu

The Butte College Main Campus rests on a 928 acre designated wildlife refuge, making it one of the largest community college campuses in the state. Students can earn a certificate, degree, or transfer to a university or other institution.

Students can take advantage of key student services including: Career Counseling, Job Placement, Counseling and Advising, Transfer Counseling Center, Extended Opportunity Program and Services, Disabled Student Programs and Services, Sustainability Resource Center, Office of Veterans Services, Culture & Community Center, Safe Place and Wellness Program, Student Health Clinic, Center for Academic Success, and more than 40 student clubs!

Butte College offers low tuition and financial aid to those that qualify. Federal and state financial assistance such as grants, work study, loans, veteran services, and scholarships are available through Financial Aid, Veteran Services, and the Foundation Office.

Chico Center

2320 Forest Avenue
Chico, CA 95928
(530) 895-1352 • butte.edu/chicocenter

The Chico Center offers day and evening courses for the community. Classes are offered in communication studies, English, music, political science, history, philosophy, geography, business, computers, accounting, foreign languages and more.

The Chico Center offers a broad range of student services including admissions, registration, Disabled Student Programs and Services (DSPS), financial aid, job placement (by appointment), Roadrunner Hub, campus store, and academic, career, EOPS, general, transfer and mental health counseling. The Chico Center Library and Support Services Center offers test proctoring, media/technical support in the classroom or labs for students, faculty and staff, textbook circulation, reference librarians, smart group study rooms, and assistive technology stations for DSPS students. Center for Academic Success (CAS) tutoring with computer lab is also offered. The student lounge is available for student IDs and a variety of student activities and events.

Glenn County Center

604 East Walker Street,
Orland, CA 95963
(530) 895-2429 • butte.edu/glenncenter

The Butte College Glenn County Center is located in Orland, offering day and evening courses for the Glenn County area including the communities of Orland, Willows, and Hamilton City. A variety of course offerings are available, including an extensive list of general education and transfer courses.

The Glenn County Center provides a broad range of student services including admissions, registration, assessment, counseling, orientation, financial aid, academic workshops, and test proctoring. An open computer lab, lending library, and Student Life Lounge are also available for students. Center for Academic Success (CAS) tutoring, computers, and free printing is offered.

Public transportation to the Glenn County Center is available through Glenn Ride Transit. Currently-enrolled students are eligible for free Glenn Ride bus passes. View the Glenn Ride schedule online at **countyofglenn.net/transportation** or call 1-888-800-RIDE (7433).

Skyway Center

2480 Notre Dame Boulevard,
Chico, CA 95926
(530) 895-2511 • butte.edu/skywaycenter

The Butte College Skyway Center offers the College's automotive technology program along with economic workforce development programs, including: The Training Place, the Health Workforce Initiative, Foster Kinship Care Education Program, and the Small Business Development Center (SBDC).

The College's Economic Workforce Development Program serves the business community. The Training Place offers employee training to all businesses. The Health Workforce Initiative provides education and training programs to meet emerging demands for health care industry workers. The Butte College Small Business Development Center offers one-stop business management assistance through counseling, entrepreneur training, and guidance to small business owners and entrepreneurs in Butte, Glenn and Tehama Counties. The Foster Kinship Care Education Program provides workshops for parents and care providers on discipline, health, community resources, guardianship, self-esteem and other topics. Training programs and clinics are held to help those interested in becoming foster parents or guardians.

Cosmetology and Barbering Center

2201 Pillsbury Road, Suite 170
Chico, CA 95926
(530) 895-2202 • butte.edu/cosmetology

The Butte College Cosmetology and Barbering Center is located in Chico and offers a course of study designed to meet the requirements of the State of California Barbering and Cosmetology Act. Courses are offered Monday through Friday. Information about the programs offered at this location is available at **butte.edu/cosmetology**.

Educational Opportunities

General Education, Career Programs, and Transfer Majors

Butte College offers students a variety of educational options, ranging from general and special interest courses, complete career education programs which prepare students for a career upon graduation, associate degrees for transfer and local degrees which allow students to complete their general education and lower-division major requirements before transferring to a university. Classes are offered at the Main Campus, as well as at locations in several communities throughout the Butte-Glenn Community College District. Upon successful completion of chosen programs, the College may award one of the following: Associate Degree for Transfer, Associate Degree, Certificate of Achievement, or a Certificate in a specialized field.

Online Classes and Services

Butte College provides a variety of online courses that offer convenience and flexibility in the pursuit of educational goals. For more information on Distance Education courses, visit **www.butte.edu/online** or call (530) 879-4061.

Study Abroad

Butte College's study abroad program offers opportunities to live and study in exciting international destinations. Visit **www.butte.edu/studyabroad** to find out more, to download applications, and to learn about financial aid availability. Additional information can be obtained by calling the study abroad office at (530) 895-2471.

Workforce Development and The Training Place

Mission: Responding to community needs by providing performance improvement solutions resulting in economic development, sustainability and growth.

The Training Place assists businesses to develop employee talent with over 250 industry driven training programs. Trainers hold credentialed certifications with learning partners including: Amatrol Manufacturing Training Systems, TPC Trainco, Achieve Global International, Development Dimensions International (DDI), Cloudwise Academy, Ed2Go, Salesforce, Training Within Industry (TWI), and Occupational Safety and Health Administration (OSHA).

Training is delivered at employer locations and professional training facilities located at the Butte College Skyway Center on Notre Dame Boulevard in Chico.

Visit The Training Place website at **www.butte.edu/thetrainingplace**. Call (530) 895-9015 or email us at **thetrainingplace@butte.edu** for more information.

Attending Butte College

Admissions

Butte College admits all high school graduates or the equivalent, and any persons 18 years of age or over who are capable of benefiting from the instruction offered. High school non-graduates who are over 18 years of age shall be admitted provisionally. Other K-12 and K-12AD students who have the permission of their principal, counselor, and a parent/ guardian, may be eligible for admission. Students who meet the eligibility requirements for admission must submit an Application for Admission on-line through CCC Apply prior to registration. Other K-12 and K-12AD students must also complete and submit a Dual Enrollment or Concurrent Enrollment Permission Form to the School Relations Office. Forms are available at the high school counseling offices or online at **www.butte.edu/highschool**.

Open Enrollment Policy

It is the policy of this District that, unless specifically exempted by statute, every course, course section and class, in which attendance is reported for state aid, wherever offered and maintained by the District, is fully open to enrollment and participation by any person who has been admitted to the College and who meets such prerequisites as may be established pursuant to regulations contained in Article 1 (commencing with Section 55000) of Subchapter 1 of Chapter 6 of Division 6 of Title 5 of the California Code of Regulations.

Enrollment Restrictions

New College Students and New Transfer-In Students: New College Students and New Transfer-In Students have enrollment restrictions until they have completed their Career and Academic Profile, an orientation session, and have met with a counselor to create an education plan. Students should visit the Orientation Department website for additional details on how to complete Orientation and register for classes. All applicants are urged to complete applications as early as possible.

Returning Students: Returning students are required to submit a new application after a break in enrollment at Butte College of one year or more unless a planned educational leave is on file. Former Butte College students who are returning to the College should contact (530) 895-2511 for more information on the re-entry process. See the **Quick Guide to Butte College Admissions** for details.

Student Classifications

New College Student: A student who is attending Butte College for the first time OR is attending Butte College for the first time and has completed fewer than 24 units at a college other than Butte College. A student who has taken courses at Butte College while concurrently attending a K-12 school and has since graduated from high school is still considered a new student.

New Transfer-In Student: A student who is attending Butte College for the first time and has completed 24 or more units with a minimum GPA of 2.0 at a college other than Butte College.

Continuing Student: A student who has attended the preceding fall or spring term. Continuing students receive priority registration times typically in March or April and October or November.

Returning Student: A student who has previously completed course work at Butte College and is returning after a lapse of time

or enrollment at another college. Students returning to Butte who have not attended in one year or more must submit a new application.

Provisional: A first-time student enrolled full-time who is 18 years of age or older, but who does not possess a high school diploma or equivalent.

K-12/K-12AD: A K-12 or a K-12AD student has not graduated from high school and is pursuing a high school diploma or equivalent. To take classes, the student must have a Dual Enrollment or Concurrent Enrollment Permission Form on file by the deadline. K-12 and K12AD students may not enroll in more than 11 credit units for fall and spring semesters, 10 units in summer session and 4 units in winter session. For additional information please contact the School Relations Dept. at (530) 895–2511, or visit us at **www.butte.edu/highschool**.

Adult Education Student: An Adult Education student is over the age of 21 and attending an adult education high school diploma or equivalency program. Adult Education students are subject to the same provisions as K-12 students stated in the paragraph above.

Part-time: A student enrolled in fewer than 12 semester units. For fee purposes, part-time constitutes fewer than 6 credit units.

Full-time: A student enrolled in 12 or more semester units. For fee purposes, full-time constitutes 6 or more credit units.

Quick Guide to Butte College Admission 5 Steps to Enrollment

What Type of Student Are You?

NEW COLLEGE STUDENT: You are a new college student if you are attending Butte College for the first time OR are attending Butte College for the first time and have completed fewer than 24 units at a college other than Butte. If you have taken courses at Butte College while in high school and have since graduated, you are considered a new college student.

NEW TRANSFER-IN: You are a new transfer-in student if you are attending Butte College for the first time and have completed 24 or more units with a 2.0+ GPA at a college other than Butte.

RETURNING: You are a returning student if you previously completed course work at Butte College and are returning after a lapse of time or enrollment at another college.

CONTINUING: You are a continuing student if you attended the preceding fall or spring term. Continuing students receive priority registration times in March or April and October and November.

K-12/K-12AD: You are a K-12 or K-12AD student if you have not graduated from high school and are pursuing a high school diploma or equivalent. To take classes you must have a Dual Enrollment or Concurrent Enrollment Permission form on file by the deadline.

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1. APPLY FOR ADMISSION

Apply online at **www.butte.edu/apply**. Request and send your official transcripts from all previously attended colleges to Butte College Admissions and Records. If you need assistance, call (530) 895-2511. Once you complete your application, you will receive an email that contains your Butte College ID number and Email login information within 2-3 days.

2. APPLY FOR FINANCIAL AID

Complete the Free Application for Federal Student Aid (FAFSA) online at **www.studentaid.ed.gov**, using the Butte College **Federal School Code 006972**. Completing a FAFSA before you enroll may exempt you from the requirement to pay fees within seven days. Students who have an undocumented status: please complete the CA Dream Act Application online at **dream.csac.ca.gov**. First-time, full-time students who are California residents or AB540 may be eligible to receive the **Butte College Promise Scholarship (BCPS)**. The BCPS pays all tuition and student service fees for the student's first two academic years. Visit **www.butte.edu/financialaid** for more information.

3. FIND YOUR BUTTE COLLEGE EMAIL AND PASSWORD

By obtaining your Butte College email and password you will be able to log into your Self Service, register for classes, get connected to resources and much more. If you've forgotten your Butte College ID#, call Admissions and Records at (530) 895-2511. To obtain your Self Service account username and password, call Student Tech Support at (530) 895-2925 or email **StudentTechsupport@butte.edu**.

4. COMPLETE ONLINE ORIENTATION AND CAREER AND ACADEMIC PROFILE

New students & New Transfer-In Students complete Online Orientation and Career and Academic Profile through the Orientation webpage at **www.butte.edu/orientation**

5. SIGN-UP FOR A VIRTUAL COUNSELING AND REGISTRATION SESSION & REGISTER

New Students will sign up for Virtual Counseling and Registration session online through the Orientation webpage at **www.butte.edu/services/orientation/signupdates**

New Transfer-In Students will sign-up for an Individual Counseling Appointment prior to second semester registration. Go to **appointments.butte.edu/Counseling** to schedule an appointment.

Questions about Admissions, Career and Academic Profile (CAP), Registration, Financial Aid, Orientation, or Counseling call (530) 895-2511

Enrollment Policies and Procedures

Application for Admission

All students can submit an Application for Admission to the Office of Admissions and Records online at **www.butte.edu** by clicking on the "Apply Now" button**.** All new college students, new transfer-in students, and students who took Butte College classes as K-12 students and have since graduated from high school are required to submit an Application for Admission. Returning students who have not attended Butte in one year or longer are required to submit an Application for Admission. Submitting an application does not require a student to register for classes.

Paper Applications for Admission are available at the Main Campus, Chico and Glenn County Centers or by calling (530) 895-2511. Students can mail completed paper applications to: Butte College Office of Admissions and Records, 3536 Butte Campus Drive, Oroville, CA 95965 or personally deliver paper applications to the Main Campus, Chico or Glenn County Center's Office of Admissions and Records.

When an online application has been received, new students are sent:

1. An email indicating receipt of application.
2. A welcome letter with materials from the Office of Admissions and Records outlining pre-enrollment activities. Students who do not receive this information should contact the Welcome Center at (530) 895-2511.

Students who submit paper applications must contact the Career and Academic Assessment Office and Orientation Office through (530) 895-2511 for information on pre-enrollment activities.

Career and Academic Profile (CAP)

All students who attend Butte College are required to complete the Career and Academic Profile (CA) tool prior to enrolling in classes. This includes identifying a program of study and academic goal and placement into English and Math courses required for your academic program. With a profile of a student's past academic history and perception of their skills, counselors can suggest courses and supports where, with effort, academic achievement is likely. Using the Profile, counselors can help students meet their vocational and educational goals.

The CAP tool can be completed online at **www.butte.edu/assessment** or during a walk-in appointment.

It is recommended that students who have been out of high school for less than 10 years have a high school transcript available when completing the CAP tool. A guided self-placement option will be available for students who have been out of high school for more than 10 years or have not completed high school in the United States.

Students will receive their Profile by email after completing this process. Profile results are also available through the Career and Academic Assessment Center. For more information, call the Career and Academic Assessment Center at (530) 895-2511.

AB 705

New legislation allows students to register directly into transfer level coursework. Visit the AB 705 website for more details: **www.butte.edu/AB705**

English and Math Placement Calculations

High School Performance Metrics	Butte College English Placement Calculations
HS GPA: 2.6 and above	ENGL 2 — Reading and Composition
HS GPA: above 1.9 and below 2.6	ENGL 2 or ENGL 3 — Reading and Composition (w/support) ENGL 3 is recommended for students with a GPA above 1.9 and below 2.6 who have not passed a high school English course.
HS GPA: 1.9 and below	ENGL 2 or ENGL 3 — Reading and Composition (w/support) ENGL 3 is strongly recommended for students with a GPA below 1.9

High School Performance Metrics	Butte College Math Placement Calculations
Passed Pre-calculus with a "C" or better	MATH 4, 5, 11, 12, 13, 17, 18, 30
Passed Algebra 2 or Integrated Math 3 with a "C" or better	MATH 4, 5, 11, 12, 13, 17, 18, 20, 26
Did not pass Algebra 2 or Integrated Math 3 with a "C" or better	MATH 4, 5, 11, 17, 18, 116 or 124 MATH 116 or 124 is required before taking any of the Business or STEM transfer level courses: 12, 13, 20, 26

START Program (Career and Academic Profile, Orientation, and Counseling)

All new students to Butte College are required to participate in pre-enrollment activities before they are allowed to register for non-exempt classes (the Career and Academic Profile is required for English and math courses). Presented by Student Services, the Student access, Retention and Transition (START) Program provides new students with the information and support necessary to ensure a smooth transition into Butte College. After submitting an application, new students receive packets from the Admissions Office that directs them to contact the Career and Academic Assessment Center and Orientation for scheduling information.

The START Program provides students with:

1. An orientation to college services, programs, policies and procedures;
2. A tour of the campus;
3. Tips on classroom etiquette and instructor expectations;
4. Pre-enrollment counseling/advising to assist in course selection;
5. Registration.

Exemptions to START

The following may exempt students from one or more components of the Orientation and START programs:

1. Concurrent enrollment in elementary school, junior or senior high school.
2. Enrollment in performance, activity, or noncredit courses only. See the Exempt Class list.
3. Are enrolling in one or two non-exempt classes and do not intend to obtain a certificate or degree. Call (530) 895–2511 for enrollment information.
   *These exemptions require verification prior to registration. Please contact the Orientation Office.

Registering for Classes

Registration dates, times and instructions on how to register for all students are available on page iv of the Class Schedule at **www.butte.edu/schedule** or the Office of Admissions and Records website at **www.butte.edu/admissions** through the "Registration" link. All New College Students will register during their Counseling and Registration session. New Transfer-In Students will register on specific dates. Students must schedule a Counseling appointment prior to second semester registration. Returning Students, K-12 Students and all other students register on specific dates.

Continuing Students register by appointment during the priority registration period which occurs in March or April for summer and fall terms and October or November for winter and spring terms. Priority registration dates and times are assigned to Continuing Students according to the guidelines set forth in the California Code of Regulations, Title 5, Section 58108. Priority registration appointments are distributed to Continuing Students through their Self Service accounts in February or March for summer and fall registration periods and October or November for winter and spring registration periods.

Continuing and New Students may lose registration priority if:

- They earn more than 100 units at Butte College.
- They are on academic probation for 2 or more terms.
- They do not complete Orientation, Career and Academic Profile, and work with a counselor to create an Educational Plan.

Students register online through their Self Service accounts. New students receive usernames, passwords and instruction for accessing and using their Self Service accounts via e-mail, shortly after being admitted, and during their in-person orientation session. Students who do not attend an in-person orientation session must contact Student Technical Support at (530) 895-2925 Monday through Thursday 8 a.m. to 5 p.m. and Fridays 8 a.m. to 12 p.m. to receive their usernames and passwords. Computer labs are available at the Main Campus, Chico and Glenn County Centers free of charge for students who need access to computers. Students can call General Information at (530) 895-2511 Monday through Thursday from 8 a.m. to 5 p.m. and Fridays from 8 a.m. to 12 p.m. for information on computer lab locations and hours of operation or assistance with online registration.

Waitlists

Students attempting to register online into classes that have closed will receive a message providing them with an opportunity to place themselves on the waitlist for these classes. Students will automatically be enrolled from a waitlist when space becomes available and will receive an email notification to their Butte College email in their Self Service account. Students have 7 days to pay from the date of enrollment and should check email daily if waitlisted for a class. Once classes begin, instructors may authorize the add according to waitlist ranking. Students who are still on a waitlist when a class begins should attend the first day of the class be eligible and get an add authorization from the instructor. Students must email the add authorization to **admissions@butte.edu** to enroll in the class.

Financial Aid students: waitlisted classes are not counted as enrollment for financial aid units. Contact Financial Aid for more details at (530) 895-2311.

Choosing Alternates for Closed or Canceled Classes

Students may find some courses may be closed without a waitlist option or canceled when they attempt to register into them. Students should be prepared to make alternative course choices. Counselors are available to assist students in planning a full course schedule appropriate to the student's goals. Counseling services are available at Main Campus, Chico and Glenn County Centers. Students can call General Information at (530) 895-2511 to contact the Counseling and Advising Center and schedule an appointment.

Adding Classes After the Semester Starts

During the first two weeks of fall and spring terms, students may add themselves to regular term classes which still have space available using their Self Service account or by calling (530) 895-2511 for assistance. To add classes, students must have already submitted an Application for Admission, received a Butte College ID number and completed any necessary pre-enrollment activities.

Special Registration Procedures for Certain Programs

Special procedures are required for a small number of Butte College's vocational programs. Programs with special registration procedures and requirements include: Automotive Technology, Cosmetology, Law Enforcement / Fish and Wildlife / State Parks, Fire, Paramedic, Registered Nursing, Vocational Nursing, Nursing Assistant, Respiratory Care, and Welding. Students with questions about these programs should contact the specific department or the Counseling and Advising Center to discuss requirements.

Residency Requirements

As a public community college under California law, Butte College is bound by certain legal requirements pertaining to residence that must be observed. Students reaching their 19th birthday are deemed adults and may establish their own residence.

California Residents

Residency regulations stipulate that in order to be considered a California resident the student may be required to present evidence of physical presence in California for at least one year and one day before the start of the semester. Regulations further state the student must also demonstrate clear intent to make California their home for other than a temporary purpose.

Nonresident Students

All students who indicated they have resided out of California in the two years previous to applying for admission and wish to be considered for residency must complete a Residency Re-evaluation Form available from the Admissions and Records Office. Students are required to meet the residency requirements as stated in the above paragraph as well as requirements for financial independence as described in Education Code 68044 and on the Residency Re-evaluation Form. Any student, other than a nonimmigrant alien (except for a T or U visa holder), may be entitled to an exemption of the nonresident fees by meeting the requirements of AB 540, Nonresident California Tuition Exemption. Contact the Residency Technician at (530) 895-2546 or the website, **www.butte.edu/admissions** for more information.

Residency Reclassification

A student previously classified as a nonresident may be reclassified as of the residency determination date. A residency determination date is that day immediately preceding the opening day of instruction for any session during which the student proposes to attend. To request residency reclassification, a student must complete and submit a Residency Reevaluation Form and required documentation to the Office of Admissions and Records prior to the residency determination deadline. Extenuating circumstances may be considered in cases where a student failed to petition for reclassification prior to the residency determination date. In no case may a student receive a nonresident tuition refund after the eighth week of the Fall or Spring semester. Students can find detailed information on residency requirements, including California Education Code and Title 5 references, in Butte College Board Policy 5015 at: **www.butte.edu/community/getting_involved/contacts/trustees/Chapter5.html**.

International Students

Under federal law, the College is also authorized to enroll nonimmigrant, international students. All nonresident and international students are charged a nonresident fee in addition to other fees. Once the free application is submitted, along with other required documents listed online at

www.butte.edu/international, the applicant will hear from an admissions' coordinator to confirm receipt of the application and to offer assistance through the remainder of the application process.

Student Records

The College maintains the following types of student records: academic achievement and aptitude test results, counseling information, copies of correspondence, residency information, admission and enrollment data, copies of petitions and applications, certain medical records, some financial records, and certain information provided by Disabled Student Services. Student medical records are maintained by the Director of the Student Health Clinic, and student financial aid records are maintained by the Financial Aid Director. All other records are maintained by the Director of the Office of Admissions and Records and the Vice President for Student Services.

Access to Records

Officials and employees who may access student records include: administrative personnel, confidential and supervisory personnel acting on behalf of their administrators; counselors working with their counselees; instructors with respect to their students; and certain classified employees in carrying out the responsibilities of their job descriptions. Additionally, members of certain groups, including the Academic Council and Judicial Council, may access student records in the performance of their duties while acting upon requests of students. Such officials and employees must have legitimate educational interest in the student record, including researching data, resolving problems, and ensuring that correct and accurate information is maintained. Students have the right to access their records and challenge their content, as provided in Board Policy 5040. Copies of this policy are available in the Student Services Office and the Superintendent/President's Office. The log of persons and organizations requesting access to student records is maintained in the Office of Admissions and Records. If a pupil has attained the age of 18 years or is attending an institution of postsecondary education (including K-12 students simultaneously enrolled in Butte College Courses), the right to access records shall thereafter only be required of, and accorded to, the pupil.

Release of "Directory Information"

The following "Directory Information" may be released without student consent: student's name, participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees and awards received. The college also reserves the right to include information about expulsion on student transcripts. Students who do not want directory information released must inform the Office of Admissions and Records in writing on the appropriate form at the beginning of each term the information is to be withheld.

Transcripts

Official transcripts of previous academic work in college are required from all students. These transcripts become part of the student's permanent file and will not be released or forwarded to other institutions. No previous academic work may be disregarded. Students should request that their former school(s) send an official transcript to Butte College. Any copy other than an official transcript is unacceptable. Students should be aware that schools may charge a fee to send official transcripts to Butte College. Official transcript requests must be made online. Official transcripts are available for sending as both paper and emailed PDF format. Direct electronic format is available for sending to select recipients. Instructions on how to have transcripts sent to other institutions from Butte College are available online at **www.butte.edu/services/admissions/reqTranscript**.

College Fees

California Community Colleges continue to be the primary entry point for those seeking to obtain associates degrees, transfer to 4-year universities and obtain vocational certificates in pursuing career goals and objectives. As part of the California Community College System, Butte College offers quality education with reasonable costs.

Payments Due 7 Days from the Time of Registration

Students will have 7 days from the time of registration to pay fees, or they may be dropped from one or more classes. To avoid being dropped take one of the following steps:

1. Pay fees in full.
2. Students who can show proof of sufficient eligibility for financial assistance will be exempt. Complete a FAFSA or provide proof of other financial assistance (scholarship, GI Bill, patron agreement, etc.) to the Butte College Business Office.
3. Create a fee payment plan online.

Students are responsible for making payment arrangements or providing verification of exemption status. Those who do not pay fees or make arrangements to pay fees may be dropped from one or more classes. Once you have registered, you can view payment information in Self Service. For complete details about drop for nonpayment please refer to **www.butte.edu/services/admissions/7days**.

Waitlists and 7 Days To Pay

Students enrolled into a class from a waitlist have 7 days to pay from the day they are enrolled and could be dropped from one or more courses if outstanding fees are not paid within the 7-day time period. Students can check their waitlist ranking on their Self Service account through the “Schedule, Register, and Drop Classes” link under the “Academics” drop down menu.

Short-Term and One-Day Class Fee Payments

Fees for short-term or one-day classes are due at the time of registration. Short term classes have irregular drop and withdrawal dates. For short term classes, drop dates for refund eligibility are calculated at 10 percent of the class’ duration. Drop dates for refund eligibility for these courses vary. Students should see their instructor for exact drop for refund eligibility and withdrawal dates.

Fee Payments Made by a Patron

In cases where students fees are paid by an outside agency or patron, those students will not be reimbursed if they pay their own fees. After registration, class changes require additional authorization from the Butte College Business Services Office.

Students registering online or via phone: After registering, students should submit the agency authorization letter to the Butte College Business Services Office before the drop for non-payment date. If the letter has already been submitted, students should contact the Business Services Office after registering to verify fees are being covered by the agency.

Students registering in-person: To receive a Patron Voucher, students should bring their authorization letter to the Business Services Office before registering for classes. For complete information, see the Financial Aid section in the Catalog.

Making Payments

By phone: Call (530) 895-2511 to pay over the phone Monday-Thursday, 8 a.m. to 5 p.m., and Friday, 8 a.m. to 12 p.m. with a Visa, MasterCard or check card. Have the credit card number and expiration date ready to give to the operator.

On-line: Pay your fees through your Self Service account with a Visa or MasterCard only, at **www.butte.edu**.

Pay by mail: Pay with a check or money order immediately after registering. Mail payment to: 3536 Butte Campus Drive, Oroville CA 95965. Receipts are mailed upon processing of payment.

In-person: Pay in person with cash, check, or Visa or MasterCard Monday-Thursday, 8 a.m. to 5 p.m., and Friday, 8 a.m. to 12 p.m. at the Main Campus Office of Admissions and Records. To pay at the Chico Center or Glenn County Center, please call ahead of time to determine business hours.

Payment Plan: Log in to Self Service and select “Create a Payment Plan” in Web Advisor. Select the link and follow the instructions.

A $20 per check charge is assessed for all checks drawn against insufficient funds, or if a “stop payment” is issued. Postdated checks are not accepted.

Refunds

Refunds for Dropped Classes

Refunds are approved if a course is dropped prior to the course’s refund eligibility date and a refund request is submitted to the Business Services Office or the Office of Admissions and Records at the Main Campus, Chico or Glenn County Centers. To be eligible for refund, a regular term course must be dropped within the first two weeks of spring or fall semesters. Short term classes must be dropped within the first 10 percent of the course’s duration to be eligible for refund. Refund eligibility drop dates for winter and summer courses can be found on page i of the Class Schedule at **www.butte.edu/schedule** or through the “Search for Classes” link on the home page. Refunds are processed within 45 days of the refund drop date. Regulations permit districts to retain a maximum $10 from enrollment fees as a refund processing fee.

Refunds for Course Disenrollment

Refunds in the cases of course disenrollment for disciplinary/academic reasons, unauthorized course repetitions, or other emergencies are subject to review. A refund request must be submitted with any appropriate verification for approval.

Refunds for Class Cancellations

Upon submission of a Student Refund Request Form marked “Class Canceled,” a refund of pertinent fees will be granted to the student. The $10 refund processing fee is not assessed for canceled classes.

Financial Aid Students

Students who receive financial aid funds and who fail to complete all of their classes may not be entitled to a refund. Funds may be returned to the Department of Education Student Financial Aid programs. Students will be notified by letter to their Butte College student email account.

Materials, Supplies, and Equipment Fees

Materials fees are listed below specific class listings in the online Semester Class Schedule. It is the policy of the Board of Trustees to supply each instructor with the supplies, materials and equipment necessary for the implementation of each curriculum outline, and each student with objectives and competencies according to Title V, Section 59404.

The Board may require an Instructional Materials Fee in classes where materials used become one of continuing value to a student outside the classroom as specified in Education Code Section 76365.

Exceptions to this Policy

1. Where individualized and non-reusable clothing or equipment is required for reasons of safety, health or the protection of school property, the student is requested to provide his or her own clothing or equipment.
2. Where a student prepares a useful item which they are permitted to keep, the student shall pay the District the cost of the materials used.
3. Where the College prepares a useful item which the student is permitted to keep, the student pays the District the cost of the materials used.
4. Where courses such as art, crafts, and shop require special tools and/or supplies, the student is requested to purchase such items.
5. Where equipment or uniforms are required in training for a certain profession and would normally be owned by the student, the student is requested to purchase such items.
6. Where a piece of equipment is so unique that it typically would not be owned either by the College or a student, the student may be asked to rent or purchase such an item.

Each term the cost for instructional supplies is reviewed by the departments in each instructional area. Recommendations for instructional supplies fees are made by program coordinators to the instructional deans. The deans evaluate the recommendations and forward recommended fees to the Vice President for Instruction for review. The Vice President for Instruction notes the fees in the Semester Class Schedule.

Quick Guide to Butte College Fees

Fees are subject to change without notice. Updated fees, program and policy information can be found online in the Semester Class Schedule prior to the start of each semester. It may be necessary to cancel courses or programs without prior notice.

Enrollment Fees

California Resident	$46 per unit
Nonresident See Residency Requirements in this catalog. Nonresident students pay regular enrollment and service fees in addition to the nonresident fees.	$270 per unit
International Student International students are defined as non-U.S. citizen students. International students pay regular enrollment and service fees in addition to the international student fees.	$270 per unit

Miscellaneous Fees

Course Audit Fee For all students enrolling in a course on an approved audit basis. Students auditing a course may not change their enrollment in that course to receive credit. A student enrolled in classes to receive credit for 10 or more units may audit 3 or fewer units at no charge. No refunds are granted for dropping or withdrawing from audited courses.	$15 per unit

Materials, Supplies, and Equipment Fees
Materials fees are listed below specific class listings in the online course schedule

Textbooks and Supplies
Students purchase their own textbooks and supplies. The Butte College bookstore has all required items for sale. According to the California Student Aid Commission state average, students can expect to spend between $950 and $1,950 for books and supplies in the 2021-2022 academic year.

Service Fees

Transportation Fee — Required

Students enrolled in 6 or more units	73 per semester
Students enrolled in 1.1 to 5.9 units	$55 per semester
Students enrolled in .1 to 1 unit	$20 per semester
Summer Session (regardless of unit load) (Not charged for winter session)	$37 per session

Service Fees

Health Services Fee — Required*
*Students who depend exclusively upon prayer for healing are exempt from the Health Fee.

Fall/Spring Semesters (regardless of unit load)	$22 per semester
Summer Session (regardless of unit load) (Not charged for winter session)	$18 per session

Student Activities Fee — Optional*
*Students whose class or classes are at the Chico Center or on the main campus during the daytime will be automatically charged and will be eligible to receive a Student Activity Card and/or current validation sticker. This fee is optional. Exemptions/refund information is available by calling (530) 895-2391 or (530) 895-2428.

Fee includes Student Activity card (Not charged for winter or summer)	$18 per semester

Student Rep Fee — Mandatory*
*Students may refuse to pay this fee for religious, political, financial, or moral reasons. For more information call (530) 895-2391 or (530) 895-2428. (Not charged for winter or summer)

All students	$2 per semester

Student Records Fees

All Replacement Degree Fee For all students who request a replacement for a degree previously issued.	$10 per degree
Transcripts/Enrollment Verification Subsequent transcripts and enrollment verifications Online transcript requests	Two copies free $8 $8 + $2.40

Technology Fee — Optional*
*All students will be assessed a $20 fee to help partially defray the costs of student access to campus technology. The fee will be used to help keep student computer labs equipped with current hardware and software as well as to provide high-speed connectivity to the Internet. Exemptions/refund information is available by calling the Call Center at (530) 895-2511.

Fall/Winter/Spring/Summer (regardless of unit load)	$20 per semester/session

Financial Aid

Butte College believes the primary responsibility for financing college education lies first with students and their family. When the total resources they can provide do not meet expenses, the College, as a third partner, does all possible to assist so students are not denied an education. A variety of grants, work-study employment, scholarships and loans are available to Butte College students. Determination of student eligibility for financial aid is made without regard to age, sex, race, religion, national origin, or disability.

The Financial Aid Office

Students seeking information regarding financial assistance should check with the Butte College Financial Aid Office, located on the first floor of the Student and Administrative Services Building. Brochures describing financial aid programs are available at this office, the Chico and Glenn County centers, and Butte and Glenn County high schools. The financial aid webpage at **www.butte.edu/financialaid** is kept up to date with the most current information.

To be considered by Butte College for federal and state aid programs, students should complete the Free Application for Federal Student Aid (FAFSA) online at **www.studentaid.gov**. Check **www.butte.edu/financialaid** for eligibility requirements. The application and all requested documents should be submitted to the Financial Aid Office by February 1 for priority consideration; however, applications are accepted throughout the year. Undocumented students, who have signed AB540 affidavits on file with Admissions and Records, are not eligible for federal aid but may apply online for state aid with the California Dream Application, at **dream.csac.ca.gov**.

Funds are limited and the full financial need of applicants may not be met. All students should be prepared to pay for books and other expenses until their aid comes through. There are also many local, state, and federal scholarships and grant programs which are available from sources outside the college. High school seniors should contact their high school counselors as to the availability and requirements of scholarships offered through community organizations and other resources.

Types of Financial Aid

Several types of financial aid are available to students, including grants, loans, Work-Study, and scholarships. Awarding of funds is based on eligibility, financial need and the amount of funds available. It is important that students define their educational goals as early as possible. Some federal and state aid programs have time limits to their eligibility.

For more information, visit the Financial Aid Office in SAS 160, view our website at **www.butte.edu/financialaid**, or call (530) 895-2311. Another excellent resource is the Federal Student Aid website, available at **www.studentaid.ed.gov**. It offers free and comprehensive information, advice, and tools to research financial aid.

Grants, Loans, Work Study, and Scholarships

Grants: Awards made to the student's account, which most often do not have to be repaid. Please refer to Return to Title IV section in the Catalog.

Loans: Awards made to the student's account, which must be repaid according to a repayment schedule.

Work-Study: Earnings paid monthly for work a student performs while in school.

Scholarships: Awards made to the student's account, which do not have to be repaid. Scholarships are granted for various reasons, including financial need, grade point average, career goals or residency. A number of scholarships are available through the Butte College Foundation. Call (530) 895-2359 for more information or go to **www.butte.edu/foundation** and click on **"**Scholarships**"** for scholarship applications and information.

Fee Waivers

California College Promise Grant : Waives an eligible student's enrollment fees (tuition). California residents, eligible AB 540 students, and eligible AB 1899 students may apply. Residency, AB 540 status, and AB 1899 status are determined in Admissions & Records. Students who file a FAFSA or the California Dream Application (only for AB 540 students) will automatically be considered for the CA Promise Grant and do not have to complete a separate application. Students who do not file either may access a Promise Grant application at **www.butte.edu/financialaid**. Click on "California College Promise Grant" under Types of Aid tab at top of page. Also, see additional information provided in following catalog section.

Butte College Promise Scholarship Program: Covers an eligible first-time, full-time student's enrollment fees (tuition) and service fees. California residents and eligible AB 540 students may qualify. Residency and AB 540 status are determined in Admissions & Records. Students who file a FAFSA or the California Dream Act application (only for AB 540 students) and complete the financial aid process will automatically be considered for the Butte Promise Scholarship and do not have to complete a separate application.

Remedial Course Fee Waiver: Waives enrollment fees for students enrolled in Butte College remedial courses offered on a California State University system campus. Refer to Education Code Section 76300(e)(2). Call Admissions and Records at (530) 895-2361.

K-12 Fee Waiver: Waives enrollment and service fees for high school Concurrent Enrollment, Dual Enrollment, and College Connection students.

California College Promise Grant

The California College Promise Grant is open to all students who are California residents or who have an AB 540 affidavit or AB 1899 affidavit on file with Admissions & Records. The Promise Grant program waives the students per unit Enrollment Fees. The student must still pay service fees including health, transportation, student activity, student records, and technology fees, any books or materials fees required. See *Quick Guide to Butte College Fees* for a complete list of fees.

Qualifying for the Promise Grant

Students who meet the following criteria may qualify:

1. The student is a current recipient of TANF/CalWORKs), SSI/SSP, or General Assistance. Dependent students are eligible if TANF/CalWORKs is the only source of parental income, even if the student is not on the CalWORKs grant.

2. The student has financial need, based upon Financial Aid Office review of the FAFSA or CA Dream Application.
3. The student meets the published annual income standards (available online at **www.icanaffordcollege.com**).
4. The student is a victim of trafficking, domestic violence or other serious crimes as defined by AB 1899.

Applying for the Promise Grant

Students interested in applying for the Promise Grant will be automatically considered by completing the Free Application for Federal Student Aid (FAFSA) at **www.studentaid.ed.gov**. Undocumented AB 540 students will be considered for the Promise Grant by submitting the California Dream Application at **dream.csac.ca.gov**. Students who do not file either may access a PDF version of the Promise Grant application at **www.butte.edu/financialaid.** Click on "California College Promise Grant" under Types of Aid tab at top of page. Victims of trafficking and domestic violence should complete the PDF version.

Maintaining the Promise Grant Eligibility

Promise Grant eligibility may be lost if the student is placed on academic and/or progress probation according to the guidelines set forth in the California Code of Regulations, Title V, Section 58621. Notifications of Promise Grant status will be sent within 30 days following the end of the term that resulted in the probation. Students may file a Loss of Promise Grant appeal form to have their eligibility restored for the term the loss occurred.

Students may lose the Promise Grant if:

- They are on academic and/or progress probation for 2 consecutive primary terms
- They have less than the 2.0 minimum cumulative GPA
- They have not completed more than 50% of attempted units

For more information on the Promise Grant, view the Financial Aid Office website at **www.butte.edu/financialaid**. Click on "California College Promise Grant" under "Types of Aid" tab at top of page.

Butte College Promise Scholarship

The Butte College Promise Scholarship offers up to two academic years of free tuition and fees for all first-time, full-time college students. The Butte College Promise Scholarship will cover any remaining per unit Enrollment Fees and Service Fees for up to four semesters of the students first two academic years at Butte College. The student is responsible to pay for any Miscellaneous Fees required which include books, supplies, or materials fees. See *Quick Guide to Butte College Fees* for a complete list of fees.

Qualifying for the Butte College Promise Scholarship

Students who meet the following criteria may qualify:

1. The student must be a California resident or eligible AB 540 student
2. The student must complete the Free Application for Federal Student Aid (FAFSA) or CA Dream Act application (CADA) and any mandatory verification requirements
3. The student must enroll in and complete 12 or more units with at least a 2.0 GPA per term

Applying for the Butte College Promise Scholarship

Student eligibility will be determined by the Financial Aid office after review of student's academic history, residency status, and final determination of any other scholarship or grant eligibility after the student has completed the financial aid process. Once eligibility is determined, tuition and fees will be waived. No direct cash disbursements will occur.

Standards of Satisfactory Academic Progress for Financial Aid Recipients

In accordance with federal regulations, it is the policy of the Butte-Glenn Community College District to provide financial aid assistance to those need-eligible students who are maintaining consistent progress towards an educational objective. Initial financial aid offers are based on need. Continued eligibility requires meeting the criteria for satisfactory academic progress.

Three standards are used for the assessment of Satisfactory Academic Progress: (1) GPA, or grade point average; (2) Pace, or completion rate; and (3) Time Frame, the maximum length of time allowed a student to reach his/her educational objective. "Making SAP" means meeting all three criteria. Student grades are reviewed against these standards at the end of each semester and summer term (if applicable) and are subject to change.

GPA: 'SAP' Qualitative Standard

Students are required to have a 2.0 minimum cumulative GPA. The GPA will include all aided and unaided terms at Butte College as well as work completed at all prior institutions of higher education. Students with fewer than 18 units (all prior coursework included) are required to have a 1.75 minimum cumulative GPA. Remedial units count when calculating GPA for SAP.

PACE: 'SAP' Quantitative Standard

To be eligible for financial aid, a student must be enrolled in a program leading to completion of a transfer major, an Associate of Arts or Associate of Sciences degree, or a Certificate of Achievement. Pace is the rate at which a student completes requirements for their educational goal. Pace is calculated by dividing the number of cumulative units completed by the number of cumulative units attempted. Students must achieve a fixed percentage of all cumulative attempted (DR grades excluded) toward their educational goal. Remedial units count when calculating Pace for SAP.

For 0 – 17.9 units completed, 50 percent is needed to meet PACE

For 18+ units completed, 66.66 percent is needed to meet PACE

All units on a student's transcript count as attempted units, whether they were completed with a 'W,' were retaken for a better grade, or eliminated from the GPA calculation through the Academic Renewal policy. Note: transfer of credit from schools previously attended will count as both units attempted and units completed.

Time Frame: 'SAP' Quantitative Standard

Time frame is used to determine the maximum number of units for which a student may receive financial aid for their educational goal. Time frame includes transfer units and all unaided terms of

attendance. Remedial units do not count as completed units when determining time frame requirements for SAP.

Associate degree objective: maximum of 90 units

Transfer objective: maximum of 90 units

Certificate of Achievement program: maximum of 45 units

For clock hour programs, maximum must be no longer than 150% of cumulative clock hours required to complete program, as expressed in calendar time. Example: for program that is 40 weeks in length, requires 1200 clock hours and meets 30 clock hours per week, the maximum is 150% of 40 weeks, or 60 weeks.

When A Student Does Not "MAKE SAP"

"Making SAP" means meeting all three criteria: (1) required minimum GPA, (2) required minimum PACE and (3) completing educational goal on record within the maximum time frame allowed. According to federal regulations, if it has been determined that a student cannot mathematically finish their program of study within the allotted time frame, the student will be considered ineligible for financial aid.

'SAP' Statuses

Warning: A status assigned to a student who fails to make SAP for the first time. A student on WARNING status may continue to receive aid for one semester only. WARNING status does not require an appeal or other student action.

Disqualified: At the end of the Warning semester, a student is expected to meet satisfactory academic progress standards. Students who have failed to clear SAP will be Disqualified, notified by email from Financial Aid about their loss of eligibility, and given instructions about an appeal process.

Probation: Financial Aid PROBATION is a status assigned to a student who fails to make SAP, who has appealed successfully, and who has had eligibility for aid reinstated. PROBATION status is reviewed on a case-by-case basis and will not be granted automatically. A student may be placed on probation for one semester only unless the appeal approval stipulates a graduated plan for improvement. Such a plan will not be granted unless it is possible for the student to meet GPA and Pace requirements within the required time frame.

Maximum Timeframe Status (MT): When a student exceeds time frame. Students who exceed the maximum unit time frame for their educational goal will not be eligible for further financial aid. Students disqualified for exceeding time (requirements may submit a Maximum Timeframe Appeal, available in student's **MyBC** Financial aid Self Service Required Documents page. A link to the appeal and instructions will be available for students. Students who are failing to meet GPA and Pace standards will not be approved for a MT Appeal.

In order to maintain financial aid eligibility, if a Maximum Time Frame Appeal is approved, the student may take courses only on that Maximum Timeframe Appeal plan and may not amend the MT appeal plan or submit a later petition. The petition will be considered nullified if the student does not meet GPA and Pace requirements.

Students Who Do Not Make SAP While on Financial Aid Probation or Maximum Timeframe Approved
Students who do not make SAP while on Financial Aid Probation or Maximum Timeframe approved status are disqualified from receiving further financial aid, including loans, and will be unaided until or unless they are able to reestablish eligibility. Reinstatement of eligibility requires achieving SAP standards:

- Minimum cumulative GPA of 2.0
- Minimum completion rate (PACE) of 66.66 percent

Reinstatement will not be automatic and will be reviewed on a case-by-case basis.

Repeated Coursework: Classes that a student is repeating may be included when determining the student's enrollment for financial aid as long as the repeat is not a result of:

- more than one repetition of a previously passed course, or
- any repetition of a previously passed course due to the student failing other coursework required to be taken simultaneously, or
- any repetition of a previously passed course for the sole purpose of gaining eligibility for financial aid.

Students may refer to the financial aid web pages at **www.butte.edu/financialaid** for additional information.

Regulations Pertaining To Loan Eligibility and Satisfactory Academic Progress

Repayment: Repayment of student loans is required by federal law, and begins when a student graduates, drops below 6 units a semester, or withdraws from all their classes. Exit counseling also must be completed at this time. A student loan deferment is in place only when a student is enrolled in six or more units.

Loan Denial: Butte College has the right to reduce or deny loans on a case-by-case basis. Students who did not complete a minimum of 6 units in the prior semester are considered to be high-risk and are subject to a delayed loan application process and request of additional information. A course evaluation is required as part of the loan application process for all high-risk borrowers. These students should plan for a loan application delay as well as the possibility that their request may be reduced, canceled, or denied.

Keeping Your Financial Aid: Continuing eligibility for all types of student financial aid (including loans) requires meeting general eligibility requirements as established by the federal government (see Apply Here at **www.butte.edu/financialaid**). Requirements include: (1) not being in default on a federal student loan or owing repayment of a federal grant; (2) maintaining Satisfactory Academic Progress; and (3) current enrollment in both an eligible Education Goal and Academic Program. Satisfactory Academic Progress includes all aided and unaided courses at Butte as well as work completed at all prior institutions of higher education. Eligible Academic Program and Education Goal are monitored throughout the semester for eligibility to receive federal and state funds.

Return to Title IV: Withdrawal, Refund, Repayment

The Return of Title IV Funds Policy (R2T4) was established by the Higher Education Act and applies to any student who receives federal financial aid, has enrolled in classes, and subsequently either drops courses and/or is reported as an "Unofficial Withdrawal" (FW, No Show) during or after the semester ends. At

Butte College, the R2T4 policy applies to all periods of enrollment: fall semester, spring semester, and summer session.

When a student withdraws from his/her courses, for any reason including medical withdrawals, he/she may no longer be eligible for the full amount of Title IV funds they were originally scheduled to receive. Butte College follows the federally prescribed policies and procedures for calculating whether the student has earned all or a portion of their federal financial aid.

- For an official withdrawal, the effective withdrawal date is the first date of notification by the student to the Office of Admissions and Records, SAS-179. Students should follow the official withdrawal policy as published in the Butte College Catalog, under Drops and Withdrawals.
- A student who ceases to attend without officially withdrawing is considered an "Unofficial Withdrawal." When a student does not follow the official withdrawal procedure and has ceased attending, an effective withdrawal date will be assigned by instructors at the end of the semester with an FW and the last date of attendance.

Calculation of Earned and Unearned Title IV Aid

Both Title IV aid recipients who complete the official withdrawal process or have decided to unofficially withdraw from Butte College, are subject to a prorated calculation of "earned" federal aid based on the withdrawal date and the mandatory return of Title IV funds to the appropriate accounts. Responsibility for repayment of these funds will be shared by Butte College and the student according to the federal formula for prorated refunds of "unearned" Title IV aid.

The complete policy and examples of calculations are available at **www.butte.edu/financialaid**. Under the "Keeping Your Aid" tab, click on "Return of Title IV Funds."

Student Services and Resources

Butte College students have access to a wide variety of services and resources, each of which stands ready to offer valuable assistance in helping to make the most of each student's educational experience.

Admissions and Records

(530) 895-2361 • located in SAS, first floor
www.butte.edu/admissions

The Office of Admissions and Records provides a variety of services to students, faculty, and administration. The office helps students with application submission, residency determination, course registration, fee payment, official transcript and enrollment verification transmittals, transfer credit evaluation and degree conferment. Admissions and Records assists faculty with census and grade reporting. Administration uses the information the Office collects, records, and stores for institutional research, financial reporting, course scheduling, program evaluation, and accreditation. The Main Campus Office of Admissions and Records is open Monday through Wednesday, 8 a.m. to 5 p.m., Thursday 9 a.m. to 5 p.m., and Friday, 8 a.m. to 12 p.m. Students should contact the Chico Center, (530) 895-1352, and/or Glenn County Center, (530) 895-2429, or email **admissions@butte.edu** for information on hours of operation.

Bookstore

(530) 895-2331 • located in the Campus Center, lower level
(530) 879-4369 • Chico Bookstore
www.buttecollegebookstore.com

Textbooks for college courses are sold through the campus Bookstore, which also sells academic supplies, clothing, gifts, snack foods and other items. Check out the bookstore's textbook rental program! The Main Campus bookstore is open Monday through Thursday, 7:45 a.m. to 4:45 p.m., Friday, 8 to 11:30 a.m., but for student convenience maintains special extended hours during the first two weeks of the semester.

Students may order textbooks, course materials, and school supplies online from the comfort of their homes. The bookstore always has the right textbook for Butte College courses, in the right edition, at competitive prices. If students change classes and need to exchange books or need help, the staff at the bookstore is happy to assist. Shopping the College bookstore or website saves time, money, and — most of all — mistakes and aggravation.

A full refund will be given during the first two weeks of the current semester on textbooks purchased for full-semester classes. Short-term classes have a three-day return-for-refund period from the first day of class. A textbook must be returned in the same condition as when purchased. Students must present the cash register receipt with any books, along with a picture ID and schedule of classes, or student ID card. At the end of the semester, the bookstore will buy textbooks back. The best prices are paid at the Bookstore during Finals Week.

Bus Transportation

(530) 895-2352 • Buses load and drop off in front of the SAS building
www.butte.edu/bus

Bus transportation is available to most students attending Butte College. Buses run scheduled routes from major cities in Butte County with routes connecting to Glenn Ride. Bus schedules are available in the Welcome Center, Counseling and Advising, and Admissions and Records – all located on the first floor of the SAS building. The schedule is also available online. The College is committed to providing transportation to disabled students through an integrated transportation system accessible to all students. Students with small children must have proof of enrollment at the Child Development Center before being allowed to ride the bus.

Butte College Dining Services

Campus Dining Center (530) 895-2327 • located in the Campus Center, main level
www.butte.edu/diningservices

Main Dining

- Breakfast and lunch meals cooked to order from the Coyote Grill
- A variety of menu options from our lunchtime daily specials
- Fresh baked pizza from the Pizza Station
- Sandwiches, wraps and other items prepared fresh in our deli
- Salads, snacks and grab-and-go items available all day
- Catering available

Wired Café

- Full coffee bar service, smoothies, bagels and healthy snacks — internet access, too!

Roadrunner Outpost: located in the science building quad

- Coffee, soda, sandwiches and more

Chico Center Café

- Café service, coffee, soda, sandwiches and more

CalWORKs/TANF

(530) 893-7550 • SAS 281

Butte College's CalWORKs program (welfare-to-work) collaborates with County Employment and Social Services agencies to support TANF recipients with their welfare-to-work goals while they participate in pre-approved employment and/or training-related activities. ButteWORKs (CalWORKs work-study employment) is available to those with a welfare to work participation authorization. For information on CalWORKs, contact the CalWORKS office. For information on ButteWORKs, contact the Job Placement Office at (530) 895-2334.

Career and Academic Assessment Center

(530) 895-2511 • located in SAS 110
www.butte.edu/assessment

This Center provides students with a Career and Academic Profile (CAP) including selecting an academic program and goal and placement in English and math courses. The Center provides in-person and online options for completing the Career and Academic Profile throughout the year at various times and locations. Career Counseling and support services are available to help students identify career options. Evaluations of transcripts from other colleges are used to clear prerequisites for a variety of courses at the college. For fee based proctoring services, see **Regional Testing Center**.

Center for Academic Success (CAS)

(530) 895-2386, • Learning Resource Center • CHC 230 (Chico Center) • GCC 105 (Glenn County Center)
www.butte.edu/cas

The Center for Academic Success (CAS) provides many resources to support the academic success of all Butte College students. The focus of CAS is to help students gain learning strategies and study skills they can apply across the curriculum. In addition to offering a friendly, supportive atmosphere and study space, CAS offers a number of academic support services. CAS services are available on main campus, at the Chico Center, at the Glenn County Center, and, on a more limited basis, online. Check-in is required.

CAS offers free tutoring in many subjects. No appointment is necessary. For more information on tutoring and schedules, please call the main campus CAS at (530) 895-2386 or (530) 895-2808. CAS also has a Reading and Writing Center with trained tutors who support students throughout the writing process. Online TIP Sheets with writing resources and various study strategies are available on the CAS website.

CAS also offers free, drop-in Critical Skills Workshops that cover a wide variety of topics to support student success. Students can enroll in a Critical Skills for College Success course, earning ½-unit credit by attending eight workshops and fulfilling specific course requirements (see EDUC 10, 110, and 210). Students can receive one-to-one, individualized Academic Coaching from a Learning Resource Specialist (CAS faculty). Academic Coaching empowers students to become more effective and efficient learners.

Supplemental Instruction (SI) is another academic enrichment program offered in CAS. SI is designed to supplement lectures for specific classes by providing weekly study sessions facilitated by trained student leaders.

Group study rooms in CAS on main campus are available for student use. Rooms can be reserved on a first-come, first served basis. CAS offers computers for student academic use in tutor-supported drop-in labs, located in LRC 224 (inside CAS), CHC 231 at the Chico Center, and GCC 105 at the Glenn County Center. All CAS labs have computer tutors who are specifically trained to support students working on word processing, Internet research, Canvas, Self Service, and other computer applications. Students can access NetTutor for free, online tutoring 24/7. A link to NetTutor is available in most course homepages in Canvas. If you do not see it for your class, you can enroll in EDUC 310 (free) and access this resource via the Canvas page for that course.

Cooperative Agencies Resources for Education (CARE)

(530) 895-2555 • SAS 281 (inside the EOPS Office)

The CARE Program provides support services for single parents receiving cash assistance from the county for themselves or their child(ren). These services include (as funds permit) assistance with child care expenses, a book/supply card, campus meal cards, and gas cards. Students must be eligible for Extended Opportunity Program and Services (EOPS) to be considered for CARE. Interested students enrolled in 12 or more units should apply online through WebAdvisor. Students enrolled in 9-11.75 units should contact the EOPS Office regarding application to the program.

Counseling/Advising Center

(530) 895-2378 • SAS 134
www.butte.edu/counseling

Counselors at the Counseling and Advising Center are available to provide students with a variety of valuable counseling services, including: exploration of their individual interests, abilities, career

and educational choices, scheduling, transfer planning, and resolution of personal issues. Counselors can also assist students by providing essential information concerning Associate Degree and Certificate requirements, college policies and procedures, and by facilitating timely transfer to four year colleges and universities. Counselors also specialize in obtaining information about course equivalencies, requirements at other colleges, and Butte College program requirements and prerequisites. The Counseling Center also offers a variety of services and resources designed to help students choose, confirm or change their career goals and to take action to move them along a path toward pursuing those goals. Unless exempted, all new students will meet with a counselor during Orientation, prior to enrollment. The primary goal of this meeting is to assist students with appropriate course selection. It is essential that all students complete the Career and Academic Profile (CAP) prior to meeting with a counselor and enrolling in classes. New Transfer-in students, who have completed 24 units at a 2.0 GPA are able to register their first term upon completion of an online orientation, but must meet with a counselor to complete a comprehensive education plan prior to registration in a subsequent term. Counselors are also available for personal counseling to assist students in exploring concerns and situations that may be affecting their learning and personal growth. Every effort will be made to help students resolve their difficulties and derive the maximum benefit from their educational experience. Personal counseling is available on a limited basis, and may include referral to other appropriate resources. Counselors are available to meet with students at the Main, Chico, and Glenn County Campuses. Remote counseling appointments are also available through phone and video counseling sessions. More information available on the Counseling website.

Disabled Student Programs and Services (DSPS)

(530) 895-2455 / (530) 895-2599 (TDD) • SAS 238
www.butte.edu/dsps

Disabled Student Programs and Services (DSPS) authorizes accommodations for eligible Butte College students who have either a permanent or temporary disability. Students are responsible for identifying themselves as an individual with a disability, as well as providing appropriate documentation to be eligible for academic accommodations to the DSPS Office. Academic accommodations may include, but are not limited to, specialized programs and instruction, assistive technology, or modifications to existing procedures, programs or facilities. Requests for academic accommodations require the student to meet timelines or procedural requirements established by DSPS.

Extended Opportunity Program and Services (EOPS)

(530) 895-2555 • SAS 281
www.butte.edu/eops

EOPS provides a comprehensive array of services to first generation, low income, and under-represented students. These services include personal, academic and career counseling; priority registration; funding for books; a textbook lending library; a computer lab; a calculator and digital recorder lending program; emergency loans; child care assistance (for eligible students); UC and CSU application fee waivers; and one-to-one tutoring through the POWER Center. Interested students enrolled in 12 or more units should apply online through WebAdvisor. Students enrolled in 9-11.75 units should contact the EOPS Office regarding application to the program.

Financial Aid

(530) 895-2311 • SAS 160
www.butte.edu/financialaid

Students seeking information on financial assistance should check with the Financial Aid Office, as a variety of grants, work-study employment, scholarships and loans are available. Brochures describing financial aid programs are available at the Main Campus office, at the Chico and Glenn County centers, and online. The application is the FAFSA. See **www.studentaid.ed.gov**. Complete information about the financial aid office, types of aid, and more details are available in the **Financial Aid** section of this catalog or **online**.

Foster Kinship Care Education Program

(530) 897-6235 • Skyway Center
www.butte.edu/fosterkinship

The Foster Kinship Care Education Program provides workshops for care providers on discipline, health, community resources, guardianship, and topics such as self-esteem. Pre-service training programs and guardianship clinics are provided monthly for those interested in becoming foster parents and/or need help with the process of obtaining guardianship. Workshops are scheduled throughout the day, evenings and on Saturdays, and are open to the public. There is no charge for the training, but registration is required by calling (530) 897-6235.

Inspiring Scholars Foster Youth Program

(530) 893-7507 • MC 121
www.butte.edu/inspiringscholars

Inspiring Scholars is an academic and social support program for students who have spent time in foster care. Benefits include: dedicated academic counseling, a computer lab, drop-in appointments, help with financial aid, community with other foster youth, mentoring, and free snacks.

Job Placement, Work Experience

(530) 895-2334 • SAS 258
www.butte.edu/jpce

The Job Placement and Cooperative Education Office provides services to help students get jobs. Job Placement assists with part-time, temporary, both off and on-campus, internships and full-time jobs. Check the online **job board** for new, local jobs daily. Job Placement focuses on career-related jobs when possible, and offers workshops and individual assistance with resume writing, cover letter writing, interview preparation and the job application process. In addition, we assist with creating housing resumes, and scholarship applications. Students can get assistance with Financial Aid Work-Study programs, CalWORKs Work- Study (ButteWORKs), and Cooperative Work Experience Education programs. Students interested in seeking employment are encouraged to visit the Job Placement and Cooperative Education Office often. Students are invited to attend one of our

two annual job fairs; one in mid-September and the other the first week of May.

The Career Work Experience is a learning partnership between a student, an employer, and an instructor from the student's major department. Through the Cooperative Work Experience Education Program, students may earn transferable credit for learning while working.

Students learning in a job, which is directly related to their major, may earn from 1 to 8 Career Work Experience units each semester, up to a maximum of 16 units.

Students new to the workforce may earn 1 to 6 units of General Work Experience units each semester up to a maximum of 6. Work Experience, whether paid or unpaid, is a great way to break into an entry-level position, and is looked upon very favorably by employers.

Library

(530) 879-4017 • LB
www.butte.edu/library

The Main Campus Library is located in the Frederick Montgomery Library building (LB). The library has a collection of over 80,000 print books, 60,000 eBooks, and more than 50 databases with access to full-text articles. These resources and many other services, are searchable and available from the Library's website at www.butte.edu/library. Besides library books, a reserve collection of textbooks and other class-related materials, laptops and Wi-Fi hotspots, headphones and calculators are also available for checkout. Interlibrary loan services provide books and articles not owned by the library. Users need a photo ID to borrow all library materials. The Library has 73 computer workstations, including 5 assistive technology stations, all with Internet access and the Microsoft Office Suite. An additional 40 computer workstations are in the Library's instruction lab. The Library offers both black and white and color printing from all computers, as well as copying and scanning.

There are over 100 study carrels throughout the three floors of the Library, as well as five group study rooms on the third floor. DVD viewing stations are on the first floor. A charging station with electrical outlets, phone cords, and comfortable seating is on the first floor.

The Library offers research help, instruction & orientations, online tutorials, instruction videos, citation help, and a 1-unit Library & Information Science course: LIS 11 Research Strategies available both online and face-to-face. Librarians are available during open hours to help with research in person, by telephone, and via email, or any time through online reference chat.

Library at the Chico Center and Support Services
(530) 879-4366 • CHC 219

The Library and Support Services at the Chico Center holds collections of reference books, ESL, and a reserve collection of textbooks, DVDs, and other class-related materials. Circulating books at Main Campus Library can be sent to Chico Center Library for pickup. Faculty can request DVDs for their classes.

Reference librarians provide library instruction, online tutorials, and reference services Mon. – Thur, 10 a.m. to 4 p.m.

DVD viewing stations, smart group study rooms, and computer work stations (including assistive technology stations) with access to the Internet and the Microsoft Office Suite are available. Test proctoring and support for smart classrooms, computer labs, and wireless technology are also available.

New Student Orientation & Reg2Go Program

(530) 895-2511 • Campus Center 145
www.butte.edu/orientation
www.butte.edu/reg2go

New student orientation is designed to help new students successfully transition into college and become familiar with the campus and student services.

The Reg2Go program is designed to inspire, support, and provide the necessary tools to successfully transition local high school students from high school to college.

Queer Resource Center

(530) 879-6143 • SSG -101
www.butte.edu/qrc

The Queer Resource Center (QRC), is designed to provide a safe space for LGBTQ+ students striving to ensure visibility, security and equity. The Queer Resource Center provides the following services:

- Safe student lounge in order to complete homework, meet others in the community and gain access to resources
- Local, national, and global awareness on relevant LGBTQ+ issues and policies
- LGBTQ+ focused workshops and trainings
- Snacks and safe sex materials such as condoms and dental dams
- Community referrals

Regional Testing Center

(530) 879-4318 • RTC (near parking lot 3C)
www.butte.edu/rtc

The Butte College Regional Testing Center (RTC) is a 21-station computer and paper/pencil testing facility located on the Main Campus. Services are available for students and community members and include:

- Proctoring Services (for other institutions and organizations)
- Certification and credential testing
- College Level Examinations Program (CLEP)
- State and professional licensure exams

For career and academic assessment services, see **Career and Academic Assessment Center**.

Roadrunner Hub

(530) 893-7700 • IPA
(530) 879-4373 • CHC146
www.butte.edu/hub

Provides Butte College students with a food pantry, CalFresh outreach, referrals to on/off campus services, sourcing local housing, and assists with the development of rental resumes to have a competitive edge in the local housing market.

Safe Place and Wellness Program

(530) 879-6185 • SSA
www.butte.edu/safeplace • safeplace@butte.edu

Safe Place is a confidential, free, and inclusive resource that provides support and advocacy services to students and staff (clients) who have experienced sexual assault, relationship violence, or stalking incidents. They are open Monday – Thursday, 7:30 a.m. to 5:50 p.m., Friday by appointment. Students are welcome to meet in the community and on our satellite centers by appointment or via Zoom. Services include, but are not limited to:

- Crisis intervention
- Advocacy during on and off campus law enforcement disciplinary investigations as well as Title IX information and accompaniment, help with restraining orders and civil harassment orders
- Support and advocacy for students experiencing harassment in the classroom from other students or instructors
- In-class educational programming focusing on healthy relationships and affirmative consent
- Referrals to outside agencies

School Relations

(530) 895-2511 • SAS 168
www.butte.edu/highschool

School Relations offers many programs and opportunities for students that are still in high school and jr. high school. These opportunities include:

- College Connection
- Concurrent Enrollment
- CTE Transitions
- Dual Enrollment

Student Health Clinic (SHC)

(530) 895-2441 • SHC (near parking lot 3C)
www.butte.edu/shc

The Student Health Clinic (SHC) helps students get well, stay well, and remain in school. The SHC is dedicated to informing, educating, empowering, motivating and healing students. Students are encouraged to take a proactive role in their own health to insure optimal physical, mental, and emotional wellness.

Butte College students can see a medical provider or mental health therapist at no cost. The clinic offers low cost diagnostic testing including lab and imaging services, ordered at the clinic and performed off site. In addition to treating medical needs, the services also include immunizations, screening and treatment for tuberculosis, diabetes, blood borne diseases and illnesses, cardiovascular disease, sexually transmitted diseases, and other disorders can be evaluated, diagnosed, and referred to outside providers. The Student Health Clinic offers mental health services. Common issues bringing students to therapy include anxiety, PTSD, depression, stress, substance abuse, eating disorders, relationship issues and other mental health issues. Pre-Admission physicals and immunization compliance are available for all Butte College programs.

Informational pamphlets are available at the SHC to help students choose a health-insurance plan through the Affordable Care Act or optional, self-purchase through private insurance companies. Claims involving accidents and injuries that occur on campus or during college sponsored activities must be filed through the Student Health Clinic.

SHC hours are from 7:30 a.m. to 12:30 p.m., and 1:30 to 4:30 p.m. Monday through Thursday, and from 8 a.m. to noon on Friday. Patient medical needs and therapy sessions are confidential. Please note: The Student Health fee does not qualify as an insurance policy under the Affordable Care Act.

Student Success Services

(530) 879-6260 • SAS 258

Student Success Services provides one-on-one assistance and referral to intervention support services for students on academic probation and/or financial aid probation. Services are also available for students experiencing food, housing insecurities and/or homelessness.

Services are designed to help students identify and utilize resources to be academically successful at Butte College. Students may self-refer or be referred by faculty and/or staff. Students may also be referred through the College's Early Alert Service.

The Transfer Counseling Center

(530) 895-2264 • SAS 258
www.butte.edu/transfer

At the Transfer Counseling Center, students receive specialized information and counseling regarding their preparation for applying to a university or college in California or out-of-state.

California public universities (CSUs and UCs) require that admission applications are electronically submitted nearly a year prior to transferring. Other admission application dates vary by institution. In all cases, it is very important for a student to meet with a counselor well before their anticipated transfer.

The TCC strives to make your transfer to the college or university system as smooth and seamless as possible. Some popular services we provide include:

- Comprehensive Student Education Plans
- Major-specific and university-specific academic counseling
- Admission application workshops
- Transfer Admission Guarantees (TAGs)
- On-the-Spot-Admission (OTSA) appointments with Chico State and Humboldt State
- IGETC Certification
- Common Application assistance
- Cross Enrollment (with Chico State only)
- Individual appointments and workshops with representatives from Chico State, Humboldt State, UC Davis, and UC Santa Cruz
- The Transfer Academy (UC and out-of-state)
- Transfer Opportunity Program (TOP)
- On-Line Advising

For CSU transfer, Butte now offers 31 Associate Degrees for Transfer (ADTs). The completion of an ADT will make students a higher priority for transfer and will allow them to get an increase in their profile GPA for transfer. Transfer Counselors will help

determine whether a specific ADT is an appropriate option for transfer.

The TCC hosts visits from campus representatives. These representatives are available to meet with students to discuss admission requirements, major-specific questions, information about housing, financial aid, etc.

The TOP program provides a UC Davis outreach staff member to visit the TCC twice a month. Evaluators meet one-on-one and in workshops on the main campus and the Chico Center.

The Transfer Academy assists students in making themselves a priority for admission to the competitive University of California system, as well as to private and/ or out-of-state universities. The Transfer Academy provides workshops, presentations, appointments, advising for Transfer Admission Guarantees (TAGs) and application assistance for its members.

The TCC hosts an annual Transfer Day Fair each fall. Transfer Day attracts representatives from more than 25 public, private and out-of-state colleges and universities.

TRIO Student Support Services (TRIO-SSS)

(530) 895-2440 • SAS 258
butte.edu/trio

TRIO-SSS programs are committed to providing a variety of student-centered educational support services for students. TRIO SSS proudly serves students who are first generation, low-income and/or students with disabilities. Our services include but are not limited to: campus visits; FAFSA assistance; financial literacy; academic advising; assistance with academic accommodations (DSPS students); advising on entering high-demand careers; student skills workshops and more.

UndocuCenter

(530) 895-2817 • SSF 102
www.butte.edu/AB540

The UndocuCenter serves undocumented students and students who come from a mixed-status family household by connecting them to institutional support or community services. The center supports undocumented student population through: Community outreach, ally trainings for faculty and staff, campus events, and direct student support. Our center's programs and activities are designed to increase undocumented student retention, persistence, and completion at Butte College.

Office of Veterans Services

(530) 895-2566 • located in SSC
www.butte.edu/veteransservices

The Butte College Office of Veterans Services works to create a campus that is safe, friendly, and accommodating to students who have served the U.S. Armed Forces. We strive to ensure a positive and rewarding educational experience for all of our veterans and dependent students. Students wishing to apply for Veterans Education Benefits should contact the Veterans Services Office.

Resources Provided:

- Veterans Resource Center with computer access, lounge and study room
- Access to onsite academic counselor
- Assistance with applying and certifying VA education benefits
- Cal-Vet Fee waiver processing for dependents
- Priority registration for veterans, reservist, national guard and active duty members
- Veteran emergency book loan
- Calculators and other equipment available to check out
- Meeting place for (SVO) Student Veterans Organization
- Referrals to on and off campus resources
- FAFSA information and assistance with applying
- Low-cost printing and faxing
- VA work-study participant site
- On campus workshops and events

Welcome Center

(530) 895-2511 • SAS, first floor
www.butte.edu/welcomecenter

The Welcome Center offers many programs and services. Here you will find our campus information, Info Cube, Recruitment & Outreach, and International Program. The Welcome Center is a great starting point for prospective, new, returning and current students. Information and services found within the Welcome Center:

- Butte College Information Packets
- Campus Maps
- Campus Tours by Appointment
- Fax Services
- Lost and found inquiries

Campus Life

College Mascot:
Dash, Roadrunner

College Colors:
Black and Gold

Athletics and Intercollegiate Competition

A wide variety of men and women's sports and intercollegiate athletics are available at Butte College. Intercollegiate sports for men include baseball, basketball, cross-country, football, soccer and track and field. For women, there's basketball, cross-country, softball, track and field, soccer, golf, and volleyball. Butte College is a member of three intercollegiate conferences: Big 8, Golden Valley and the Northern California Football Conference.

The College offers a selection of facilities for both training and competition. The John B. Cowan Sports Complex includes a

stadium which hosts football, a gymnasium for basketball and volleyball, baseball and softball diamonds, an archery range, and athletic fields for various sports. All of Butte College's athletic events are open to the public. Students with Butte College ID cards and current Century Club members are admitted free.

For more information on the athletics program, call the Director of Athletics at (530) 895-2521.

Butte College Art Gallery

The Butte College Art Gallery, located in ARTS 106, generally focuses on local and regional contemporary art. Displays feature media as varied as sculpture, painting, drawing, prints, ceramics, photography, fiber, mixed media, participatory installations and video. In addition, an Annual Juried Student Exhibition and Awards Ceremony honors some of the College's most talented art students. Lectures and demonstrations are often coordinated with exhibitions. All the shows are curated, directed, and publicized by the gallery director with the assistance of students in Art 70, Gallery Production. In addition, The Lobby Gallery on the Main Campus, first floor of the ARTS building, features rotating displays on art and other interesting subjects. For more information, contact Art/Digital Art and Design Department at (530) 895-2404.

Campus Clubs

There are many student clubs on campus representing a diverse set of student interests. Clubs are organized with the aid of a faculty advisor but controlled by the students. Starting a new club is as easy as finding 5 students and one faculty member willing to serve as an advisor. Club information, meeting times, and events can all be found by logging into BC Connect. BC Connect is our new student involvement portal to find and access student organizations. Students may use their regular Butte College log-in credentials to view the full site.

For more information about clubs visit **www.butte.edu/bcconnect** or contact the Student Life Office at (530) 895-2391.

Performing Arts Program

Students who enjoy the performing arts will find plenty to keep them occupied at Butte College. The Music and Drama departments regularly stage musical and theater productions which allow students to showcase their talents. Auditions for these productions are open to both students and community members, making it a true community theater experience. For more information, call the Music and Drama departments at (530) 895-2994.

Speech and Debate Team (Forensics Program)

Offering 13 different speaking events ranging from Dramatic Interpretation to Team Debate, the Butte College Speech and Debate Team (CMST 12 — Forensics) offers something for everyone, including competition at state-wide intercollegiate speech and debate tournaments, and participation at community events. Although this is a required course for the Associate of Arts degree and a recommended course for the Associate in Arts for Transfer degree in Communication Studies, it is also a great place for any student interested in further developing communication, critical thinking, research and socialization skills. All travel costs are covered. Plus, it's fun! For more information about the program, contact Communication Studies Department Chair, Laura Rapozo-Davis at (530) 879-4341, or Director of Forensics, Shannan Troxel- Andreas at (530) 895-2236.

Student Life

The Butte College Office of Student Life is here to encourage student involvement on campus and support student initiatives. We don't separate life from education and know that learning happens both inside and outside the classroom! A successful college career includes social as well as intellectual development. We support the following programs and services on campus:

- Student Government (Associated Students)
- Student Clubs
- Butte College Student Activity Cards
- Student Life Campus Events
- BC Connect, **www.butte.edu/bcconnect**

Visit the Office of Student Life in the Campus Center, first floor, or call (530) 895-2392.

Annual Events

A number of special annual events are held on-campus throughout the year. They include:

Spirit Day: September

Transfer Day: September

Job Fair: September & May

Club Promotion Days: September & February

Campus Sustainability Day: October

Day of the Dead (Dia de los Muertos): November

International Education Week: November

Wellness Fair: March

Decolonize Days: April

Earth Day Celebration: April

Spring Spectacular: May

Campus Safety

The District considers the safety and well-being of its students, faculty, staff and visitors a top priority. With the support of many departments, the College is dedicated to keeping the campus safe and secure. Of course, no college can be totally risk-free in today's society. Students, faculty, staff, and visitors must work together to create an atmosphere that is safe and conducive to learning. This is in compliance with the Crime Awareness and Campus Security Act of 1990.

Butte College Police Department

(530) 895-2351 • Located in the FPM building

The College Police Department is responsible for law enforcement, security and all emergency responses on campus. It is also responsible for providing support services tailored to meet the needs of the campus community. These include:

- Provide parking enforcement
- Register and issue parking permits
- Assist campus motorists with vehicle lockouts, battery jumps, and other minor vehicle problems
- Refer individuals in need of help to the proper campus or county organizations
- Respond to emergency situations
- Assist in medical emergencies and assist Student Health Clinic as needed
- Maintain a lost and found department
- Open doors in emergency situations

The department's ability to function as an independent law enforcement agency enables it to provide a sensitive, measured approach to all situations requiring police assistance, while still maintaining the autonomy of the College. As need arises, the department requests assistance from outside agencies for incidents which require special resources.

College Police officers also patrol the campus with physical plant safety and security in mind. As a regular part of their patrol duties, they look for safety problems such as defective lighting, inoperative doors or locks, broken sidewalks, steps and handrailings, poorly lit areas, and any other problem which might cause concern. All problems observed are forwarded to Facilities Planning and Management in the form of a written work order, or directly discussed with the Director of Facilities Planning and Management. The campus is patrolled 24 hours a day, 7 days a week. Individuals can report criminal activity or other emergencies at any time. Each incident is investigated by a College Police officer, who strives to identify and prosecute criminals, and recover stolen property.

College Police officers are sworn peace officers and comply with section 13522 of the California Penal Code relative to recruitment and training. College Police officers have peace officer authority pursuant to California Penal Code Section 830.32A and Educational Code 72330. They are required to receive the same training as municipal police or deputy sheriff's as mandated by the State of California. College Police officer authority extends to any place in the state for the purpose of performing their primary duty or when making an arrest pursuant to section 836 P.C. for any public offense which poses immediate danger to person or property.

Off-Campus Center Safety

Butte College maintains several off-campus facilities, including the Chico Center, Skyway Center and Glenn County Center. The Butte College Police Department provides primary emergency response to the Chico Center, Skyway Center and the Cosmetology and Barbering Center. Primary emergency response for the Glenn County Center is provided by the Orland Police Department. Any non-emergency criminal activity or suspicious behavior at the Glenn County Center should be reported to the Butte College Police Department.

Access to Main Campus Facilities

Grounds: The Main Campus grounds are open from 5:30 a.m. to 11 p.m. Monday through Friday, 7 a.m. to 5 p.m. Saturday and Sunday, 7 a.m. to 5 p.m. on non-instructional days. The campus is closed on holidays.

Buildings: Main access areas (hallways, lobbies, etc.) are opened by College Police during the week. These main access doors are locked on weekends and holidays.

Campus Driving and Parking Rules and Regulations

1. All California Vehicle Code provisions relating to the use of bicycles, motorized bicycles and motor vehicle traffic upon the highways will be applicable to the traffic on the District property as stipulated in California Vehicle Code Section 21113.
2. No vehicles will be driven or parked on any sidewalk, service road, fields, or grounds. Exceptions may include private, emergency or District vehicles as authorized by the Director of Human Resources, Chief of Police or Director of Facilities Planning and Management.
3. Students and staff will park in the public parking lots only. Visitors may park in the public parking lots, meter spaces marked visitor on Administration Drive, or obtain a visitors parking permit at Facilities Planning and Management or offices located campus wide if there is a need to park in a staff parking area. Vendors may obtain a vendor parking permit at Facilities Planning and Management if there is a need to park in restricted areas.
4. Faculty and staff members may park in the designated staff parking areas by obtaining a staff parking permit. Staff parking permits will be issued one permit per staff and faculty. It will be the responsibility of the employee to ensure their permit is displayed and clearly visible from the outside of the vehicle. The permit should be affixed to the plastic permit hanger and hung from the rearview mirror. Butte College parking permits may be obtained at the Facilities Planning and Management office. Human Resources will provide Facilities Planning and Management an annual updated and complete list of all employees on District payroll which will include employees full name, status and department. This list will be used to determine eligibility for staff parking permit.
5. Only disabled persons will be allowed to park in areas marked by the international physically disabled symbol. Vehicles parked in these areas must display the Department of Motor Vehicles disabled license plate or plaque. Disabled parking spaces on campus will meet the requirements set forth in the Americans with Disabilities Act. Violation for

unauthorized parking in marked disabled parking stall may result in issuance of a citation and fine in accordance with the provisions of California State law.

6. Double-parking is not allowed in any parking area on campus. The meaning of double-parking includes any position a vehicle is parked in which it blocks the exit of another vehicle from a parking space.
7. Special parking permits and reserved parking areas for constructions, facilities services, special events, District vehicles, carpool parking, staff parking, loading zones, disabled parking, etc., will be instituted by Facilities Planning and Management as the need arises.
8. Bicycles, motorized bicycles, skateboards, rollerskates and rollerblades will not be ridden on any sidewalk, roadway or on any public bench, planter, monument or other public or District property owned or under control of Butte-Glenn Community College District. The only exceptions to this procedure are that bicycles and motorized bicycles may be operated on any roadway or parking area where a vehicle could lawfully be operated.
9. Horseback riding will be allowed only in designated areas as identified by the Director of Facilities Planning and Management. Individuals wanting to ride horses on campus or in the horse arena must obtain permission from Facilities Planning and Management through the facility and equipment use application process and obtain a permit from Butte College Police.
10. Carpool parking spaces have been designated on campus. There are requirements for using these spaces.
    1. Register your vehicle at Facilities Planning and Management Office as a carpool vehicle.
    2. Display a valid Butte College carpool parking permit on your vehicle. The permit must be hung from the rearview mirror so that it can be viewed from the rear of the vehicle.
    3. Arrive at campus and park in a designated carpool parking space with at least two people in the vehicle. Carpool permits are ONLY valid in the designated carpool parking spaces.
11. Traffic citations will be issued for violating Butte College driving and parking regulations as set for in the California Vehicle Code. (Regulations are available in the Facilities Planning and Management Office.)
12. Violation of this policy may result in one or all of the following:
    1. A written warning
    2. A written citation
    3. Impounding of equipment

Quick Guide to Butte College Safety

Campus Crime Statistics

Butte Glenn Community College District - ALL Campuses

The Butte College Safety and Security on Campus report, including crime statistics specific to the Main Campus, Chico Center, Glenn County Center, and Skyway Center and Cosmetology and Barbering Center, can be viewed in full online at butte.edu/safety-security.

Reported in compliance with the Jeanne Clery Disclosure of Security Policy and Campus Crime Statistics Act for calendar years 2018, 2019, 2020.

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Crime Classification	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
Murder & Non-negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Sex Offenses: Forcible-Non Forcible	0	0	0	0	0	0	0	0	0	0	0	0
Sex Offenses: Forcible	0	0	0	0	0	0	0	0	0	0	0	0
Sexual Assault	1	2	0	0	0	0	0	0	0	1	2	0
Rape	0	1	0	0	0	0	0	1	0	0	2	0
Fondling	0	2	0	0	0	0	0	0	0	0	2	0
Incest	0	0	0	0	0	0	0	0	0	0	0	0
Statutory Rape	0	0	0	0	0	0	0	0	0	0	0	0
Robbery	0	0	0	0	0	0	0	0	0	0	0	0
Dating Violence	0	0	0	0	0	0	0	0	0	0	0	0
Domestic Violence	0	0	0	0	0	0	0	1	0	0	1	0
Stalking	1	0	0	0	0	0	0	0	0	1	0	0
Aggravated Assault	0	0	0	0	0	0	0	0	0	0	0	0
Burglary	0	0	0	0	0	0	0	0	0	0	0	0
Arson	0	1	0	0	0	0	0	0	0	0	1	0
Motor Vehicle Theft	1	1	0	0	0	0	0	0	0	1	1	0
Crime Totals	3	7	0	0	0	0	0	2	0	3	9	0

Arrests/Referrals for Selected Offenses

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Offenses Type	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
Liquor Law Violations												
Arrests	1	0	0	0	0	0	0	0	0	1	0	0
Referral	0	0	0	0	0	0	0	0	0	0	0	0
Drug Law Violations												
Arrests	0	3	0	0	0	0	0	0	0	0	3	0
Referral	2	6	0	0	0	0	0	0	0	2	6	0
Weapons Possession												
Arrests	0	1	0	0	0	0	0	0	0	0	1	0
Referral	0	1	0	0	0	0	0	0	0	0	1	0

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Hate Crimes	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
as Defined by the UCR	0	0	0	0	0	0	0	0	0	0	0	0
bias (Gender Identity)	0	0	0	0	0	0	0	0	0	0	0	0
bias (National Origin)	0	0	0	0	0	0	0	0	0	0	0	0

**** Column totals are separate figures and not expected to tally.***

Definitions of Clery Act Crimes and Hate Crimes can be found at butte.edu/safety-security, pages 17-20.

[1] **On Campus:** For the purpose of this report, "On Campus" offenses are defined as those offenses reported to the Campus Police Department and occurred within the boundaries of the College.

[2] **Public Property:** For the purpose of this report, "Public Property" offenses are defined as those offenses reported either to the Chico Police Department, the Oroville Police Department, the Butte County Sheriff's Department, or the Glenn County Sheriff's Department, and occurred within the jurisdiction of the respective City or County.

[3] **Non-Campus Property:** For the purpose of this report, "Non-Campus Property" us defined as any other properties not located within the boundaries of the Butte College Main Campus.

Crime Prevention

It is the College's intent to inform students and staff of any criminal activity or security problem which may pose a reasonable threat to their physical safety. Such information will normally be distributed through staff newsletters, in-house memos and bulletins. Students are the main ingredient in the crime prevention recipe, and their efforts help keep criminal activity at the lowest possible level on campus. Students are asked to:

- Report all criminal activity and/or suspicious circumstances to the College Police Department.
- Protect personal property as if it were money.
- Mark personal property with some identification, such as Butte College ID number or driver's license number.
- Do not walk alone at night if possible.
- Do not leave valuables unattended.
- Do not leave personal property in desks or file cabinets unattended unless they are locked.

Reporting Emergencies

- **Call 911**, then immediately call Butte College Police at (530) 895-2351 or COPS (2677) from campus phones.
- Program cell phone to (530) 895-2351

Reporting Crimes and Suspicious Activity

- Call Butte College Police at (530) 895-2351 or COPS (2677) from campus phones.
- Use one of several Emergency phones located throughout the campus. These phones are a direct line to College Police.
- Report in person at the Facilities Planning and Management building, located next to parking lot 1E. After hours a police emergency red phone is available, located next to the Facilities Planning and Management building front door.

College Police

The College Police is located in Facilities Planning and Management **(530) 895-2351**

Student Conduct and Rights

Student Rights and Privileges

The Board of Trustees recognizes that as citizens of the Butte-Glenn Community College District, students are free, individually and collectively, to express their interest. Students of the College are afforded certain rights and privileges, in addition to the freedom to learn. However, these privileges carry with them an obligation to respect the rights and privileges of others, as well as an obligation to abide by rules and regulations set by the College, its various agencies, and its agents.

Academic Honesty

Student integrity is an expectation as well as an essential part of success at Butte College. Students should strive to maintain high ethical standards in their scholarship, as members of the campus community, and in their personal lives. It is critical that students understand this responsibility and that they act with integrity in all their intellectual pursuits. The responsibility to act in an ethical manner is fundamental in the search for knowledge and failure to maintain high ethical standards may result in disciplinary action.

Student Conduct

The Butte-Glenn Community College District believes that each student has an earnest purpose and that students will adhere to acceptable standards of personal conduct. In the development of responsible student conduct, disciplinary proceedings play a role substantially secondary to example, counseling, and admonition. In the exceptional circumstances, when these preferred means fail to produce student acceptance of responsibility commensurate with student freedom, due process shall be observed to protect the student from the unfair and arbitrary imposition of serious penalties. The College has developed procedures for protecting student rights. The rights protected under these procedures include, but are not limited to, those guaranteed by the established rules and regulations of the Butte-Glenn Community College District, the Education Code of the State of California, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973. The Superintendent/President is authorized to suspend any student for good cause for an indefinite period of time as prescribed by code. Inquiries regarding student conduct, rights, and discipline procedures should be directed to the Office of the Vice President for Student Services. Phone: (530) 895-2239 Location: Main Campus — SAS 210.

Administrative Procedure 5500: Standards of Student Conduct.

Administrative Procedure 5520: Student Discipline Procedures.

Administrative Procedure 3400: Nondiscrimination and Prohibition of Harassment.

Administrative Procedure 5530: Student Rights and Grievances.

Grounds for Disciplinary Action

The following categories of behavior constitute good and sufficient cause for disciplinary action. Inappropriate behavior includes, but is not limited to, the following categories:

- **Dishonesty:** This includes cheating, plagiarism, or knowingly furnishing false information to the College.
- **Cheating:** This is the willful and intentional fraud and deception for the purpose of improving a grade or obtaining course credit, and includes all behavior by a student which is intended to gain unearned academic advantage by fraudulent and/or deceptive means. If charges are brought and proved, the consequences are severe, ranging from failure in an individual course to long-term suspension from the College.
- **Forgery:** This includes altering or issuing College documents, records, or identification.
- **Obstruction/Disruption:** This includes obstruction or disruption of teaching, research, computing services, administration, disciplinary procedures, or other College activities, including its public service functions and other College-authorized activities.
- **Physical Abuse** : This includes the physical abuse of any person on College-owned or controlled property or at College-sponsored or supervised functions, or conduct which threatens or endangers the health of any such person.
- **Property Theft/Damage** : This includes printed or software materials of the College, a member of the College community, or a campus visitor.
- **Policy/Regulation Violations** : This includes violation of College policies or campus regulations, including regulations concerning the registration of student organizations, the use of College facilities, or the time, place, and manner of public expression.
- **Alcohol and/or Narcotics:** This includes the use, possession, sale, or distribution of narcotics or other restricted drugs and alcoholic beverages on campus or at College-sponsored activities.
- **Discrimination** : This includes discrimination due to race, color, creed, sexual orientation, age, physical or mental disability, veteran status, ancestry, religion, national origin, marital status, or any other protected characteristic.
- **Harassment** : This includes harassment of a student or employee, and sexual harassment.

Student Disciplinary Action

As defined in **Board Policy 5500**, the Superintendent/ President shall establish procedures for the imposition of discipline on students in accordance with the requirements for due process of the federal and state law and regulations. The purpose of **Administrative Procedure 5500** is to define conduct that constitutes good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student. The purpose of **Administrative Procedure 5520** is to provide a prompt and equitable means to address violations of the Standards of Student Conduct. Board Policy 5500 and **Administrative Procedures 5500** and **5520** provide definitions of misconduct, definitions of disciplinary sanctions, and outlines the disciplinary hearing procedure. Disciplinary action involving students is primarily the responsibility of the Office of the Vice President for Student Services. Inquiries regarding student conduct, rights, and discipline procedures should be directed to the Office of the Vice President for Student Services. Phone: (530) 895-2239 Location: Main Campus — SAS 210.

Student Conduct, Complaint and Grievance Procedures

Grievance or complaint action may be initiated by a student against another student, an instructor, or administrator, or any other District employee, and the College may initiate a grievance against a student. The following list indicates acts that are grounds for grievance: a) Violation of student rights; b) Act or threat of intimidation or harassment by a District employee or by a student; and c) Act or threat of physical aggression by a District employee or by a student.

View **Administrative Procedure 5530**, Student Rights and Grievances, for complaints or grievances involving a violation of student rights.

View **Administrative Procedure 3400**, Nondiscrimination and Prohibition of Harassment, for complaints or grievances involving discrimination or harassment on the basis of any protected class.

Contact the Office of the Vice President for Student Services for assistance with grievances or complaints applicable to the grounds for grievance as listed above in (a), (b), or (c) that do not fall under **Administrative Procedures 5530** or **3400.** Phone: (530) 895-2239 Location: Main Campus — SAS 210.

Student Complaints Regarding an Instructor

Students should attempt to work out a resolution with their instructors first. Student complaints regarding an associate faculty member should be referred to the department chair. Student complaints regarding a full-time faculty member should be referred to the dean for the department. If you are unsure, or don't know if your instructor teaches part-time or full-time, your complaint may be taken to the dean who oversees the department. If you are challenging your grade in a class, please see **"Challenges to Grades"** in the catalog. For students in online courses, please follow this same procedure. For students enrolled in specific programs that have handbooks or manuals, refer to the procedures outlined in those documents as they may differ from this procedure. If the complaint is regarding accommodations for a disability, please contact the Disabled Students Programs and Services Office, SAS 238, (530) 895-2455.

Campus Safety Policies and Resources

Campus Violence

Butte College has a Zero Tolerance policy for threats or acts of violence against members of the campus community. Civility, understanding, and mutual respect are intrinsic to excellence in teaching, learning and maintaining a productive work environment. The College is also committed to providing a safe and healthy campus culture, which serves the needs of its many constituencies. The campus prohibits and will take decisive action to eliminate:

- Verbal or written harassment
- Behaviors or actions interpreted by a reasonable person as carrying the potential for violence and/or acts of aggression such as:
    - Acts which can be interpreted as physical assault
    - Threats to harm someone or endanger the safety of others
    - Threats to destroy or the actual destruction of property
    - Possession of a weapon (Penal Code 626.9 prohibits bringing a firearm, knife or dangerous weapon onto the campus of a public school including a California Community College).

Such conduct is subject to disciplinary action up to and including dismissal from employment, expulsion from Butte College, or civil or criminal prosecution, as appropriate. To fulfill this policy, Butte College will work to prevent violence from occurring and will ensure that federal and state laws, as well as campus regulations prohibiting violence, are enforced. In determining whether conduct constitutes a credible threat or act of violence, the circumstances of the conduct will be considered. It is the responsibility of administrators, faculty, staff, and students to take any threat of violence seriously. Failure to report any threat is subject to disciplinary action. Managers/Supervisors can also be held responsible for civil and personal liability. When confronted by an imminent or actual incident of violence, call 9-1-1 immediately. When presented with a threat of possible violence, action is recommended as follows:

- Threats by a student should be reported immediately to the Butte College Police Department and the Office of the Vice President for Student Services.
- Threats by a staff or student employee should be reported immediately to the Butte College Police Department and the reporting employee's supervisor, who will contact the Office of the Vice President for Student Services for assistance.
- Threats by a faculty member should be reported immediately to Butte College Police Department and the Office of the Vice President for Student Services.
- Threats from others not affiliated as a student or employee of the campus should be reported immediately to Butte College Police Department.

The Mental Health Advisory Committee (MHAC)

The purpose of the MHAC is to proactively identify, assess, and offer a coordinated institutional response to community members (and non-members) who pose a risk to themselves, others and/or the campus community. For more information, contact the Office of the Vice President for Student Services, (530) 895-2239. Information concerning Butte College policies, procedures, and facilities for students and others to report criminal actions or other emergencies occurring on campus may be obtained from Butte College Police Department. The Butte College Annual Security and Fire Safety Report may be obtained from the Butte College Police Department at (530) 895-2351 or, **butte.edu/collegepolice**.

Hate Crime Policy

Butte College will ensure that rights guaranteed by the college, the State and the U.S. Constitution are protected for all people regardless of race, ethnicity/national origin, religious belief, sexual orientation, gender or disability. Any acts or threats of violence, property damage, harassment, intimidation or other crimes designed to infringe upon those rights will be given the utmost priority. Butte College and Butte College Police Department are dedicated to maintaining a cooperative effort with local, state and federal agencies as well as the community we serve toward the

immediate investigation of reported hate crimes and hate-related incidents, and prosecution and/or campus sanctions as appropriate. This policy provides: (a) guidelines for identifying and investigating reportable crimes and incidents and (b) the resources to which victims can be referred for assistance.

Definitions of Hate-Motivated Crimes and Incidents
Hate Crime: Any unlawful action designed to frighten, harm, injure, intimidate or harass an individual, in whole or in part, because of a bias motivation against the actual or perceived race, religion, ethnic/national origin, sexual orientation, gender, or disability of the victim. Hate Incident: Not all expressions of hate or group bias rise to the level of a hate crime as defined in state and federal statute. A noncriminal act or incident, while not criminal, is done with the apparent intention to: harass, intimidate, threaten, retaliate, create conflict, because of a person's race, ethnic/national origin, religious belief, sexual orientation, gender, or disability. Reporting and monitoring of hate incidents is important, as they may serve as indicators of potential threats and/or campus climate that may escalate into criminal acts.

Disclosure of Campus Safety and Security Policies, Crime Statistics

The Annual Security and Fire Safety Report is released by October 1 of each year. The report is in compliance with state and federal crime awareness and campus security legislation, including The Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act and California Education Code section 67380, and Higher Education Opportunity Act (HEOA). Butte College Annual Security and Fire Safety Report includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by Butte College and on public property within, or immediately adjacent to the campus. The report also includes institutional policies concerning campus security, such as the policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. The report also reflects HEOA amendments that specify new campus safety requirements in the following areas: hate crime reporting, emergency response and evacuation procedures, missing student notification and fire safety issues. These disclosures were required beginning with the report due October 1, 2010. Butte College's Annual Security and Fire Safety Report are combined and published as one report. The document may be downloaded or accessed online from the Butte College Police Department web page at, **butte.edu/safety-security**. For more information regarding campus or fire safety or to request a printed copy of the report, contact Butte College Police Department, (530) 895-2351.

Prohibited Harassment

The District shall respond promptly and effectively to all complaints of prohibited conduct, as defined herein, and shall take appropriate action to prevent, correct, and discipline conduct that violates this procedure. This procedure is intended to protect the rights and privacy of the Complainant and the Respondent, as well as other involved individuals. Employees and students who are found to have violated this procedure shall be subject to discipline commensurate with the violation.

Sexual Harassment

Sexual harassment is a form of sex/gender discrimination and, therefore, is an unlawful discriminatory practice. Sexual harassment is unwelcome, sexual or gender-based verbal, written, online, and/or physical conduct.

Sexual harassment creates a hostile environment, and may be disciplined when it is sufficiently severe, persistent, or pervasive that it interferes with, limits, or denies the ability of an individual to participate in or benefit from educational programs or activities or employment access, benefits, or opportunities. In determining whether sexual harassment against a student, faculty, or staff resulted in a sexually hostile environment, the District will consider the conduct in question from both a subjective and objective perspective.

Affirmative Consent

Affirmative consent is conscious, and voluntary agreement to engage in sexual activity. It is the responsibility of each person involved in the sexual activity to ensure that he or she has the affirmative consent of the other(s) to engage in the sexual activity. Lack of protest or resistance does not mean consent. Silence does not mean consent. Affirmative consent must be ongoing throughout a sexual activity and can be revoked at any time. The existence of a dating relationship between the persons involved, or the fact of past sexual relations between them, should never by itself be assumed to be an indicator of consent.

Consent is clear permission by word or action to engage in mutually agreed upon sexual activity. Consent is active, not passive. Since individuals may experience the same interaction in different ways, it is the responsibility of each party to make certain that the other has consented before engaging in the activity. For consent to be valid, there must be a clear expression in words or actions that the other individual consented to that specific sexual conduct. Silence—without actions demonstrating permission—cannot be assumed to show consent.

Affirmative consent can be withdrawn or revoked. Affirmative Consent cannot be given by a person who is incapacitated. A person cannot consent if he or she is unable to understand what is happening or is disoriented, helpless, asleep, or unconscious for any reason, including due to alcohol or other drugs. An individual who engages in sexual activity when the individual knows, or should know, that the other person is physically or mentally incapacitated has violated this procedure.

A person with a medical or mental disability may also lack the capacity to give consent. Because alcohol or other drug use can place the capacity to consent in question, sober sex is less likely to raise such questions. It is not an excuse that the individual responding party of sexual misconduct was intoxicated and, therefore, did not realize the incapacity of the other.

Incapacitation is defined as a state where someone cannot make rational, reasonable decisions because they lack the capacity to give knowing consent (e.g., to understand the "who, what, when, where, why or how" of their sexual interaction). This procedure also covers a person whose incapacity results from mental disability, involuntary physical restraint, and/or from the taking of incapacitating drugs.

Consent to some sexual contact (such as kissing or fondling) cannot be presumed to be consent for other sexual activity (such as intercourse). A current or previous dating relationship is not sufficient to constitute consent. Likewise, consent to engage in sexual activity with one person does not imply consent to engage in sexual activity with another. The existence of consent is based on the totality of the circumstances, including the context in which the alleged incident occurred and any similar previous patterns

that may be evidenced. Silence or the absence of resistance alone is not consent. A person can withdraw consent at any time during sexual activity by expressing in words or actions that they no longer want the act to continue, and, if that happens, the other person must stop immediately. Under this procedure, "No" always means "No," and "Yes" may not always mean "Yes." Anything but a clear, knowing, and voluntary consent to any sexual activity is equivalent to a "No."

Please see **Administrative Procedure 3400** — Nondiscrimination and Prohibition of Harassment. Other Definitions. **butte.edu/community/getting_involved/contacts/trustees/Chapter3.html**

Quid pro quo

Sexual harassment exists when there are unwelcome sexual advances, requests for sexual favors or other verbal or physical conduct of a sexual nature; and submission or rejections of such conduct results in adverse educational or employment action. Reports of sexual harassment should be reported immediately to the District's Title IX Coordinator & Compliance Officer.

Sexual Misconduct

Sexual misconduct includes sexual activity engaged in without affirmative consent. State law defines various violent and/or non-consensual sexual acts as crimes. Additionally, the District has defined categories of sexual misconduct, as stated below, for which action under this procedure may be imposed. The District uses the term "sexual misconduct" to address behaviors like rape and sexual assault. The use of this term is not intended to diminish or minimize a victim's experience but is instead recognition that the District has no authority to determine that a crime occurred. The District does not view sexual misconduct as a lesser form of misconduct than rape or sexual assault. Acts of sexual misconduct may be committed by any person upon any other person, regardless of the sex, gender, sexual orientation, and/or gender identity of those involved. Please see **Administrative Procedure 3400** — Nondiscrimination and Prohibition of Harassment-Sexual Misconduct pg. 6-8 **butte.edu/community/getting_involved/contacts/trustees/Chapter3.html**

The District will respond to all reports and complaints and will take appropriate action to prevent, correct, and discipline conduct that violates this procedure. To report alleged violations, an individual may submit a written complaint to the Title IX Coordinator & Compliance Officer (any protected status except disability). A complaint may be submitted via email to **titleix@butte.edu** or in person at SAS 210 on the main campus.

Sexual Assault Crisis Support

Sexual assaults may be reported to any of the following offices. Butte College is committed to providing survivors with support, options, and resources.

On Campus

- Title IX Coordinator: (530) 893-7487
- Butte College Police Department: 9-1-1, (530) 895-2351
- Safe Place (Confidential): (530) 879-6185
- Student Health Clinic: (530) 895-2441

To Report Sexual Misconduct Contact

- Title IX Coordinator: (530) 893-7487
- Human Resources: (530) 895-2400
- Rape Crisis Intervention 24 hour crisis line: (530) 342-RAPE (7273)

If You Are Assaulted

- It is extremely important for you to seek help immediately by doing the following:
- Get to a safe place and call police or 9-1-1. They will take you to the hospital and make a report if desired.
- To help preserve evidence, do not douche, bathe, change clothing, or remove anything from the location of the assault.
- Call or ask someone to call an advocate from Rape Crisis who can assist you in notifying the appropriate agencies. If you wish an on-campus advocate, call Safe Place (530) 879-6185.

Reporting

Pursuant to the Clery Act, statistics are maintained for sexual assault, forcible and non-forcible sex offenses, and other required crime categories. All employees with significant responsibility for student services are required to report incidents of sexual assault and crimes listed under the Clery Act. If the survivor does not wish to report to Butte College Campus Police, an anonymous and confidential data collection form is available at Safe Place, Vice President for Student Services, Human Resources, and the Student Health Clinic.

Hazing Policy

Participation in any kind of hazing is a misdemeanor. Hazing is defined as "Any method of initiation into a student organization or any pastime or amusement engaged in with respect to such an organization which causes, or is likely to cause, bodily danger of physical harm to any student or other person attending the College."

Smoking Policy

Butte College's Main Campus, Chico Center, and Skyway Center are designated as non-smoking campuses except in designated areas. At the main campus smoking is banned in all undeveloped areas of the campus. Smoking is banned on campus, except in designated areas. At all leased facilities, smoking policy is determined by local government. Butte County Ordinance No. 3039, "Regulation of Smoking in Work Places and Enclosed Public Places," prohibits smoking in all public places and work places. Glenn County Ordinance No. 1011, "Controlled Use of Tobacco Products in Public Buildings and Vehicles," bans smoking in any public place, building, or vehicle. State Health and Safety Code makes it unlawful for any person to smoke in any public transportation vehicle. The bus loading zone is a non-smoking area.

Substance Abuse Policy

In accordance with Public Law 101-226, "Drug Free Schools and Communities Act Amendment of 1989", the Board of Trustees of the Butte-Glenn Community College District prohibits the unlawful possession, use, or distribution of illicit drugs and alcohol by students or employees on Butte College property and as part of any Butte College sponsored or sanctioned activity. Any student or employee who is in violation of this policy is subject to disciplinary action up to, and including, expulsion from Butte College or termination of employment for violations of the standards of conduct. The decision to take disciplinary action in

any instance rests with the Superintendent/President of Butte College. The possession, use, and sale of alcoholic beverages by anyone on Butte College-controlled property is a misdemeanor as per California Business Code 25608 (community college) and a violation of the Standards of Student Conduct. The use, sale or possession of any illegal drug is a violation of state law and any person found in violation may be subject to arrest by federal, state, local, or campus law enforcement authorities. Criminal prosecution is separate from any administrative discipline that may be imposed by the District.

Drug Free Campus Policy Board Statement

The Board of Trustees is committed to providing a drug-free work environment for the students, staff, and faculty of Butte College. This concern with the use of illegal substances and the inappropriate use of alcohol and other controlled substances is demonstrated by using the resources appropriate to each segment of the campus community. The goal is to maximize student and staff potential through the provision of resources which will empower them to make informed decisions about substance use and abuse and enable them to be healthy and productive. The substance abuse committee, made up of faculty, staff, and students, will be a standing committee with the specific task of developing procedures to implement this policy. This committee will be responsible only to the Superintendent/ President and the Board of Trustees.

Disciplinary Actions

Use, possession or distribution of narcotics or other restricted drugs and alcoholic beverages on campus is subject to disciplinary actions.

Legal Sanctions

Drug or alcohol abuse on campus or at college-sponsored functions could result in suspension, expulsion, or criminal prosecution. Students should be aware of these penalties.

- **Possession or use of alcohol:** one year in jail and/or fine.
- **Possession or use of alcohol by minor:** one year in jail and/or fine.
- **Possession of marijuana:** less than 1 oz.: a fine; more than 1 oz.: county jail and/or fine.
- **Possession of cocaine:** imprisonment for one year.
- **Sale of any illegal drug:** imprisonment in a state prison. Students are required to report any convictions within five days of the occurrence. If students are a student employee, their employment may be terminated.Students will be ineligible for financial aid.

Health Risks of Use/Abuse of Drugs and Alcohol

In general, drug and alcohol misuse may cause

- **Impaired performance:** due to drowsiness, poor concentration, memory loss, and indifference
- **Impaired judgment:** leading to accidents, unwanted pregnancy, sexually-transmitted diseases, violent behavior, and financial problems.

Specific risks of drug and alcohol misuse include

- **Alcohol**: lowered resistance to disease ulcers, sexual dysfunction, liver, heart and pancreas damage, brain damage, cancer
- **Cocaine**: depression, seizures, cardiac arrest
- **Marijuana**: lung damage, cardiovascular problems, loss of brain cells
- **MDMA**: degeneration of neurons, brain damage, heart disease
- **Intravenous drug use**: schizophrenia, difficulty with pregnancy, brain and nerve damage, sudden death
- **PCP:** can spread hepatitis and HIV

Alcohol/Drug Treatment and Referral Sources

On Campus

- Counseling Center, (530) 895-2378
- Student Health Clinic, (530) 895-2441

Off Campus

- Alcoholics Anonymous, (530) 342-5756
- Alanon Club, (530) 533-9865
- Butte County Alcohol and Drug Center, (530) 891-2784
- Family Service Association, (530) 891-1731
- Help for Drinkers, Family or Friends, (530) 533-9865, (530) 877-6238
- Narcotics Anonymous, (530) 877-6361
- Northern Valley Indian Health Inc., (530) 534-8440
- Prevention Education Program, Inc., (530) 891-6148

District Policy Statements

Non-Discrimination

Butte-Glenn Community College does not permit discrimination or harassment in its programs and activities on the basis of race, color, national origin, ancestry, sex, gender, gender identification, sexual orientation, disability, age, religion, physical and/or mental disability, medical condition, veteran status, marital status or any other characteristic protected by institutional policy and, state, local or federal law. The College values fairness and equity for all members of the College community. The following individuals have been designated to handle inquiries regarding the non-discrimination policies and Section 504 discrimination:

Curtis Pahlka
Title IX Coordinator & Compliance Officer
Student Administrative Services (SAS) 210
530-893-7487 • titleix@butte.edu

Chris Little
Executive Director-Human Resources
Student Administrative Services (SAS) 344
530-879-4052 • littlech@butte.edu

Peter Gitau
Vice President for Student Services/ADA/504 Coordinator
Student Administrative Services (SAS) 210
530-893-7501• gitaupe@butte.edu

For further information and resources on notice of non-discrimination:
San Francisco Office, Office for Civil Rights (OCR)
U.S. Department of Education
50 United Nations Plaza
Mailbox 1200, Room 1545
San Francisco, CA 94102
415-486-5555 • ocr.sanfrancisco@ed.gov
FAX: 415-486-5570 • TDD: 800-877-8339

Receiving and Requesting Accommodations Under ADA

Butte College shall not discriminate against a qualified individual with a disability because of the disability with regard to employment or provision of District programs, services, and activities. A student who is otherwise qualified may request accommodation related to their disability from the Disabled Student Programs and Services (DSPS) Office located in the Student Administrative Services (SAS) building in room 238 or online through the DSPS webpage: **www.butte.edu/dsps/**. Students may also contact the DSPS Office at (530) 895-2455 for additional information or assistance. The ADA Student Coordinator for Butte College is Peter Gitau, Vice President for Student Services, SAS 210, (530) 895-2239. An employee who is otherwise qualified may request accommodation related to their disability from the Human Resources Office located in the Student Administrative Services (SAS) building in room 344. Employees may also contact the Human Resources Office at (530) 895-2400 for additional information or assistance. The ADA Employee Coordinator for Butte College is Chris Little, Executive Director for Human Resources, Student Administrative Services, Room 344, (530) 895-2400.

Student Right-To-Know and Campus Security Act

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2016, a cohort of all certificate, degree, and transfer-seeking first-time, full-time students were tracked over a three-year period. Their completion and transfer rates are listed Below. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three-year period, from Fall 2016 to Spring 2019. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared '. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five semester period, from Spring 2017 to Spring 2019, are transfer students.

Completion Rate: 32.62 %
Transfer Rate: 10.13 %

These rates do not represent the success rates of the entire student population at Butte College, nor do they account for student outcomes occurring after this three-year tracking period.

Annual reports of criminal activity on campus and procedures for prevention of campus crime, as required by the Crime Awareness and Campus Security Act of 1991 are available under Quick Guide to Butte College Safety, Disclosure of Crime Statistics and, online at **www.butte.edu/safety-security**, or by request from the College Police, (530) 895-2351.

Academic Standards

To aid students in achieving their personal and academic goals, the College has in place certain Academic Regulations that govern the matriculation process and provide guidelines on common concerns, such as how to add and drop classes, applying for leaves of absence, and challenging grades. Any regulations printed in this Catalog may be superseded if the Board of Trustees of the Butte-Glenn Community College District adopts new or revised rulings on the same subject.

The Matriculation Process

Matriculation is a process which brings Butte College into an agreement with a student for the purpose of realizing that student's educational objectives. All students who enroll for the first time in credit courses are matriculants. The matriculation agreement acknowledges the responsibilities of both Butte College and the student to attain those objectives through the College's established programs, policies, and requirements.

The College agrees to:

- Provide an admissions process
- Provide an assessment of career goals
- Provide pre-enrollment counseling/advising and course selection assistance
- Provide assistance in developing a student educational plan
- Provide an orientation to college programs, services, and procedures
- Provide suitable curriculum or program of courses
- Provide quality instruction
- Provide continuous follow-up on student progress, with referral to support services when needed

Students agree to:

- Express a broad educational intent at the time of admission
- Identify a specific educational goal after completing 15 semester units of degree applicable credit coursework. Once the student has developed a specific educational goal, Butte College must provide the student with an opportunity to develop a Student Educational Plan within 90 days after declaration of the educational goal. If the student fails to abide by the terms of their educational plan, Butte College may limit or suspend to the student any services the College normally provides.
- Attend classes and complete assigned coursework
- Confer with counselors/advisers to discuss choices and seek out support services as needed
- Complete courses and maintain progress toward an educational goal

Academic Freedom

It is the responsibility of the Butte-Glenn Community College District to provide an institutional environment that encourages academic freedom and instills respect and commitment to the obligations required to maintain these freedoms.

Academic freedom represents the continual search for truth, and it includes protection for the teacher to teach and for the student to learn without coercion, censorship, or other forms of restrictive interference. Academic freedom recognizes that freedom to teach and freedom to learn imply, both, rights and responsibilities within the framework of the law. Free discussion and free access to information, therefore, are the heart of the continuing search for truth.

Academic freedom is the freedom to discuss all relevant matters in the classroom, to explore all avenues of scholarship, research, and creative expression, and to speak or write without institutional discipline or restraint on matters of public concern as well as on matters related to professional duties and the functioning of the College. Academic responsibility implies the faithful performance of professional duties and obligations, the recognition of the demands of the scholarly enterprise, and the candor to make it clear that when one is speaking on matters of public interest, one is not speaking for the institutions.

Catalog Rights

This Catalog is the student's contract with the college. "Catalog Rights" define the set of graduation requirements a student follows as long as they maintain continuous enrollment as defined in the Continuous Enrollment Section in this Catalog. Degree requirements fall into four categories: major requirements; General Education requirements; competencies; and other college requirements such as residency and grade point average. Category requirements may be fulfilled under different catalog years provided the student is eligible to use the respective catalogs. Eligibility is determined according to the following:

Major Requirements

All major courses must be selected from any one Catalog in effect during the student's most recent period of continuous enrollment.

General Education

A Butte College course may be used to fulfill an area requirement if it is on the approved General Education list at the time the course is taken. A General Education course taken at another college can meet an area requirement when:

- It is determined that the course is equivalent to a Butte College course listed in that area; or
- The course is listed in that area at the College where the course was taken.

Competencies

Competencies may be completed by fulfilling requirements listed in any one Catalog in effect during the student's most recent period of continuous enrollment.

Additional District Requirements

These may be completed by fulfilling those requirements listed in any one Catalog in effect during the student's most recent period of continuous enrollment.

Continuous Enrollment, Leaves, and Attending Other Colleges

Continuous enrollment is defined as attendance in at least one semester at any regionally accredited college or university in each calendar year when a letter grade, P, NP, or a W is received for one or more courses, or a Leave of Absence is granted for that semester. Summer Session courses are not to be considered for the establishment or maintenance of continuous enrollment status. Students who leave Butte College to attend another

regionally accredited college or university retain Catalog Rights and maintain continuous enrollment status, providing there is no break in enrollment as defined above, before returning to Butte College. Students who are granted medical, military, or educational Leaves of Absence are considered to be in continuous enrollment status, and retain their Catalog Rights as outlined above.

AS and AA Degrees

To be eligible for a second Associate Degree, a student must complete any additional required courses for the major and pay any required fee. In addition, if there has been a break in enrollment between the first and second or subsequent degree without an approved Leave of Absence, and the student returns to complete additional major requirements, the Catalog Rights as defined in the Catalog apply. This rule will encompass the Area F requirement and competency requirements. Any exceptions must be approved by the Academic Council. Only one English (or ESL) course below transferable freshman composition may be used towards the Associate Degree.

Academic Achievement

Grade Reports and Transcripts

Grade reports and Unofficial Transcripts are available through students' portal in Self Service. Admissions & Records accepts Official Transcript orders online via Parchment. Parchment charges processing and shipping fees in addition to a Butte College fee. Up to two copies shall be furnished without the Butte College fee. The College charges a fee for each subsequent copy and any copy provided "on-demand" at the Main Campus A&R window. Information about transcript ordering can be found at **www.butte.edu/services/admissions/reqTranscript**. Contact **transcripts@butte.edu** for assistance with transcripts.

Withholding Verifications of Enrollment, Degree Verifications, and Certificates, and Diplomas

AB1313 Higher Education: Prohibited Debt Collection Practices went into effect January 1, 2020. The Bill prohibits any public or private postsecondary school from refusing to provide a transcript for a current or former student on the grounds the student owes a debt. Diplomas, certificates, and verifications are subject to being withheld until the Office of Admissions and Records verifies that the financial obligation is no longer outstanding.

Grade Definitions

Letter grades of A, B, C, D, F, and FW are used to determine the student's Grade Point Average (GPA), while grades such as P, NP, I, W, EW, MW, IP, and RD have no effect on GPA.

Note: Non-degree applicable credit course grades are excluded when determining GPA for awarding degrees.

Letter Grades

The following letter grades may be used to measure student effort:

Symbol	Grade Point Value	Definition
A	4	Excellent
B	3	Good
C	2	Satisfactory
D	1	Passing, not satisfactory
F	0	Failing
FW	0	Failing, ceased participating

P (Pass)

To obtain this grade, the course must be passed at least at the satisfactory level (C or better). Units graded with the "P" symbol are awarded, but are not included in determining GPA. The P/NP grading option is available for most courses. However, certain courses are designated as being graded P/ NP only, or as graded only (A, B, C, D, and F). For a course where no option is available, it is noted in the Catalog description of the course.

NP (No Pass)

To obtain this grade, coursework is not satisfactory, or failing. Units graded with the "NP" symbol are not included in determining GPA. This grade is used in determining progress probation and dismissal.

I (Incomplete)

Incomplete academic work for an unforeseeable emergency and justifiable reason at the end of the term may result in an "I" symbol being entered in a student's record. The condition for removal of the "I" and the grade to be assigned in lieu of its removal is stated by the instructor on the "Incomplete Grade Contract," signed by the student, and submitted by the instructor at the end of each term. The original copy of the "Incomplete Grade Contract" is filed in the Office of Admissions and Records and a copy given to the student by the instructor. A final grade is assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. The "I" may be made up no later than one year following the end of the term in which it was assigned. A student may petition the Academic Council for an extension of time due to unusual circumstances. Units graded with the "I" symbol are not included in determining the GPA. This grade is used in determining progress probation and dismissal.

W (Withdrawal)

The "W" symbol is used to denote withdrawal from a course through the last day of the eighth week of instruction or before 50 percent of an irregular term course has passed. Students are limited to a maximum of 3 withdrawals per course (T-5:55024). Fourth and subsequent withdrawals will result in a grade of FW. Students who do not withdraw prior to the deadline must be awarded a grade other than W. No notation is made on the academic record of a student who withdraws during the first two weeks of instruction of a semester, or during the first 20 percent of an irregular term course. The W grade is not used in calculating grade point average. It is used in determining progress probation and dismissal. Under certain extenuating circumstances, a

petitioning process is available to provide for withdrawal with a W after the deadline.

MW (Military Withdrawal)

The “MW” symbol is used to denote military withdrawal in accordance with Title 5, Section 55024. The symbol is used 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, the “MW” symbol is assigned at any time after the period during which no notation is made for withdrawals. The “MW” symbol is not counted in progress probation and dismissal calculations; toward the permitted number of withdrawals; or as an enrollment attempt. In no case may a military withdrawal result in a student being assigned an FW grade. Students seeking a military withdrawal must submit a copy of their orders to the Admissions and Records Office.

EW (Excused Withdrawal)

Effective Fall 2018, the “EW” symbol is used to denote an excused withdrawal in accordance with Title 5, Section 55024. The symbol is used when a student is permitted through a petition process to withdraw from a course(s) due to specific events beyond the student’s control that affect their ability to complete a course(s). Specific events beyond a student’s control may include: a job transfer outside the geographical region; an illness in the family where the student is the primary caregiver; a student incarcerated in a California state prison or county jail who is released from custody or involuntarily transferred before the end of the term; a student who is subject to an immigration action; or other verified cases of accident, illness or other circumstance beyond the student’s control that make course completion impracticable. The “EW” symbol cannot be used when an incarcerated student fails to complete a course(s) because of the student’s behavioral violation or if the student requested and was granted a mid-semester transfer. Through the submission of substantiating documentation and/or a petition approval process, the “EW” symbol is assigned at any time after the period during which no notation is made for withdrawals. The “EW” symbol is not counted: in progress probation and dismissal calculations; toward the permitted number of withdrawals; or as an enrollment attempt. In no case may an excused withdrawal result in a student being assigned an “FW” grade. Students requesting an excused withdrawal can contact Counseling and Advising, (530) 895-2378. The “EW” symbol may not be assigned to any coursework completed or attempted prior to Fall 2018.

IP (In Progress)

The “IP” symbol is used for those courses that are “in progress,” and that assignment of a substantive grade must await their completion. The appropriate evaluative grade and unit credit is assigned and appears on the student’s record for the term in which the course is completed. The IP grade is not used in calculating grade point average nor in determining progress probation and dismissal.

RD (Report Delayed)

The “RD” symbol may be assigned only by the Office of Admissions and Records. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the student’s control. It is a temporary notation, to be replaced by a permanent symbol as soon as possible. RD is not used in calculating grade point average nor in determining probation and dismissal.

Pass/No Pass Options

Credit courses (all those excluding the ones numbered in the 300’s and 400’s) are graded in one or more ways. Some are graded Pass/No Pass Only and are so stated in the course description. For such courses, unless an I, RD, W, or IP is assigned, the only possible grades are P or NP. Some courses are Graded Only, and are so stated in the course description. For such courses, unless an I, RD, W, or IP is assigned, the only possible grades are A, B, C, D, or F. Most courses are graded optional, that is, the student may opt for a P or NP rather than for A, B, C, D, or F.

If the course description in this Catalog does not state Pass/ No Pass Only, or Graded Only, then the course is optionally graded. This option, however, is subject to the following limitations:

1. For each course, an Election for Optional Pass/No Pass form must be completed and submitted to the Office of Admissions and Records prior to the last day of the fifth week of instruction, or during the first 30 percent of an irregular term course.
2. Unless an I, RD, W, EW, MW, or IP is assigned, the grade awarded is P if the student achieves an evaluative grade of A, B, or C. Similarly, if the student achieves an evaluative grade of D or F, only an NP grade symbol is awarded.
3. A maximum of 8 units optionally graded with the “P” symbol may apply toward an Associate Degree.
4. A maximum of 6 units optionally graded with the “P” symbol may apply toward a Certificate of Achievement.

Once submitted, the P/NP declaration can only be rescinded by successfully petitioning the Academic Council.

Students should make any Pass/No Pass Option elections with due consideration.

Challenges to Grades

To conform to the provision of Section 55025 of the California Administrative Code, Title 5, the determination of the student’s grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetency. All changes or modifications to a student record must be requested no later than three years from the semester in question.

The procedures for challenging a final grade are as follows:

- The instructor must be consulted to determine if the appropriate grade(s) were issued.
- Students who wish to appeal the decision of the instructor must seek resolution with the appropriate dean within 15 school days after meeting with the instructor. The appeal to the dean must be in writing. In the appeal, the student should:
    - Identify the term, control number, course name, course number, and instructor.
    - State the action requested; i.e., change a grade of C to an A, change an I to a grade of C.
    - Provide the reason(s) why they believe this request should be approved. The dean has 15 school days from receipt of the request to provide a written response.

- Final appeal rests with the Vice President for Instruction. The Vice President has 15 days from receipt of the appeal to respond in writing. The Vice President's decision is final.

For complaints about an instructor and grievance procedures, see **Student Conduct** in this catalog.

Scholastic Honors

Semester Honors: Each semester, Butte College recognizes students who have demonstrated a high level of academic performance. Students who have an academic status in "Good Standing" and have completed 15 units of courses numbered 1 through 199 (those graded with evaluative symbols and applicable to GPA computation), including no more than one physical education activity course, may be recognized by having their name placed on the Honors List as follows:

Academic Distinction: Student has a semester GPA between 3.75 and 4.0.

Academic Excellence: Student has a semester GPA between 3.50 and 3.74.

Graduation with Honors: A graduating student whose entire undergraduate coursework reflects an overall cumulative grade point average between 3.50 and 4.0 will be recognized by the inclusion of the notation "with Honors" on his/her permanent record. In addition, if participating in commencement ceremonies, these students will be distinguished by the gold honors cord they will be wearing.

Student Effort

It is generally recognized that to adequately learn the material presented in one hour of lecture, the student should study approximately two hours outside of class. The faculty of Butte College expect this of their students. Therefore, being a full-time student is an honorable profession and requires as much work as full-time employment.

Academic Regulations

The Academic Council

Enforcement, interpretation, and waiving of academic regulations is handled by the Academic Council, which consists of representatives from the College's administration, counseling staff, faculty members, and student body.

The Academic Council may act upon regulations pertaining to the following policies and procedures:

- Academic renewal
- Choice of Catalog
- Course repetition
- Credit by exam
- Degree requirements
- Leaves of absence
- P/NP grading option
- Readmission after disqualification
- Schedule change after deadline
- Special studies/problems
- Unit load limitation
- Withdrawal after deadline

Academic Renewal

Academic renewal allows the College to alleviate or disregard previous substandard academic work when computing a student's cumulative grade point average. The College recognizes that some students accumulate an academic history of poor performance and that such students, on occasion, need a means of tempering their previous academic record so that they may successfully accomplish an academic goal.

In recognition of this need, the College limits such opportunity to only those students who meet the following criteria:

1. At least one year has elapsed since the most recent work to be alleviated;
2. The student must have completed, since the most recent work to be alleviated, at least 15 semester units at 3.00 GPA; or 20 semester units at 2.50 GPA; or 30 semester units at 2.00 GPA;
3. Work to be eliminated is not needed for degree and/or transfer;
4. Work to be eliminated is not reflective of the student's demonstrated ability.
5. A maximum of 20 semester units of course work from any college or university may be eliminated from consideration in the cumulative grade point average.
6. To have substandard grades earned at other colleges or universities excluded from the calculation of the overall GPA, students must first contact the institution where the courses were completed to determine if academic renewal is possible. If the institution where the coursework was completed does not have established policies and procedures for academic renewal, then students may petition the Butte College Academic Council to have the substandard grades from that institution excluded from overall GPA calculations. Documentation supporting an institution's inability to grant academic renewal must be submitted with students' petitions.

The Academic Council evaluates each petition on an individual basis. Any extenuating circumstances which contributed to the substandard work, such as acute medical problems, family problems, or other personal problems, must be discussed on the petition.

Attendance

Regular attendance in all Butte College courses is crucial to doing well. Attendance is taken during the first two weeks of regular term courses, and a student will be dropped for lack of attendance in order to accommodate others seeking to add. Dropping a class is the student's responsibility, although an instructor may choose to drop a student for unsatisfactory attendance. After the eighth week, students receive a letter grade for the class unless they can demonstrate a serious and compelling reason for their withdrawal. Specific instructors' attendance policies are included in the course syllabus, along with the drop date in short-term or irregular courses. Roll is taken for all positive attendance courses. See a counselor for more information on dropping or withdrawing from classes.

College activities such as athletic events, student government conferences, music festivals, field trips, and similar sanctioned activities are approved instructional activities. However, this should not be interpreted to mean that a student is excused from

class assignment. It is the student's responsibility to consult with each instructor prior to the absence to clarify what work must be done for each class and the deadline for completion of the work to the instructor's satisfaction.

Attendance for Online Courses

Consistent participation is required in online courses. Students need to keep up with assignments from week to week. If a student does not participate or shows an unacceptable level of participation as determined by the instructor, the student can be dropped from the course. This could affect the student's participation in extracurricular activities, access to various student service programs, and eligibility for financial aid. The syllabus for each online course provides the instructor's procedures regarding attendance and participation.

Online Attendance: a) Students must access their online courses within the first day of class or they can be dropped as a "no show." b) Regular participation is the only means to document attendance in an online course. If a student fails to participate regularly, as determined by the instructor, the student will be dropped for nonattendance during the first two weeks of regular term courses in order to accommodate others seeking to add. An instructor may also choose to drop a student by the end of the eighth week due to lack of participation.

Attending the First Day of Class

Because many students attempt to add classes after classes begin, instructors may drop as "no shows" those students who do not attend the first class session in order to make room for others. If a student can't attend the first class meeting but does not wish to be dropped, they are advised to call the department secretary or off-campus center where the class is being held, or bring a note to be placed in the instructor's mailbox before the first class session begins. The note should explain the student's situation and request that the instructor not drop them from class. Doing this does not guarantee the student won't be dropped.

Auditing Courses

Under certain circumstances, as provided in Board Policy No. 4070, certain courses may be taken on an audit basis. Auditing is subject to the following limitations:

1. An Application for Audit, approved by the instructor and appropriate Instructional Dean or their designee, must accompany the student's approved add authorization.
2. Any authorized fees must be paid. Audit fees are non-refundable.
3. A student who enrolls on an audit basis is not awarded a grade or credit. An auditing student's coursework is not graded. Instead, the notation "AU" appears on the transcript of record appropriate to the course or courses thus enrolled.
4. A student who plans to attend a course or courses on an audit basis is permitted enrollment provided space is available and the auditing student's enrollment does not impact the classroom of regularly enrolled students.
5. A student attending a class on an audit basis is disenrolled to provide room for regularly enrolled students when necessary.
6. Students enrolling on an audit basis must declare so at the time of enrollment into the course and the registration must be completed prior to the audit deadline. Once declared, it cannot be reversed.

Credit by Examination

After satisfactorily completing 12 units of resident credit at Butte College, a regularly enrolled student may be permitted to obtain credit by examination in subject fields in which they are especially qualified through previous training or experience for which credit or advance placement has not been given. Credits earned through Credit by Examination may only be awarded for classes listed in the Catalog.

The examination shall include written, oral or skill tests, or a combination of all three types, and will be sufficiently comprehensive to determine that the student has essentially the same knowledge and skills as those students who successfully complete the course as a result of regular course enrollment. The examination must be administered prior to the last day of final examinations.

Procedures and Limitations

1. Students may not challenge a course until they have completed 12 units of study at Butte College.
2. Students may not challenge a course unless they have a minimum cumulative grade point average of 2.0.
3. Students may not challenge prerequisite courses after completing advanced level courses.
4. A maximum of 9 units may be challenged. However, three courses may be challenged, even though the third course may exceed the 9 unit limit.
5. Students petitioning for credit by examination must be enrolled in the course and in good standing. Attendance shall not be counted for state apportionment purposes (FTE).
6. Students may not petition a course for which they have received previous high school or college credit.
7. Instructors assign an appropriate grade according to the grading system.
8. Transcript entries shall be clearly annotated to reflect that credit was earned by examination.
9. Courses to be petitioned are determined by a counselor, the appropriate instructor, and appropriate administrator at the time of petition. The petition for credit by examination must be approved prior to the fifth week of instruction each semester.
10. Exceptions and appeals to this policy shall be referred to the Academic Council.
11. Credit earned by examination cannot be used to satisfy the 12 units in residence required for the Associate Degree. This limitation is not subject to waiver.
12. Students must be in good standing. This limitation is not subject to waiver.

Drops and Withdrawals

Students may drop classes during the first two weeks of instruction of a 17-week semester, or the first 20 percent of an irregular term course, and not have the class appear on their transcript. Students may withdraw from classes during the third through eighth weeks, or first 50 percent of an irregular term course, and have a W grade appear for the class on their transcripts. See W (Withdrawal) in the Grade Definition section of this catalog for limitations on withdrawals. To withdraw from a class between the eighth and twelfth weeks of a 17-week course (50-75 percent), students must identify and request a drop for a "serious and compelling" reasons (see definition below) from the course instructor. If eligible, the instructor must complete and

submit the “serious and compelling” drop form to the Office of Admissions and Records for processing. The late withdrawal is then granted.

“Serious and Compelling Reasons”

The following may reasonably be defined as “serious and compelling”

- An extended absence due to a verifiable accident, illness, or personal problem; for example, a one or two week absence with a doctor’s written excuse;
- An extended absence due to a death in the family. This applies to absences exceeding a week due to family affairs that must be attended to by the student;
- A necessary change in employment status which interferes with the student’s ability to attend class. This change in status must be verified in writing by the student’s employer;
- Other unusual or very special cases, to be considered on their own merit.

The following situations would not fall under the intent of “serious and compelling”

- Grade anticipated in class not sufficiently high or student is doing failing work;
- Failure to attend class, complete assignments or take a test;
- Dissatisfaction with course material, instructional method or instructor;
- Class is harder than expected;
- Pressure of other classes, participation in social activities, or simple lack of motivation;
- A change of major.

Withdrawal from All Classes

Students who need to withdraw from all their classes after the withdrawal deadline may have an exit interview with a college counselor. With the counselor’s signature, permission may be granted for students to withdraw late from all their classes. Prior to granting late withdrawals for students enrolled in specialized vocational programs (e.g., Nursing, Law Enforcement Academy, etc.), counselors will contact the respective departments regarding the students’ status.

Withdrawal from Classes During the Final Four Weeks

During the final four weeks of instruction a W or EW can be assigned only when the need for withdrawal is due to circumstances beyond the student’s control, such as an accident or serious illness, and an assignment of an “Incomplete” is not practical. The student must obtain the instructor’s signature and last date of attendance on an Academic Council Petition and submit the petition to the Counseling and Advising Center. If a student is unable to complete the paperwork the Counseling and Advising Center will assist with the process. The student must submit all documentation of the respective accident, serious illness, death, change in employment status, or other extenuating circumstance with the completed Academic Council Petition.

Excused Withdrawal

Students seeking an excused withdrawal or “EW” must see a counselor to complete an Academic Council Petition. See “EW (Excused Withdrawal)” in the Grade Definitions section of this catalog.

Dropping/Withdrawing From Short-term Classes

Students may drop with a DR grade through 20 percent of the course, and a W grade through 50 percent of the course. A “Serious and Compelling” reason is needed to withdraw 50 to 75 percent through the course. The Academic Council must approve withdrawals after 75 percent of the course has passed.

Enrollment Status

Students are responsible for making sure they are officially registered for their courses. Should an instructor not have proof of enrollment, the student is not admitted to class and must clear their status with the Office of Admissions and Records. Students may be dropped from courses if they fail to appear on the first day of instruction, unless they have made prior contact with the instructor. However, dropping a class is the student’s responsibility.

Final Examinations

Final examinations are given in all courses. Students are personally responsible for taking all assigned final examinations as they are listed on the final examination schedule. Final examinations will not be given in advance of the scheduled time. Exceptions may be granted by the instructor for compelling reasons. This request must be submitted prior to the scheduled final examination week.

Leaves of Absence

There are two types of approved Leaves of Absence: those interruptions which are involuntary (medical and military), and those interruptions which are voluntary (planned educational leave).

There are two major benefits to a student taking a Leave of Absence. First, the student may be absent from the College without losing rights to specific degree and General Education requirements under an earlier, and usually more advantageous, set of requirements. Secondly, the student remains eligible to participate in Continuing Student Registration upon returning to college.

A student must have a “term of enrollment”, indicated by a letter grade, W, EW, MW, I, P, NP, or 300 level courses only on the official transcript, for the prior term to be eligible for a leave of absence for the requested term. Students enrolled only in Summer or Winter sessions are not eligible for Leaves of Absence.

Students subject to disqualification or dismissal due to academic deficiencies or disciplinary action are not eligible for Leaves of Absence. There is one exception: disqualified students readmitted immediately or readmitted after one term retain Catalog Rights.

Medical Leave

Requests for a medical Leave of Absence must be accompanied by a statement from a health care provider explaining why the student must interrupt enrollment. Three years absence is the maximum allowed, except that leaves for pregnancy are restricted to the term of delivery and one year following, unless verified medical circumstances indicate a longer time is required for recuperation.

Military Leave

Requests for a military Leave of Absence must be accompanied by a copy of military orders indicating entry date. One year absence is the maximum that can be approved. Military withdrawals shall not be counted in Progress Probation and Dismissal calculations. Catalog Rights are retained with military withdrawal, MW grade designation. See “MW (Military Withdrawal)” in the Grade Definitions section of this catalog.

Planned Educational Leave

A Planned Educational Leave of Absence is defined as a planned interruption or pause in a student’s regular education, during which they temporarily cease formal studies at Butte College to pursue other activities that contribute to their particular educational goals and objectives.

Such activities may be for the purpose of clarifying or enriching educational goals, and may include travel for educational purposes, on the job experience in the area of vocational or educational opportunities, or undertaking expanded responsibilities in an activity related to their educational or career goals. The student must plan to return to Butte College at the end of the leave.

Planned interruptions may also be granted to allow the solution of personal problems and thus enhance the prospect of successful completion of the student’s academic program. The maximum duration of Planned Educational Leaves is one year. Such a leave does not jeopardize the rights and privileges normally associated with continuous enrollment.

Filing for a Leave of Absence

Petitions for Leaves of Absence may be obtained from the Counseling and Advising Center, and should be filed in advance of the interruption in enrollment. The Academic Council is authorized to approve, deny, or modify such petitions. Medical and military leaves may be considered retroactively if supported by individual circumstances, but Planned Educational Leaves cannot since they constitute an agreement or “contract” which must be set in advance. Students who do not return to Butte College at the conclusion of their planned leaves are considered to have withdrawn from the College at the end of their last term of regular enrollment at Butte College.

Renewal of Leave

Renewal of Leave of Absence may be requested through the Academic Council.

Probation, Dismissal and Reinstatement

Probation

Beginning with the 1981 Fall semester, all Butte College students were accorded good standing, and any probationary status became clear. Since then, students are placed on probation according to the guidelines below. After the conclusion of each fall and spring semester, students who have earned probationary status are notified by mail. This notification instructs students to enroll in certain courses, attend various workshops, and utilize tutoring and counseling services to immediately improve academic standing. Students in probationary status are responsible for improving and maintaining satisfactory academic standing.

Academic Probation: A student is placed on Academic Probation when their cumulative GPA is less than 2.0 in all units attempted that semester. Academic Probation in dismissal status commences during the semester that at least 12 cumulative units have been attempted.

Progress Probation: A student is placed on Progress Probation when 50 percent or more of all the units attempted that semester are graded with the symbols “W,” “I,” and/or “NP.” Progress Probation in dismissal status commences during the semester that the student has enrolled in at least 12 cumulative units.

EW (Excused Withdrawal) and MW (Military Withdrawal): Neither EW or MW symbols are counted in probation and dismissal calculations.

Removal from Probation: A student who has been placed on probation is removed from this status when:

1. The Grade Point Average (GPA) in all units attempted at Butte College is greater than or equal to 2.0
2. The percentage of all units attempted at Butte College graded with the symbols “W,” “I,” and “NP” is less than fifty percent (50 percent).

Dismissal

At the end of each fall and spring term, students on probation are dismissed when one or more of the following conditions apply:

1. The student has been on Academic Probation for three consecutive semesters
2. The student has been on Progress Probation for three consecutive semesters
3. The student has been on a combination of Academic and Progress probation for three consecutive semesters

For purposes of this section, semesters shall be considered consecutive on the basis of the student’s enrollment, so long as the break in the student’s enrollment does not exceed one full primary term. Students are notified of their dismissal from the College by email, and urged to confer with a counselor immediately. Butte College dismisses students at the conclusion of each spring and fall term after 3 semesters of probation.

Students placed in dismissal status may be required to sit out for a period of up to one year according to the guidelines set forth below.

Students who have demonstrated improvement in their academic standing in the third probationary semester prior to dismissal will be placed in dismissal status; however, these students will:

- Not be subject to a sit out period
- Will be automatically granted reinstatement
- Will not be dropped from any classes in which they have enrolled in the subsequent term

Demonstrated improvement in academic standing in the third probationary semester prior to dismissal is defined as:

- GPA of 2.0 or better in that semester; and/or
- 51 percent or more units attempted that semester have been completed

Students who have not demonstrated improvement in their academic standing in the third probationary semester prior to dismissal will be placed in dismissal status and:

- Be required to sit out one semester and attend a workshop sponsored by Counseling and Advising for a 1st dismissal
- Will be granted automatic reinstatement when the sit out period is completed
- Will be dropped from any classes in which they have enrolled in the subsequent term

Lack of demonstrated improvement in academic standing in the third semester prior to dismissal is defined as:

- GPA of less than 2.0 in that semester; and/or
- Less than 50 percent of units attempted that semester have been completed

Students placed in dismissal status for a 2nd or subsequent time, without one of the appealable circumstances described, will be required to sit out for one year. Students placed in dismissal status for a 3rd or subsequent time must submit a petition to the Academic Council to be readmitted. For assistance in submitting an Academic Council petition, contact Counseling and Advising at (530) 895-2378.

Students challenging the probation and dismissal procedures outlined above or Academic Council decisions may appeal to the Dean of Student Services at (530) 895-2517.

Appealable Conditions: Students with a documented catastrophic injury, illness or other medical condition or an extenuating, non-recurring circumstance beyond the student's control may petition the Academic Council prior to the end of the third probationary semester. If approved by the Academic Council, these students will be placed in dismissal status; however, these students will:

- Not be subject to a sit out period
- Will be granted reinstatement
- Will not be dropped from any classes in which they are enrolled in the subsequent term

Veterans Satisfactory Academic Progress: The policy of the Office of Veterans Services is to provide guidance and to ensure students maintain consistent progress towards an approved educational goal. Schools are required by law to have and enforce standards of progress and conduct in order for their school to be approved for VA benefits. It is the responsibility of all VA educational aid recipients to understand the terms and conditions of the VA Satisfactory Academic Progress (VASAP) Policy in order to maintain eligibility for aid.

Standards
There are three standards used for the assessment of SAP:

1. A minimum cumulative grade point average (GPA) of 2.0
2. Completion of at least 50 percent of units attempted eachsemester
3. A combination of the above

Student progress is reviewed at the end of each semester according to these standards

Under this policy it is possible that a veteran or dependent's VA educational benefits could be suspended due to unsatisfactory progress while they are still technically in a probationary status with the College and allowed to continue in attendance. Any questions regarding this policy should be directed to the Office of Veterans Services at (530) 895-2566.

Repeating a Course

1. Certain courses are designated as repeatable. Course descriptions located in the back of this Catalog identify repeatable courses and list the number of times a course may be repeated. Unless otherwise specified in the Catalog, students may enroll in repeatable courses up to 4 times. Under certain conditions up to two substandard grades may be alleviated by filing a petition with Counseling. Enrollments resulting in grades of A, B, C, D, F, FW, P, NP, or W count as an attempt.
2. Certain courses are designated as non-repeatable and may be taken and completed with a C or P grade or better one time. Should a student receive a substandard grade of D, F, FW, NP, or W, a second attempt will be allowed automatically. If a second attempt results in a substandard grade, a third attempt may be approved by Counseling and Advising. In these circumstances, the first two substandard grades will be alleviated. If a third attempt results in a substandard grade, an additional attempt will not be allowed.
3. Neither an EW (Excused Withdrawal) nor an MW (Military Withdrawal) count toward the permitted number of withdrawals or as an enrollment attempted.
4. Courses designated as variable unit may be repeated an unlimited number of times until the student completes the entire curriculum, as listed in the course Catalog one time. Under certain conditions up to two substandard grades may be alleviated with approval from Counseling and Advising. Students may repeat the course or any portion thereof in order to alleviate up to two substandard grades.

Additional aggregate limitations may apply to these provisions when physical education, visual arts or performing art courses are designated as "active participatory courses" and are part of a "family" of courses with a similar primary educational activity. In these courses, students are limited to four aggregate semester enrollments. Withdrawals and substandard grades are included in determining the aggregate number of enrollments.

Additional repetitions may be approved by the college. See admissions webpage available at

www.butte.edu/admissions for information on course repetition.

Note: Under all circumstances, where subsequent attempts of a course alleviate the grade and credit awarded under a prior attempt, the student's academic record will be annotated in a way in which all coursework will remain legible.

Revision of Regulations

Any regulations adopted by the Butte-Glenn Community College District Board of Trustees will have the same force as a printed regulation in the Catalog and will supersede upon promulgation by posting on official bulletin boards and announcement in any publication, any ruling on the same subject which may appear in the printed Catalog or other official bulletins of the College.

Special Studies/Problems

Special Studies/Problems courses provide an opportunity for students to carry out a supervised individual field, laboratory, or library research project in a subject area relevant to their major and are designed primarily for students studying in areas not covered by the College's curriculum. Any student interested in registering for a Special Studies/Problems course should contact

a full-time instructor in the appropriate area no later than the last day of the tenth week of instruction.

Enrolling in Special Studies/Problems

1. When a full-time instructor works with a student to fill out a Petition for Special Studies/Problems, the full-time instructor is to ensure that it is completely filled out before approving the request. The student's ID number, the units for the project, and the units completed at Butte College (which must be at least 12) must appear on the form and the Objectives and Procedures must be explicit, including associated hours.
2. Full-time Instructors may only authorize Special Studies/Problems petitions that fall within their teaching discipline. A maximum of four student projects per semester per full-time instructor may be approved.
3. The Special Studies/Problems petitions must be confined to the student's major.
4. The student will take the Special Studies/Problems Petition to the area department secretary for review of required elements and attachment of necessary backup documentation needed for dean/director approval.
5. Department secretary or student will take the Special Studies/Problems Petition and backup documentation to the area dean/director for review approval.
6. Petitions shall be reviewed by the area dean/director with the intent of Special Studies/Problems in mind. The area dean/director shall carefully evaluate the number of units being given for the project. If any questions exist, the dean/director reviews the matter with the full-time instructor and makes any necessary corrections.
7. After the dean/director reviews and approves the Special Studies/Problems Petition, it will be returned to the area department secretary. The department secretary will acquire a control number from the Scheduling Center and write it on the petition.
8. The department secretary will give the student the original copy (white) and pink copy of the petition. The student will retain the pink copy. The department secretary will return the yellow copy to the instructor.
9. The department secretary will give the student an add card to complete. The student needs to take the original copy of the Special Studies/Problems Petition to the full-time instructor to verify the petition has been approved by the area dean/director. The full-time instructor may now sign the add card.
10. The student will take the completed original (white) copy of the petition and the completed add card to Admissions and Records for appropriate enrollment.
11. The instructor is required to maintain a record of each contact made with the student; namely the date, beginning and ending times, and a brief notation of what was discussed.
12. Upon completion of the project, the instructor submits a grade justification sheet, this may be in the form of a narrative summary, to the area department secretary. The department secretary will submit the grade justification sheet to the Office of Instruction.

Limitations on Special Studies/Problems

1. Units are assigned on the basis of one unit of credit for each three hours of work per week.
2. A maximum of 3 units may be taken in any one semester.
3. A maximum of 3 units may be taken for credit in any given subject area.
4. Grades are assigned according to the college grading policy.
5. Students may not petition for a Special Studies/Problems course until they have completed satisfactorily 12 units of study at Butte College.

Unit Load Limitations

A normal course load is 12 to 16 units. A student wishing to take over 21 units during a seventeen-week semester, or 4 units during a winter session, or 10 units total in summer session must petition the Academic Council. The petition must be approved prior to enrollment into units/courses that are in excess of the unit limitation. Excess unit petition forms are available in the Counseling and Advising Center.

Alternative Degree Credits

Acceptance of Transfer Credit

Students who have attended other colleges or universities may transfer credit to Butte College. Transfer credit may be counted toward Associate Degree, Certificate, or General Education requirements if completed at a Regionally Accredited Institution. Students who submit official transcripts from other colleges and universities must request to have them evaluated by submitting a Transcript Evaluation Request form to the Admissions and Records Office. Transcripts from other institutions will not be evaluated unless the student has previous or current enrollment at Butte College. Information about the transcript evaluation process is available online at **www.butte.edu/services/admissions/evalProcess.html**.

International Evaluations

Students who wish to transfer coursework taken outside the United States must obtain a transcript evaluation from an approved credential evaluation service prior to being submitted to the Admissions & Records Office. The evaluation must include a U.S. course-to-course evaluation indicating the level (upper & lower division) for each course. A list of approved agencies is available online at **www.naces.org**.

Veterans (Advanced Standing)

Upon presentation to the Office of Admissions and Records of discharge papers (D.D. Form 214) verifying one or more years of satisfactory service in the United States Armed Forces, veterans receive 6 units of unassigned elective credit. Veterans may receive additional credit or advanced placement for work satisfactorily completed under the training program of the armed forces. Interested students should check with a counselor regarding credits for military training; however, students in the six-month Reserve Training program are not eligible for this credit. This is in accordance with the recommendation of the American Council on Education, issued September 1968.

Students who wish to transfer credit from a service school or other special institution may apply for acceptance of these credits towards the Associate Degree. After completing a minimum of 12 units with a grade point average of 2.0 or above at this college, students should apply through a counselor.

For more information regarding veterans' educational benefits, call the Office of Veterans Affairs at (530) 895-2566.

Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate (IB) Exams

Butte College awards credit for successful completion of AP, CLEP, and IB exams. Students must submit official score reports for specified tests to the Career and Academic Assessment Center. Credit awarded may be substituted for coursework applicable to degree and certificate requirements, and also may be used for transfer to four-year colleges and universities subject to limitations imposed by those institutions. For more information, call the Career and Academic Assessment Center at (530) 895-2511.

Unit Limitation on Alternative Degree Credit

Since units awarded for successful completion of Advanced Placement examinations, CLEP and CSU English Equivalency Examinations, constitute credit by examination, such units shall not be counted in determining the 12 semester units in residence required for an Associate Degree.

Exam Scores

Advanced Placement (AP) Test Scores

- Use of AP Test Scores for Butte College Credit and GE determined by BC Policy. Use of AP Test Scores for IGETC determined by BC and IGETC Policy.
- Use of AP Test Scores for CSU GE Certification determined by CSU Policy.
- Students may earn credit for Advanced Placement (AP) Tests with scores of 3, 4 or 5. AP credit can be used to meet IGETC, CSU GE and AA general education (GE) and/or major requirements.
- Students must have official College Board AP exam results sent to the Career and Academic Assessment Center (no hand carried copies will not be accepted). All “Units” are semester units unless otherwise indicated.
- Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.
- If no Butte College course equivalency; credit for the major may be granted via waiver/substitution petition submitted to the department.

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
AP Exam	**Butte GE Area & Course (See note above)**	**Semester Units**	**CSU GE Area**	**CSU GE Units Earned**	**CSU Transfer Units Earned**	**IGETC GE Area**	**IGETC GE Units Earned**	**UC Transfer Units Earned**
Art History	Area C: ART 2 ART 4	6	C1 or C2	3	6	3A or 3B	3	5.3
Studio Art — 2D Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art — 3D Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art — Drawing	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
AP Studio Art Limitation								*maximum 5.3units total for 3 exams
Biology	Area A: BIOL 1	6, Only 4 GE units	B2 and B3	4	6	5B (w/ lab)	4	5.3
Calculus AB	Area E Score 3=AreaE (Clear for Math 30) Score 4, 5=MATH 30	3	B4	3	3*	2A	3	2.7**
Calculus BC	Area E Score 3=MATH 30 Score 4, 5=MATH 31	5	B4	3	6*	2A	3	5.3**
AP Calculus Exam Limitations	Only one exam may be applied				*only one exam may be used towards transfer			**Maximum credit 8 qrt/5.3 sem. units

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
Chemistry (includes lab)	Area A Score 3, 4=Area A Score 5=CHEM 1	6 Only 5 GE units	B1 & B3	4	6	5A (w/ lab)	4	5.3
Chinese Language & Culture	Area C: CHIN 2	6 Only 4 GE units	Area C	3	6	3B and 6A	3	5.3
Computer Science A	Area E	3	N/A	N/A	3*	N/A	N/A	1.3*
Computer Science AB	Area E	6	N/A	N/A	6*	N/A	N/A	2.7
Computer Science Principles	N/A	6 elective units			*only one exam may be used towards transfer			**Maximum credit 8 qrt/ 5.3 sem. units
Computer Science Exam Limitations	Only one exam may be applied							
Economics — Macroeconomics	Area B: ECON 2	3	D2	3	3	4B	3	2.7
Economics — Microeconomics	Area B: ECON 4	3	D2	3	3	4B	3	2.7
English — Language & Composition	Area D: ENGL 2	6, Only 3 GE units	A2	3	6	1A	3	5.3*
English — Literature & Composition	Area C & D: ENGL 2	6, Only 3 GE units	A2 and C2	6	6	1A or 3B	3	5.3
AP English Exam Limitations		Maximum 9 units if both AP English tests						**Maximum credit for both exams is 8 qrt/ 5.3 sem. units
Environmental Science	Area A: PSC 10	4	B1 and B3	4	4	5A (W/ lab)	3	2.7
French Language & Culture	Area C: FREN 2	6,Only 4 GE units	C2	3	6	3B and 6A	3	5.3
French Literature & Culture	Area C	6, Only 3 GE units	C2	3	6	3B and 6A	3	5.3
French Exam Limitations	Only one exam may be applied							
German Language & Culture	Area C: GERM 2	6, Only 4 GE units	C2	3	6	3B and 6A	3	5.3
German Exam Limitations	Only one exam may be applied							
Government & Politics — Comparat.	Area B: POS 3	3	D8	3	3	4H	3	2.7
Government & Politics — U.S.	Area B: POS 2	3	D8 and US 2 *Does not fulfill AHI California Government Requirement	3	3	4H	3	2.7
History — European	Area B or C	6, Only 3 GE units	C2 or D6	3	6	3B or 4F	3	5.3

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
History — U.S.	Area B or C:HIST 8	6, Only 3 GE units	C2 or D6 and US1	3	6	3B or 4F	3	5.3
History — World	Area B or C: HIST 5	3	C2 or D6	3	3	3B or 4F	3	2.7
Human Geography	Area B: GEOG 4	3	D5	3	3	4E	3	2.7
Italian Language & Culture	Area C: ITAL 2	6, Only 4 GE units	C2	3	6	3B and 6A	3	5.3
Japanese Language & Culture	Area C: JPN 2	6, Only 4 GE units	C2	3	6	3B and 6A	3	5.3
Latin — Vergil	Area C	3	C2	3	3	3B and 6A	3	2.7
Latin — Literature	Area C	6, Only 3 GE units	C2	3	6	3B and 6A	3	2.7
Music Theory	Area C: MUS 10	6, Only 3 GE units	C1 (if taken prior to Fall 2009)	3	6	N/A	N/A	5.3
Physics B	Area A	6, Only 4 GE units	B1 and B3	4	6	5A (w/ lab)	4	5.3
Physics C — Mechan.	Area A: PHYS 21	4	B1 and B3	4	4	5A (w/ lab)	3	2.7
Physics C — Electric. & Magnetism	Area A	4	B1 and B3	4	4	5A (w/ lab)	3	2.7
Physics 1 (includes lab)	Area A: PHYS 21	4	B1 and B3	4	4	5A (w/ lab)	3	2.7
Physics 2 (includes lab)	Area A: PHYS 22	4	B1 and B3	4	4	5A (w/ lab)	3	2.7
AP Physics Exam Limitations	Only one exam may be applied				*Maxim. 4 semester unis toward GE and 6 semester units towards transfer			**Maximum credit 8 qrt/ 5.3 semester units for both
Psychology	Area B: PSY 1	3	D9	3	3	4I	3	2.7
Spanish Language & Culture	Area C: SPAN 2	6, Only 4 GE units	C2	3	6	3B and 6A	3	5.3
Spanish Literature & Culture	Area C: SPAN 2	6, Only 4 GE units	C2	3	6	3B and 6A	3	5.3
Spanish Exam Limitations	Only one exam may be applied							
Statistics	Area E: MATH 18	3	B4	3	3	2	3	2

International Baccalaureate (IB) Test Scores

- Use of CLEP Test Scores for Butte College Credit and GE determined by BC policy.
- Use of CLEP Test Scores for CSU GE Certification determined by CSU Policy.
- CLEP credit can be used to meet CSU GE and AA general education (GE) and/or major requirements.
- Students must have official CLEP exam results to the Career and Academic Assessment Center (hand carried copies will not be accepted for use on the A.A. or GE patterns.
- All "Units" are semester units unless otherwise indicated.
- Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.
- If no Butte College course equivalency; credit for the major may be granted via waiver/substitution petition submitted to the department.

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
IB Exam	**Butte GE Area (See note above)**	**Semester Units**	**CSU GE Area**	**CSU GE Units Earned**	**CSU Transfer Units Earned**	**IGETC GE Area**	**IGETC GE Units Earned**	**UC Transfer Units Earned**
Biology HL	**Area A** Only 3 GE units	6	B2	3	6	5A (wo/ lab)	3	5.3
Chemistry HL	**Area A** Only 3 GE units	6	B1	3	6	5A (wo/ lab)	3	5.3
Economics HL	**Area B** Only 3 GE units	6	D	3	6	4	3	5.3
Geography HL	**Area B** Only 3 GE units	6	D	3	6	4	3	5.3
History (any region) HL	**Area B or C** Only 3 GE units	6	C2 or D	3	6	3B or 4	3	5.3
Language (any) A: Literature HL; score of "4" awards credit	**Area C** Only 3 GE units	6	C2	3	6	3B and 6A	3	5.3
Language (English) A: Literature HL; score of "4" awards credit	**Area C** Only 3 GE units	6	C2	3	6	3B and 6A	3	5.3
Language (any) A: Language and Literature HL; score of "4" awards credit	**Area C** Only 3 GE units	6	C2	3	6	3B	3	5.3
Language B* score of "4" awards credit	**N/A** 6 elective units	6	N/A	N/A	6	6A	N/A	5.3
Mathematics HL; score of "4" awards credit	**Area E; Math Competency** Only 3 GE units	6	B4	3	6	2A	3	5.3
Physics HL	**Area A** Only 3 GE units	6	B1	3	6	5A (wo/ lab)	3	5.3
Psychology HL	**Area B**	3	D	3	3	4	3	2.7
Theater HL	**Area C** Only 3 GE units	6	C1	3	6	3A	3	5.3

**The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-speakers. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.*

College Level Examination Program (CLEP) Test Scores

- Use of CLEP Test Scores for Butte College Credit and GE determined by BC policy.
- Use of CLEP Test Scores for CSU GE Certification determined by CSU Policy
- CLEP credit can be used to meet CSU GE and AA general education (GE) and/or major requirements.
- Students must have official CLEP exam results to the Career and Academic Assessment Center (hand carried copies will not be accepted for use on the A.A. or GE patterns.
- All "Units" **are semester units** unless otherwise indicated.
- **Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.**
- **If no Butte College course equivalency; credit for the major may be granted via waiver/substitution petition submitted to the department.**

		BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION		
CLEP Exam	**Score**	**AA/AS GE for Butte College**	**Semester Units**	**CSU GE Area**	**CSU GE Units Earned**	**CSU Transfer Units Earned**
American Government	50	Area B	3	D8	3	3
American Literature	50	Area C	3	C2	3	3
Analyzing and Interpreting Literature	50	Area C	3	C2	3	3
Biology	50	Area A	3	B2	3	3
Calculus	50	Area E Math Competency	3	B4	3	3
Chemistry	50	Area A	3	B1	3	3
College Algebra	50	Area E; Math Competency	3	B4	3	3
College Algebra — Trigonometry	50	Area E; Math Competency	3	B4	3	3
College Mathematics	50	N/A	0	N/A	0	0
College Composition	50	Area D; English & Reading Comp.	3	N/A	0	0
College Composition Modular	50	Area D; English & Reading Comp.	3	N/A	0	0
English Literature	50	Area C	3	C2	3	3
Financial Accounting	50	N/A	3	N/A	0	3
French Level I*	50	N/A	6	N/A	0	6
French Level II*	59	Area C	12	C2	3	12
Freshman College Composition	50	N/A	0	N/A	0	0
German Level I	50	N/A	6	N/A	0	0
German Level II	50	Area C	12	C2	3	12
History, US I	50	Area B or C	3	D6 + US-I	3	3
History, US II	50	Area B or C	3	D6 + US-I	3	3
Human Growth & Development	50	Area F	3	E	3	3
Humanities	50	Area C	3	C2	3	3
Information Systems & Computer Applications	50	N/A	3	N/A	0	3
Introduction to Educational Psychology	50	N/A	3	N/A	0	3
Introduction to Business Law	50	N/A	3	N/A	0	3
Introductory Psychology	50	Area B	3	D9	3	3
Introductory Sociology	50	Area B	3	D9	3	3
Natural Sciences	50	Area A	3	B1 or B2	3	3
Pre-Calculus	50	Area E; Math Competency	3	B4	3	3
Principles of Accounting	50	N/A	3	N/A	0	3
Principles of Macroeconomics	50	Area B	3	D2	3	3
Principles of Management	50	N/A	3	N/A	0	3
Principles of Marketing	50	N/A	3	Na	0	3
Principles of Microeconomics	50	Area B	3	D2	3	3
Social Science & History	50	Area B	3	N/A	0	0
Spanish Level I*	50	N/A	6	N/A	0	6
Spanish Level II*	63	Area C	12	C2	3	12
Trigonometry	50	Area E; Math Competency	3	B4	3	3
Western Civilization I	50	Area B or C	3	C2 or D6	3	3
Western Civilization II	50	Area B	3	D6	3	3

**If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six (6) units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth as noted.*

General Education

Local

Butte College Local GE Guide AA/AS Degree

Requirements:

1. A minimum of sixty (60) semester units of college work (courses numbered 1-199) must be completed.
2. A minimum overall grade point average of 2.0 (C average or better)
3. A minimum of twelve (12) semester units must be completed at Butte College. Units earned through Credit by Examinationdo not apply toward this residency requirement.
4. Competency Requirements:
   A. Reading & Writing Competency:
      1. Satisfactory (P, or C or better) completion of ENGL 2 or ENGL 3 (or equivalent)
   B. Mathematics Competency:
      1. Satisfactory (P or C or better) completion of one of the following course: MATH 110, MATH 116, MATH 118, MATH 124, or equivalent*
         OR
      2. Satisfactory (P or C or better) completion of a MATH course that requires at least one of the above listed courses as a prerequisite**
         *It is possible that a student may meet the math competency with previous work following our placement procedures (Consult a Butte College Counselor). The student must take one course from Area E even if the student meets the math competency requirement through our placement procedure.
         **MATH 4, 5, 11, 12, 13, 17, 18, 20, 26, 30, 31, 32, 40 and 42 meet this criteria.
   C. Multicultural Breadth competency. Completion of one approved multicultural course or program.AGS 10, AJ 2, AJ 14, AJLE 130, AJLE 140, AJLE 141, ALH 6, ANTH 4, ANTH 4H, ANTH 13, ANTH 16, ANTH 18,ANTH 32, ANTH 33, ANTH 34, ART 1, ART 3, ART 6, BUS 35, BUS 64, CDF 14, CDF 57, CDF 59, CMST 9, CSL 20,ENGL 26, ENGL 35, ENGL 45, ENGL 47, ENGL 53H, GEOG 4, GEOG 8, GEOG 10, GEOG 12, HIST 3, HIST 5,HIST 6, HIST 18, HIST 20, HIST 30, NSG 41, NSG 78, MCGS 8, MCGS 10, MCGS 32, MCGS 36, MCGS 38, MUS 9, NR26, PHIL 18, PSY 34, PSY 41, RT 165, SOC 4, SOC 20, SOC 30, SOC 30H, SPAN 14, SPAN 16
   NOTE: Within the GE pattern, multicultural courses are marked with an †.
   NOTE: Comparable coursework at other accredited institutions may be substituted. Waivers are not permissible to satisfy Competency Requirements A, B, and C. However, certain students with documented (learning) disabilities directly related to the competency area may, if eligible, appeal for a substitution of a specific competency requirement (course).
5. Major Requirement: Complete one of the established majors. Please refer to the Butte College catalog index for a listing of allacademic programs. **Each course in the major must be completed with at least a "C" or better.**
6. General Education Requirements — Complete a minimum of twenty (20) semester units of general education from the approved list according to the following pattern:
   A. Natural Science — Area A: One three-unit course minimum.
   B. Social and Behavioral Sciences — Area B: One three-unit course minimum.
   C. Humanities — Area C: One three-unit course minimum.
   D. English Composition — Area D: One three-unit course minimum.
   E. Communication and Analytical Thinking — Area E: One three-unit course minimum.
   F. Self-Integration and Kinesiology — Area F: One Self-Integration course and two Kinesiology (KIN) activity courses (4-5 units). The Self-Integration portion of Area F is waived for students completing RT Program, Paramedic, LVN, RN and ADN degrees; however, 20 total GE units are required for graduation.
   Note: The DD214 may be used to satisfy all of Area F.
   Note: Certification of coursework for Butte College General Education coursework will be honored provided that a course was on the college's approved Butte College General Education list when it was completed.
7. Application Requirement: Each student must file an Application for Graduation with a counselor by the published deadline.

Limitations to Degree Requirements

1. A maximum of eight (8) semester units optionally graded Credit (P) may be counted toward Associate Degree requirements.*
2. Only one English (or ESL) course below transferable freshman composition may be used towards the Associate Degree.*
   * These limitations are not subject to waivers.

2021-2022 Butte College AA/AS Degree Requirements

Courses listed in more than one Area can only be counted in one Area

AREA A — NATURAL SCIENCE One course, 3 unit minimum

*NOTE: Meets Natural Science only when taken with corresponding lecture course. ° NOTE: When listed next to a course the course contains a lab.

AGS 20	Plant Science (3)°	FN 2	Nutrition (3)
AGS 30	Ecology of Insect and Disease Management (3)	GEOG 2	Physical Geography (3)
AGS 40	Introduction to Animal Science (3)°	GEOG 3	Physical Geography Lab (1)*
AGS 50	General Soils (4)°	GEOL 32	Physical Geology with Lab (4)°
ANTH 2	Physical Anthropology (3)	GEOL 34	Historical Geology with Lab (4)°
ANTH 2H	Honors Physical Anthropology (3)	NR 28	Environmental Management (3)
BIOL 1	Introduction to Biology (4)°	PHYS 10	Concepts of Physics (3)
BIOL 2	Introduction to Human Biology (3)	PHYS 11	Concepts of Physics Laboratory (1)*
BIOL 5	Ecology and Field Biology (4)°	PHYS 21	College Physics I (4)°
BIOL 7	Sustaining Life on Earth (3)	PHYS 22	College Physics II (4)°
BIOL 9	Current Issues in Biology (3)	PHYS 41	Physics for Scientists and Engineers I (4)°
BIOL 9H	Honors Current Issues in Biology (3)	PHYS 42	Physics for Scientists and Engineers II (4)°
BIOL 10	Survey of Human Systems (4)°	PHYS 43	Physics for Scientists and Engineers III (4)°
BIOL 15	Introduction to Microbiology (5)°	PSC 10	Introduction to Environmental Science (4)°
BIOL 20	Human Anatomy (4)°	PSC 11	Earth Science with Lab (4)°
BIOL 21	Human Physiology (4)°	PSC 12	Concepts in Physical Science (4)°
BIOL 41	Cell and Molecular Biology (5)°	PSC 20	Introductory Physical Science (3)
BIOL 42	Organismal Biology (5)°	PSC 21	Introductory Physical Science Laboratory (1)*
BIOL 43	Ecology and Evolution (5)°	PSC 27	Survey of the Universe (3)
CHEM 1	General Chemistry I (5)°	PSC 30	Introductory Astronomy (4)°
CHEM 2	General Chemistry II (5)°	PSC 30H	Honors Introductory Astronomy (4)°
CHEM 11	Introduction to Chemistry (4)°	PSC 50	Introduction to Weather (3)
CHEM 21	Organic Chemistry I (5)°	PSC 51	Weather Lab (1)*
CHEM 22	Organic Chemistry II (5)°	PSC 53	Natural Disasters and Hazards (3)
CHEM 51	Elementary Inorganic Chemistry (5)°	PSY 3	Introduction to Biological Psychology (3)
CHEM 52	Elementary Organic and Biochemistry (4)°		

AREA B — SOCIAL & BEHAVIORAL SCIENCES One course, 3 unit minimum

AB 22	Agricultural Economics (3)	HIST 18	Multicultural History of the United States (3)†
AGS 10	World Food and Hunger Issues (3)†	HIST 20	Political History of the Middle East (3)†
AJ 1	Criminology (3)	HIST 26	Men and Women in American History (3)
AJ 2	Administration of Justice (3)	HIST 30	History of the African American (3)†
ANTH 4	Cultural Anthropology (3)†	HUM 17	Comparative European Studies (3)
ANTH 4H	Honors Cultural Anthropology (3)†	MCGS 8	Introduction to Multicultural and Gender Studies (3)†
ANTH 13	Magic, Witchcraft and Religion (3)†	MCGS 10	Introduction to Women's Studies (3) †
ANTH 14	Language and Culture (3)	MCGS 32	Introduction to African American Studies (3)†
ANTH 16	Archeology and Ancient Societies (3)†	MCGS 36	Introduction to Chicano American Studies (3)†
ANTH 18	World Cultures (3)†	MCGS 38	Introduction to Asian American Studies (3)†
ANTH 32	Native Americans (3)†	NR 26	Environmental World (3) †
ANTH 33	Ancient Mesoamerica (3) †	POS 2	United States Government (3)
ANTH 34	Native Americans Today (3)†	POS 3	Comparative Politics (3)
ASL 10	Introduction to Deaf Culture (3)	POS 12	California State and Local Government (3)
BUS 20	Introduction to Business (3)	POS 16	Vital Political Problems (3)

CDF 12	Child, Family and Community (3)	POS 18	International Relations (3)
CDF 14	Child Growth and Development (3)†	PSY 1	Principles of Psychology (3)
CMST 9	Intercultural Communication (3)†	PSY 1H	Honors Principles of Psychology (3)
CMST 10	Interpersonal Communication (3)	PSY 6	Abnormal Psychology (3)
CMST 13	Gender and Communication (3)	PSY 7	Introduction to Research Methods in Psychology (3)
ECON 2	Principles of Macroeconomics (3)	PSY 11	Peace Psychology (3)
ECON 4	Principles of Microeconomics (3)	PSY 15	Lifespan Psychology (3)
ECON 20	Economic History of the U.S. (3)	PSY 16	Psychology of Women (3)
ECON20H	Honors Economic History of the U.S. (3)	PSY 24	Psychology of Sleep, Dreams and Archetypes (3)
ECON 25	Introduction to Economics (3)	PSY 41	Socio-Cultural Context of Psychological Develop. (3)†
ECON 35	Introduction to Environmental Economics (3)	RTVF 12	Mass Media and Society (3)
GEOG 4	Cultural Geography (3)†	SOC 2	Principles of Sociology (3)
GEOG 8	World Regional Geography (3)†	SOC 4	Modern Social Problems (3)†
GEOG 10	Geography of California (3)†	SOC 5	Our Sustainable Future (3)
GEOG 12	The American West (3)†	SOC 8	Intro. to Marriage, Family and Intimate Relationships (3)
HIST 3	World History to 1500 (3)†	SOC 10	Introduction to Crime and Society (3)
HIST 5	World History since 1500 (3)†	SOC 14	Sociology of Gender (3)
HIST 6	Modern World History (3)†	SOC 20	Introduction to Race and Ethnicity (3)†
HIST 8	United States History to 1877 (3)	SOC 30	Sociology of Inequality (3)†
HIST 10	United States History—1877 to Present (3)	SOC 30H	Honors Sociology of Inequality (3)†

AREA C — HUMANITIES One course, 3 unit minimum

ANTH 17	Introduction to Linguistics (3)	GERM 4	Fourth Semester German (4)
ART 1	Art Appreciation (3)†	HIST 3	World History to 1500 (3)†
ART 2	Prehistoric to Gothic Art History Survey (3)	HIST 5	World History since 1500 (3)†
ART 2H	Honors Prehistoric to Gothic Art History Survey (3)	HIST 8	United States History to 1877 (3)
ART 3	Asian Art History Survey (3)†	HIST 10	United States History—1877 to Present (3)
ART 4	Renaissance in Contemporary Art History Survey (3)	HIST 18	Multicultural History of the United States (3)†
ART 4H	Honors Renaissance in Contemp. Art History Survey (3)	HIST 26	Men and Women in American History (3)
ART 5	Survey of Modern Art (3)	HIST 30	History of the African American (3)†
ART 6	African, Oceanic, and Native American Art (3)†	HUM 17	Comparative European Studies (3)
ASL 1	American Sign Language I (4)	HUM 22	Greco-Roman Cultures (3)
ASL 2	American Sign Language II (4)	ITAL 1	First Semester Italian (4)
ASL 3	American Sign Language III (4)	ITAL 2	Second Semester Italian (4)
CHIN 1	First Semester Chinese (4)	JPN 1	First Semester Japanese (4)
CHIN 2	Second Semester Chinese (4)	JPN 2	Second Semester Japanese (4)
CMST 6	Oral Interpretation (3)	JPN 3	Third Semester Japanese (4)
DRAM 2	Theatre Arts Appreciation (3)	JPN 4	Fourth Semester Japanese (4)
DRAM 4	Creative Drama and Theatre for Children (3)	LATN 1	First Semester Latin (4)
DRAM 8	Principles of Acting I (3)	LATN 2	Second Semester Latin (4)
ECON 20	Economic History of the U.S. (3)	LATN 3	Third Semester Latin (4)
ECON20H	Honors Economic History of the U.S. (3)	MUS 1	Music Appreciation (3)
ENGL 4	Introduction to Literature (3)	MUS 3	Music Fundamentals (3)
ENGL 6	Creative Writing (3)	MUS 5	American Popular Music (3)
ENGL 8	British Literature I (3)	MUS 6	Women and Music (3)
ENGL 10	British Literature II (3)	MUS 7	Jazz Appreciation (3)
ENGL 14	U.S. Literature I (3)	MUS 9	World Music (3) †
ENGL 15	Film as Literature (3)	MUS 10	Music Theory I (3)

ENGL 16	U.S. Literature II (3)	PHIL 2	Introduction to Philosophy (3)
ENGL 20	Introduction to Poetry (3)	PHIL 4	Introduction to Ethics and the Good Life (3)
ENGL 21	Mythology (3)	PHIL 10	Ancient Philosophy (3)
ENGL 25	Introduction to Shakespeare (3)	PHIL 16	Western Religions (3)
ENGL 26	Queer Film and Literature (3)†	PHIL 18	Eastern Religions (3)†
ENGL 35	Cross-Cultural Film and Literature (3)†	PHO 1	History of Photography (3)
ENGL 45	Latino Literature and its Latin American Roots (3)†	RTVF 13	Exploring Contemporary Television (3)
ENGL 47	Native American Literature (3)†	RTVF 15	Introduction to Film (3)
ENGL52H	Honors Great Works of Literature (3)	SPAN 1	First Semester Spanish (4)
ENGL53H	Honors World Literature (3)†	SPAN 2	Second Semester Spanish (4)
FASH 74	Historic Costume (3)	SPAN 3	Third Semester Spanish (4)
FREN 1	First Semester French (4)	SPAN 4	Fourth Semester Spanish (4)
FREN 2	Second Semester French (4)	SPAN 14	Hispanic Short Stories (3)†
GERM 1	First Semester German (4)	SPAN 16	Hispanic Film (3)†
AREA D — ENGLISH COMPOSITION One course, 3 unit minimum			
ENGL 2	Reading and Composition (3)	ENGL 3	Reading Composition Intensive (4)
AREA E — COMMUNICATION & ANALYTICAL THINKING One course, 3 unit minimum			
CMST 2	Public Speaking (3)	MATH 17	Investigative and Introductory Statistics (4)
CMST 2H	Honors Public Speaking (3)	MATH 18	Introduction to Statistics (4)
CMST 4	Small Group Communication (3)	MATH 20	Trigonometry (3)
CMST 14	Argumentation and Debate (3)	MATH 26	College Algebra (4)
CSCI 2	Business and Computer Information Systems (3)	MATH 30	Analytic Geometry and Calculus I (5)
CSCI 4	Intro. To Programming Concepts and Methodologies (3)	MATH 31	Analytic Geometry and Calculus II (4)
CSCI 20	Programing and Algorithms (3)	MATH 32	Analytic Geometry and Calculus III (4)
CSCI 20	Programming and Algorithms I (3)	MATH 40	Differential Equations (4)
DFT 4	Print Reading for Construction and Architecture (3)	MATH 42	Linear Algebra (3)
ENGL 11	Communication and Critical Thinking (3)	MATH 110	Geometry (3)
MATH 4	Concepts in Mathematics for Teachers I (3)	MATH 116	Accelerated Algebra (6)
MATH 5	Concepts in Mathematics for Teachers II (4)	MATH 118	Pre-Statistics and Pre-Liberal Arts Math (4)
MATH 7	Formal Logic and Writing (3)	MATH 124	Intermediate Algebra (5)
MATH 11	Mathematics for Liberal Arts (3)	PHIL 6	Introduction to Logic and Critical Thinking (3)
MATH 12	Mathematics for Business Decisions (Finite Mathematics)(3)	PHIL 8	Methods of Argument (3)
MATH 13	Survey of Calculus (4)		
AREA F –SELF-INTEGRATION & KINESIOLOGY One 3-unit course and two Kinesiology activity courses The DD 214 may be used to satisfy this requirement			
BUS 62	Money & Happiness: Cultural, Psych., and Economic Factors (3)	LM 40	Life Management (3)
CDF 14	Child Growth and Development (3) (Effective Fall 2019)†	POS 92	Exploring Leadership (3)
CLP 30	Career Life Planning (3)	PSY 15	Lifespan Psychology (3)
CSL 20	College & Life Success (3)†	PSY 20	Personal and Social Growth and Wellness (3)
ENGL 31	Existential Literature: A Literary Approach to Self Integ. (3)	PSY 34	Eastern Psychology: Traditions and Practices (3)†
FN 2	Nutrition (3)	PSY 36	Psychology of Meditation and Mindfulness (3)
FN 8	Maternal and Child Nutrition (3)	SOC 8	Intro. to Marriage, Family and Intimate Relationships (3)
HLTH 2	Health and Wellness (3)	SOC 14	Sociology of Gender (3)
HLTH 10	Leisure for Healthy Living (3)	Select two Kinesiology (KIN) Activity Courses (.5–1.5)	

†NOTE: Meets Multicultural Breadth competency

CSU

Butte College Guide CSU General Education Requirements

IMPORTANT NOTE: Certification of coursework for CSU General Education will be honored provided that a course was on a college's approved CSU General Education list when it was completed. (CSU Review, May 1993)

Due to the complexity of the requirements and the potential for inappropriate course selection, students are advised to work with a Butte College counselor when developing their educational plan.

CSU Admissions Requirements

To meet the California State University (CSU) transfer admission requirements, students must have all the following:

- At least 60 transferable units (Transferable courses at Butte College are numbered 1-99)
- A transferable course GPA of at least 2.0
- Within the 60 transferable units, at least 30 units of General Education courses with a grade of C or better in each course.
- The 30 required General Education units must include areas A1, A2, A3, and B4 with a grade of C- or better in each.

As admission to CSU campuses becomes more competitive, students need to understand the importance of filing their application during the priority filing period. (Consult a counselor for those dates.) Completion of all lower division preparation and a strong grade point average are important to students applying to impacted schools and competitive majors. Applications and application information can be accessed at **www.calstate.edu/apply**.

Overview of Requirements for Bachelor's Degree

General Education (GE)
These courses offer an opportunity to broaden one's awareness, discover academic interests, and develop academic skills. The selection of courses to meet this requirement should be influenced by the major(s) and other programs you wish to consider. The California State University requires 48 units of General Education coursework in most bachelor's degree programs, to include a minimum of 39 lower-division (freshman-sophomore level) and a minimum of nine upper-division (junior-senior level) units. CSU students have the option of completing CSU General Education requirements or the Intersegmental General Education Transfer Curriculum (IGETC). **Courses used for CSU GE must appear on the GE list for the academic year the course was taken.**

Students should consult with their Butte College counselor to determine which GE pattern is appropriate for them based on their educational goals and their transfer school’s admission requirements.

CSU GE Breadth for STEM (33 units); Defer one lower-division course in Area C and one lower-division course in Area D until after transfer.

NOTE: The DD214 may be used to satisfy Area E

Major
A major consists of a group of courses that emphasizes a depth of study in a particular field. Majors may require as few as 30 semester units or as many as 100 semester units. Certain majors require courses that also meet CSU GE requirements. Courses generally may be used for both purposes. Individual campuses may have limitations as to the number of courses that can be used in this way. To be as competitive as possible students should follow the requirements for the campuses and majors they are interested in. See Assist.org for more information. Some high-unit majors have modifications to GE requirements. For more information see the “Majors with Important Modifications to General Education Requirements” section of the CSU Chico catalog at **https://catalog.csuchico.edu/viewer/21/GENED/GEMAJORMOD.html** Please note that GE modifications at CSU Chico may not be the same for all CSUs. Careful course planning provides the greatest opportunity for maximizing options within a bachelor's degree program.

Electives
The number of elective units is dependent on the units required by a student's major. Electives can be used to complete a second major, a minor, credential requirements, or other personal educational goals.

U.S. History, Constitution, and American Ideals
To provide an understanding and knowledge of U.S. history and government, the CSU requires students to complete coursework or pass examinations to demonstrate competency in this area.

CSU General Education Certification List

Courses listed in more than one Area can only be counted in one Area

AREA A — ENGLISH LANGUAGE, COMMUNICATION AND CRITICAL THINKING
Three courses, 9 semester units, with at least one course each from A1, A2, and A3

A1 — Oral Communication			
CMST 2	Public Speaking (3)	CMST 4	Small Group Communication (3)
CMST 2H	Honors Public Speaking (3)		
A2 — Written Communication			
ENGL 2	Reading and Composition (3)	ENGL 3	Reading and Composition Intensive (4)
A3 — Critical Thinking			
CMST 14	Argumentation and Debate (3)	PHIL 6	Introduction to Logic (3)
ENGL 11	Communication and Critical Thinking (3)	PHIL 8	Methods of Argument (3)
MATH 7	Formal Logic and Writing (3)		

AREA B — SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING
At least three courses, 9 semester units minimum, with one course each from B1, B2, and B4. The B3 requirement is met with the completion of a laboratory course or laboratory component from B1 or B2. Courses that meet this requirement are marked with a "°". When listed next to a lecture course, the adjoining laboratory course must be taken for certification.

B1 — Physical Science			
AGS 50°	General Soils (4)	PHYS 22°	College Physics II (4)
CHEM 1°	General Chemistry I (5)	PHYS 41°	Physics for Scientists and Engineers I (4)
CHEM 2°	General Chemistry II (5)	PHYS 42°	Physics for Scientists and Engineers II (4)
CHEM 11°	Introduction to Chemistry (4)	PHYS 43°	Physics for Scientists and Engineers III (4)
CHEM 21°	Organic Chemistry I (5)	PSC 10°	Introduction to Environmental Science (4)
CHEM 22°	Organic Chemistry II (5)	PSC 11°	Earth Science with Lab (4)
CHEM 51°	Elementary Inorganic Chemistry (5)	PSC 12°	Concepts in Physical Science (4)
CHEM 52°	Elementary Organic and Biochemistry (4)	PSC 20/21°	Introductory Physical Science with Lab (4)
GEOG 2	Physical Geography (3)	PSC 27	Survey of the Universe (3)
GEOG 2/3°	Physical Geography with Lab (4)	PSC 30°	Introductory Astronomy (4)
GEOL 32°	Physical Geology with Lab (4)	PSC 30H°	Honors Introductory Astronomy (4)
GEOL 34°	Historical Geology with Lab (4)	PSC 50/51°	Introduction to Weather with Lab (4)
PHYS 10/11°	Concepts of Physics with Lab (4)	PSC 53	Natural Disasters and Hazards (3)
PHYS 21°	College Physics I (4)		
B2 — Life Science			
AGS 20°	Plant Science (3)	BIOL 9H	Honors Current Issues in Biology (3)
AGS 40°	Introduction to Animal Science (3)	BIOL 10°	Survey of Human Systems (4)
ANTH 2	Physical Anthropology (3)	BIOL 15°	Introduction to Microbiology (5)
ANTH 2H	Honors Physical Anthropology (3)	BIOL 20°	Human Anatomy (4)
BIOL 1°	Introduction to Biology (4)	BIOL 21°	Human Physiology (4)
BIOL 2	Introduction to Human Biology (3)	BIOL 41°	Cell and Molecular Biology (5)
BIOL 5°	Ecology and Field Biology (4)	BIOL 42°	Organismal Biology (5)
BIOL 7	Sustaining Life on Earth (3)	BIOL 43°	Ecology and Evolution (5)
BIOL 9	Current Issues in Biology (3)	PSY 3	Introduction to Biological Psychology (3)
B3 — Laboratory Activity			
The B3 requirement is met with the completion of a laboratory course or laboratory component from B1 or B2. Courses that meet this requirement are marked with a "°". When listed next to a lecture course, the adjoining laboratory course must be taken for certification.			
B4 — Mathematics/Quantitative Reasoning			
MATH 4	Concepts in Mathematics for Teachers I (3)	MATH 20	Trigonometry (3)
MATH 5	Concepts in Mathematics for Teachers II (4)	MATH 26	College Algebra (4)

MATH 11	Mathematics for Liberal Arts (3)	MATH 30	Analytic Geometry and Calculus I (5)
MATH 12	Mathematics for Business Decisions (Finite Mathematics) (3)	MATH 31	Analytic Geometry and Calculus II (4)
MATH 13	Survey of Calculus (4)	MATH 32	Analytic Geometry and Calculus III (4)
MATH 17	Investigative and Introductory Statistics (4)	MATH 40	Differential Equations (4)
MATH 18	Introduction to Statistics (4)	MATH 42	Linear Algebra (3)

AREA C — ARTS AND HUMANITIES
Three courses, 9 semester units with at least one course each in C1 and C2, and the third course from C1 or C2.

C1 — Arts (Arts, Cinema, Dance, Music, Theater)			
ART 1	Art Appreciation (3)**	DRAM 8	Principles of Acting I (3)
ART 2	Prehistoric to Gothic Art History Survey (3)	MUS 1	Music Appreciation (3)
ART 2H	Honors Prehistoric to Gothic Art History Survey (3)	MUS 5	American Popular Music (3)
ART 3	Asian Art History Survey (3) **	MUS 6	Women and Music (3)
ART 4	Renaissance in Contemporary Art History Survey (3)	MUS 7	Jazz Appreciation (3)
ART 4H	Honors Renaissance in Contemporary Art History Survey (3)	MUS 9	World Music (3)**
ART 5	Survey of Modern Art (3)	MUS 10	Music Theory I (3)
ART 6	African, Oceanic, and Native American Art History (3) **	PHO 1	History of Photography (3)
CMST 6	Oral Interpretation (3)	RTVF 15	Introduction to Film (3)
DRAM 2	Theatre Arts Appreciation (3)		
C2 — Humanities (Literature, Philosophy, Languages other than English)			
ANTH 17	Introduction to Linguistics (3)	HIST 3	World History to 1500 (3)**
ASL 1	American Sign Language I (4)	HIST 5	World History since 1500 (3)**
ASL 2	American Sign Language II (4)	HIST 8	United States History to 1877 (3)
ASL 3	American Sign Language lll (4)	HIST 10	United States History — 1877 to Present (3)
CHIN 1	First Semester Chinese (4)	HIST 18	Multicultural History of the United States (3)*
CHIN 2	Second Semester Chinese (4)	HIST 26	Men and Women in American History (3)
ECON 20	Economic History of the U.S. (3)	HIST 30	History of the African American (3)*
ECON 20H	Honors Economic History of the U.S. (3)	HUM 17	Comparative European Studies (3)
ENGL 4	Introduction to Literature (3)	HUM 22	Greco-Roman Cultures (3)
ENGL 6	Creative Writing (3)	ITAL 1	First Semester Italian (4)
ENGL 8	British Literature I (3)	ITAL 2	Second Semester Italian (4)
ENGL 10	British Literature II (3)	JPN 1	First Semester Japanese (4)
ENGL 14	U.S. Literature I (3)	JPN 2	Second Semester Japanese (4)
ENGL 15	Film as Literature (3)	JPN 3	Third Semester Japanese (4)
ENGL 16	U.S. Literature II (3)	JPN 4	Fourth Semester Japanese (4)
ENGL 20	Introduction to Poetry (3)	LATN 1	First Semester Latin (4)
ENGL 21	Mythology (3)	LATN 2	Second Semester Latin (4)
ENGL 25	Introduction to Shakespeare (3)	LATN 3	Third Semester Latin (4)
ENGL 26	Queer Film and Literature (3)*	PHIL 2	Introduction to Philosophy (3)
ENGL 35	Cross-Cultural Film and Literature (3)**	PHIL 4	Introduction to Ethics and the Good Life (3)
ENGL 45	Latino Literature and its Latin American Roots (3)*	PHIL 10	History of Ancient Philosophy (3)
ENGL 47	Native American Literature (3)*	PHIL 16	Western Religions (3)
ENGL 52H	Honors Great Works of Literature (3)	PHIL 18	Eastern Religions (3)**
ENGL 53H	Honors World Literature (3)**	RTVF 13	Exploring Contemporary Television (3)
FREN 1	First Semester French (4)	SPAN 1	First Semester Spanish (4)
FREN 2	Second Semester French (4)	SPAN 2	Second Semester Spanish (4)
GERM 1	First Semester German (4)	SPAN 3	Third Semester Spanish (4)
GERM 2	Second Semester German (4)	SPAN 4	Fourth Semester Spanish (4)

GERM 3	Third Semester German (4)	SPAN 14	Hispanic Short Stories (3)
GERM 4	Fourth Semester German (4)	SPAN 16	Hispanic Film (3)

AREA D — SOCIAL SCIENCES
Two courses, 6 semester units

Administration of Justice			
AJ 1	Criminology (3)		
Agriculture			
AGS 10	World Food and Hunger Issues (3)**		
American Sign Language			
ASL 10	Introduction to Deaf Culture (3)		
Anthropology			
ANTH 4	Cultural Anthropology (3)**	ANTH 18	World Cultures (3)**
ANTH 4H	Honors Cultural Anthropology (3)**	ANTH 32	Native Americans (3)*
ANTH 13	Magic, Witchcraft & Religion (3)**	ANTH 33	Ancient Mesoamerica (3)**
ANTH 14	Language and Culture (3)	ANTH 34	Native Americans Today (3)*
ANTH 16	Archeology and Ancient Societies (3)**		
Child Development			
CDF 12	Child, Family and Community (3)	CDF 14	Child Growth and Development (3)*
Communication Studies			
CMST 9	Intercultural Communication (3)*	CMST 13	Gender and Communication (3)
CMST 10	Interpersonal Communication (3)		
Economics			
ECON 2	Principles of Macroeconomics (3)	ECON 20H	Honors Economic History of the U.S. (3)
ECON 4	Principles of Microeconomics (3)	ECON 25	Introduction to Economics (3)
ECON 20	Economic History of the U.S. (3)	ECON 35	Introduction to Environmental Economics (3)
Geography			
GEOG 4	Cultural Geography (3)**	GEOG 10	Geography of California (3)*
GEOG 8	World Regional Geography (3)**	GEOG 12	The American West (3)
History			
HIST 3	World History to 1500 (3)**	HIST 18	Multicultural History of the United States (3)*
HIST 5	World History since 1500 (3)**	HIST 20	Political History of the Middle East (3)**
HIST 6	Modern World History (3)	HIST 30	History of the African American (3)*
Humanities			
HUM 17	Comparative European Studies (3)		
Multicultural and Gender Studies			
MCGS 8	Introduction to Multicultural and Gender Studies (3)*	MCGS 36	Introduction to Chicano American Studies (3)*
MCGS 10	Introduction to Women's Studies (3)*	MCGS 38	Introduction to Asian American Studies (3)*
MCGS 32	Introduction to African American Studies (3)*		
Natural Resources			
NR 26	Environmental World (3)		
Political Science			
POS 2	United States Government (3)	POS 16	Vital Political Problems (3)
POS 3	Comparative Politics (3)	POS 18	International Relations (3)
POS 12	California State and Local Government (3)		
Psychology			
PSY 1	Principles of Psychology (3)	PSY 11	Peace Psychology (3)
PSY 1H	Honors Principles of Psychology (3)	PSY 15	Lifespan Psychology (3)

PSY 6	Abnormal Psychology (3)	PSY 16	Psychology of Women (3)
PSY 7	Introduction to Research Methods in Psychology (3)	PSY 41	Socio-Cultural Context of Psychological Development (3)*
Radio-TV-Film			
RTVF 12	Mass Media and Society (3)		
Sociology			
SOC 2	Principles of Sociology (3)	SOC 14	Sociology of Gender (3)
SOC 4	Modern Social Problems (3)	SOC 20	Introduction to Race and Ethnicity (3)*
SOC 5	Our Sustainable Future (3)	SOC 30	Sociology of Inequality (3)*
SOC 10	Introduction to Crime and Society (3)	SOC 30H	Honors Sociology of Inequality (3)*
AREA E — LIFELONG LEARNING AND SELF-DEVELOPMENT *One course, 3 semester units*			
BUS 62	Money & Happiness: Cultural, Psych., and Economic Factors (3)	LM 40	Life Management (3)
CDF 14	Child Growth and Development (3) (Effective Fall 2019)	POS 92	Exploring Leadership (3)
CLP 30	Career Life Planning (3)	PSY 15	Lifespan Psychology (3)
CSL 20	College & Life Success (3)	PSY 20	Personal and Social Growth and Wellness (3)
ENGL 31	Existential Literature: A Literary Approach to Self Integ. (3)	PSY 34	Eastern Psychology: Traditions and Practices** (3)
FN 2	Nutrition (3)	PSY 36	Psychology of Meditation and Mindfulness (3)
FN 8	Maternal and Child Nutrition (3)	SOC 8	Introduction to Marriage, Family and Intimate Relationships (3)
HLTH 2	Health and Wellness (3)	SOC 14	Sociology of Gender (3)
HLTH 10	Leisure for Healthy Living (3)		
AREA F — ETHNIC STUDIES *One course, 3 semester units*			
MCGS 32	Introduction to African American Studies (3)***	MCGS 38	Introduction to Asian American Studies (3)***
MCGS 36	Introduction to Chicano American Studies (3)***		
U. S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS *One course from each category*			
Category 1 — U.S. History (course selected can also count in category C2)			
ECON 20	Economic History of the U. S. (3)	HIST 10	United States History—1877 to Present (3)
ECON 20H	Honors Economic History of the U. S. (3)	HIST 18	Multicultural History of the United States (3)
HIST 8	United States History to 1877 (3)	HIST 26	Men and Women in American History (3)
Category 2 — Government (course selected can also count in Category D8)			
POS 2	United States Government (3)	POS 12	California State and Local Government (3)

NOTE: CSU Chico requires all students to complete one course each in U.S. Diversity and Global Cultures. These courses also may meet General Education requirements.

*Meets CSU Chico U.S. Diversity Requirement. **Meets CSU Chico Global Cultures Requirement. ***Meets CSU Chico Ethnic Studies Requirement
Courses listed in more than one Area can only be counted in one Area

UC/IGETC

Butte College UC Transfer Guide IGETC General Education Requirements

IMPORTANT NOTE: Certification of coursework for IGETC will be honored by UC and CSU campuses provided that a course was on the college's approved IGETC list when it was completed (IGETC Notes 1994)

Due to the complexity of the requirements and the potential for inappropriate course selection, students are advised to work with a Butte College Counselor when developing their educational program.

OVERVIEW OF REQUIREMENTS FOR UC ADMISSION

To be eligible for UC admission, students must fulfill both of the following:

- Complete 60 semester (90 quarter) units of UC transferable college credit. Check specific University of California and major for GPA requirements.
- To be competitive you must follow the requirements for major preparation at the University of California
- No more than 14 semester (21 quarter) units may be taken Pass/No Pass.*
- All GE courses must be completed with a grade of C or better.
- *If your college/university only awards Pass credit, you are not subject to this limitation for your attendance at that institution.

IGETC certification or completion of the following course pattern:
Two UC transferable college courses (3 semester or 4-5 quarter units) in English Composition/Critical Thinking;
One UC transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning;
Four UC transferable college courses (3 semester or 4-5 quarter units) chosen from at least two of the following subject areas: Arts and Humanities, Social and Behavioral Sciences, Physical and Biological Sciences

IGETC General Education
These courses offer an opportunity to broaden one's awareness, discover academic interests, and develop academic skills. The Intersegmental General Education Transfer Curriculum (IGETC) is a general education program that community college transfer students may use to fulfill lower division general education requirements in either the UC or the CSU system without the need, after transfer, to take additional lower-division general education courses. The IGETC pattern is most useful for students who want to keep their options open before making a final decision about transferring to a particular UC or CSU campus.

Foreign coursework from non-US regionally accredited institutions may not be used. Course credit earned on the basis of acceptable scores on Advanced Placement (AP) or International Baccalaureate (IB) exams can be applied toward IGETC certification.

Completion of IGETC does NOT guarantee admission, nor is it required for admission. Some students may be better served by taking courses that fulfill the CSU General Education-Breadth requirements or the requirements of the UC campus or other colleges to which they plan to transfer. Students pursuing majors that require extensive lower-division major preparation may not find the IGETC option to be advantageous. Engineering & Architecture are examples of those majors. Schools of Engineering do not generally recommend the IGETC. Students planning to earn an AS-T in Biology may follow the IGETC for STEM GE pattern (31 units). Defer one lower division course in Area 3 and one lower-division course in Area 4 until after transfer. See a counselor for degree planning.

Many private and out-of-state colleges and universities will accept the completed IGETC to meet their lower division General Education requirements. Below are examples of these institutions.

Arizona State University, Biola University, California College for the Arts , Chapman University, Concordia University, Golden Gate University, Hawaii Pacific University, Menlo College, Mills College, National University, Northern Arizona, Oregon State University, Palo Alto University, Portland State, Saint Mary's College of CA, Southern Oregon , University of Arizona, University of Colorado-Colorado Springs, University of La Verne, University of Idaho, University of Oregon, University of Nevada Las Vegas, University of the Pacific, University of San Francisco, Utah State, Washington State University, Western Oregon University, Woodbury University

Students who enroll at a UC campus, then enrolled at a California Community College and transfer to a different UC campus may use IGETC (students returning to the same UC campus cannot complete IGETC)

The University of California's new Transfer Pathways identify a single set of lower-division, pre-major preparation courses for 21 of UC's most popular majors. Refer to the following link for further pathways information: **http://admission.universityofcalifornia.edu/transfer/preparation-paths/index.html**

Butte College IGETC Certification List

Courses listed in more than one Category or Area (1-5) can only be counted in one Category or Area

AREA 1 — ENGLISH COMMUNICATION			
1A — English Composition One course, 3 semester units **NOTE: ENGL 3 only three of the four units will transfer to UC.**			
ENGL 2	Reading and Composition (3)	ENGL 3	Reading and Composition Intensive (4)
1B — Critical Thinking One course, 3 semester units			
CMST 14	Argumentation & Debate (3)	MATH 7	Formal Logic & Writing (3)
ENGL 11	Communication and Critical Thinking (3)	PHIL 8	Methods of Argument (3)
1C — Oral Communication (CSU requirement only) One course, 3 semester units			
CMST 2	Public Speaking (3)	CMST 4	Small Group Communication (3)
CMST 2H	Honors Public Speaking		

AREA 2 — MATHEMATICAL CONCEPTS and QUANTITATIVE *One course, minimum 3 semester units required*			
2A — Math			
MATH 12	Mathematics for Business Decisions (Finite Math.) (3)	MATH 30	Analytic Geometry and Calculus I (5)
MATH 13	Survey of Calculus (4)	MATH 31	Analytic Geometry and Calculus II (4)
MATH 17	Investigative and Introductory Statistics	MATH 32	Analytic Geometry and Calculus III (4)
MATH 18	Introduction to Statistics (4)	MATH 40	Differential Equations (4)
MATH 26	College Algebra (4)	MATH 42	Linear Algebra (3)

AREA 3 — ARTS and HUMANITIES *At least three courses, with one course from 3A and one course from 3B, and the third course from 3A or 3B. 9 semester units required*			
3A — Arts			
ART 1	Art Appreciation (3)**	MUS 1	Music Appreciation (3)
ART 2	Prehistoric to Gothic Art History Survey (3)	MUS 5	American Popular Music (3)
ART 2H	Honors Prehistoric to Gothic Art History Survey (3)	MUS 6	Women and Music (3)
ART 3	Asian Art History Survey (3)**	MUS 7	Jazz Appreciation (3)
ART 4	Renaissance in Contemporary Art History Survey (3)	MUS 9	World Music (3)**
ART 4H	Honors Renaissance in Contemporary Art History Survey (3)	MUS 10	Music Theory I (3)
ART 5	Survey of Modern Art (3)	PHO 1	History of Photography (3)
ART 6	African, Oceanic and Native American Art History (3)**	RTVF 15	Introduction to Film (3)
DRAM 2	Theater Arts Appreciation (3)		
3B — Humanities			
ANTH 17	Introduction to Linguistics (3)	ENGL 52H	Honors Great Works of Literature (3)
ASL 3	American Sign Language III (4)	ENGL 53H	Honors World Literature (3)**
CMST 6	Oral Interpretation (3)	HIST 8	United States History to 1877 (3)
ENGL 4	Introduction to Literature (3)	HIST 10	United States History — 1877 to Present (3)
ENGL 8	British Literature I (3)	HIST 18	Multicultural History of the United States (3)*
ENGL 10	British Literature II (3)	HIST 26	Men and Women in American History (3)
ENGL 14	U.S. Literature I (3)	HIST 30	History of the African American (3)*
ENGL 15	Film as Literature (3)	HUM 17	Comparative European Studies (3)
ENGL 16	U.S. Literature II (3)	HUM 22	Greco-Roman Cultures (3)
ENGL 20	Introduction to Poetry (3)	LATN 3	Third Semester Latin (4)
ENGL 21	Mythology (3)	PHIL 2	Introduction to Philosophy (3)
ENGL 25	Introduction to Shakespeare (3)	PHIL 4	Introduction to Ethics and the Good Life (3)
ENGL 26	Queer Film and Literature (3)*	PHIL10	History of Ancient Philosophy (3)

ENGL 31	Existential Lit.: A Literary Approach to Self Integ. (3)	PHIL 16	Western Religions (3)
ENGL 35	Cross-Cultural Film and Literature (3)**	PHIL 18	Eastern Religions (3)**
ENGL 45	Latino Literature and its Latin American Roots (3)*	SPAN 14	Hispanic Short Stories (3)
ENGL 47	Native American Literature (3)*	SPAN 16	Hispanic Film (3)

AREA 4 — SOCIAL AND BEHAVIORAL SCIENCES
Three courses, 9 semester units required with courses from at least two of the disciplines listed below

Agriculture Business			
AB 22	Agricultural Economics (3)		
Agriculture Science			
AGS 10	World Food and Hunger Issues (3) **		
American Sign Language			
ASL 10	Introduction to Deaf Culture (3)		
Anthropology and Archeology			
ANTH 4	Cultural Anthropology (3)**	ANTH 18	World Cultures (3)**
ANTH 4H	Honors Cultural Anthropology (3)**	ANTH 32	Native Americans (3)*
ANTH 14	Language and Culture (3)	ANTH 33	Ancient Mesoamerica (3) **
ANTH 16	Archeology and Ancient Societies (3)**	ANTH 34	Native Americans Today (3)*
Child Development			
CDF 14	Child Growth and Development (3) (Effective Fall 2021)*		
Communication Studies			
CMST 9	Intercultural Communication (3)*	CMST 13	Gender and Communication (3)
Economics			
ECON 2	Principles of Macroeconomics (3)	ECON 20H	Honors Economic History of the U.S. (3)
ECON 4	Principles of Microeconomics (3)	ECON 35	Introduction to Environmental Ethics (3)
ECON 20	Economic History of the U.S. (3)		
Geography			
GEOG 4	Cultural Geography (3)**	GEOG 10	Geography of California (3)*
GEOG 8	World Regional Geography (3)**		
History			
HIST 3	World History to 1500 (3)**	HIST 6	Modern World History (3)
HIST 5	World History since 1500 (3)**	HIST 18	Multicultural History of the United States (3)*
Multicultural and Gender Studies			
MCGS 8	Introduction to Multicultural and Gender Studies (3)*	MCGS 32	Introduction to African American Studies (3)*
MCGS 10	Introduction to Women's Studies (3)*	MCGS 36	Introduction to Chicano American Studies (3)*
Natural Resources			
NR 26	Environmental World (3)		
Political Science			
POS 2	United States Government (3)	POS 16	Vital Political Problems (3)
POS 3	Comparative Politics (3)	POS 18	International Relations (3)
Psychology			
PSY 1	Principles of Psychology (3)	PSY 15	Lifespan Psychology (3)
PSY 1H	Honors Principles of Psychology (3)	PSY 16	Psychology of Women (3)
PSY 6	Abnormal Psychology (3)	PSY 41	Socio-Cultural Context of Psychological Develop. (3)*
PSY 11	Pease Psychology (3)		
Radio, TV, Film			
RTVF 12	Mass Media and Society (3)		
Sociology and Criminology			

SOC 2	Principles of Sociology (3)	SOC 14	Sociology of Gender (3)
SOC 4	Modern Social Problems (3)	SOC 20	Introduction to Race and Ethnicity (3)*
SOC 5	Our Sustainable Future (3)	SOC 30	Sociology of Inequality (3)*
SOC 10	Introduction to Crime and Society (3)	SOC 30H	Honors Sociology of Inequality (3)*

AREA 5 — PHYSICAL and BIOLOGICAL SCIENCES

At least two courses, 7-9 semester units minimum, with one course each from 5A and 5B. The 5C requirement is met with the completion of a laboratory course or laboratory component from 5A or 5B. Courses that meet this requirement are marked with a "°".

5A — Physical Science

AGS 50°	General Soils (4)	PHYS 22°	College Physics II (4)
CHEM 1°	General Chemistry I (5)	PHYS 41°	Physics for Scientists and Engineers I (4)
CHEM 2°	General Chemistry II (5)	PHYS 42°	Physics for Scientists and Engineers II (4)
CHEM 11°	Introduction to Chemistry (4)	PHYS 43°	Physics for Scientists and Engineers III (4)
CHEM 21°	Organic Chemistry I (5)	PSC 10°	Introduction to Environmental Science (4)
CHEM 22°	Organic Chemistry II (5)	PSC 11°	Earth Science with Lab (4)
CHEM 51°	Elementary Inorganic Chemistry (5)	PSC 12°	Concepts in Physical Science (4)
CHEM 52°	Elementary Organic and Biochemistry (4)	PSC 20/21°	Introductory Physical Science w/Lab (4)
GEOG 2	Physical Geography (3)	PSC 27	Survey of the Universe
GEOG 2/3°	Physical Geography with Lab (4)	PSC 30°	Introductory Astronomy (4)
GEOL 32°	Physical Geology with Lab(4)	PSC 30H°	Honors Introductory Astronomy (4)
GEOL 34°	Historical Geology with Lab (4)	PSC 50/51°	Introduction to Weather with Lab (4)
PHYS 10/11°	Concepts of Physics with Lab (4)	PSC 53	Natural Disasters and Hazards (3)
PHYS 21°	College Physics I (4)		

5B — Biological Science

AGS 20°	Plant Science (3)	BIOL 10°	Survey of Human Systems (4)
ANTH 2	Physical Anthropology (3)	BIOL 15°	Introduction to Microbiology (5)
ANTH 2H	Honors Physical Anthropology (3)	BIOL 20°	Human Anatomy (4)
BIOL 1°	Introduction to Biology (4)	BIOL 21°	Human Physiology (4)
BIOL 2	Introduction to Human Biology (3)	BIOL 41°	Cell and Molecular Biology (5)
BIOL 5°	Ecology and Field Biology (4)	BIOL 42°	Organismal Biology (5)
BIOL 7	Sustaining Life on Earth (3)	BIOL 43°	Ecology and Evolution (5)
BIOL 9	Current Issues in Biology (3)	PSY 3	Introduction to Biological Psychology (3)
BIOL 9H	Honors Current Issues in Biology (3)		

5C– Laboratory Activity

The 5C requirement is met with the completion of a laboratory course or laboratory component from 5A or 5B. Courses that meet this requirement are marked with a "°".

AREA 6 — LANGUAGES OTHER THAN ENGLISH (UC Requirement Only)

Proficiency equivalent to two years of high school study in the same language. Any one of the following courses at Butte College will meet this requirement.

6A — Languages Other Than English

ASL 2	American Sign Language II (4)	JPN 2	Second Semester Japanese (4)
ASL 3	American Sign Language lll (4)	JPN 3	Third Semester Japanese (4)
CHIN 2	Second Semester Chinese (4)	JPN 4	Fourth Semester Japanese (4)
FREN 2	Second Semester French (4)	LATN 2	Second Semester Latin (4)
GERM 2	Second Semester German (4)	LATN 3	Third Semester Latin (4)
GERM 3	Third Semester German (4)	SPAN 2	Second Semester Spanish (4)
GERM 4	Fourth Semester German (4)	SPAN 3	Third Semester Spanish (4)
ITAL 2	Second Semester Italian (4)	SPAN 4	Fourth Semester Spanish (

U. S. History, Constitution, and American Ideals (CSU) and American History and Institutions (UC) requirements: *One course each from Category 1 and Category 2 will meet both the CSU and the UC graduation requirement.*

NOTE: *Most UC students meet the American History and Institutions graduation requirement through work completed in high school. Students are advised to consult a counselor to determine how to meet these requirements*

Category 1 — U.S. History			
ECON 20	Economic History of the U. S. (3)	HIST 10	United States History—1877 to Present (3)
ECON 20H	Honors Economic History of the U. S. (3)	HIST 18	Multicultural History of the United States (3)
HIST 8	United States History to 1877 (3)	HIST 26	Men and Women in American History (3)
Category 2 — Government			
POS 2	United States Government (3)	POS 12	California State and Local Government (3)‡
‡ (POS 12 is for CSU only and does not transfer to the UC)			

NOTE: CSU Chico requires all students to complete one course each in U.S. Diversity (*), Global Cultures (**), and Ethnic Studies (***). These courses also may meet General Education Requirements.

NOTE: Courses listed in more than one area can only be counted in one area

Academic Program Types and Requirements

Butte College Degrees and Certificates

Butte College is authorized by the Board of Governors of the California Community Colleges to confer the Associate Degree for Transfer, Associate in Arts Degree, Associate in Science Degree and Certificate of Achievement upon students who complete the necessary requirements. Each degree program requires completion of specific major and general education requirements.

Associate Degree for Transfer AA-T/AS-T

CSU GE Pattern or IGETC GE Pattern: Butte College offers associate degrees for transfer to the CSU system. These degrees are designed to provide a student with a clear, seamless pathway to a CSU major and baccalaureate degree. Students completing these degrees are guaranteed admission with junior standing in the CSU system with priority consideration given to admission into the CSU Chico campus in a program that is deemed similar to the completed degree. Note that this guarantee does not guarantee admission to a specific CSU campus; it guarantees admission to the CSU system.

Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. Students are encouraged to meet with a counselor to review their options for transfer and to develop a comprehensive student educational plan that best meets their transfer goals.

Local Associate Degrees AA/AS

Butte College Local GE Pattern: The Associate in Arts (AA) and Associate in Science (AS) Degrees offered by Butte College are designed to facilitate transfer to a four-year institution, fill a community need or directly serve an occupational need. To earn either degree a student must complete the Butte College Local GE pattern. AA and AS degrees may also contain Certificates.

Certificates of Achievement (CA) and Certificates (CERT)

Certificate of Achievement (CA) and Certificate (CERT) are designed to provide students with a specific skill set or mastery of a body of knowledge to enter skilled employment or as a developmental milestone toward entry into specific careers. Certificates (under 18 units) are often used as building blocks to larger programs such as Certificate of Achievement (18+ units) or Degree (major requirements plus general education). Gainful Employment Disclosure information is included with individual Career and Technical Education certificate of achievement programs in this catalog.

Requirements for each level of program

AA-T/AS-T (Associate Degree for Transfer)

- Minimum 60 CSU-transferable semester units (courses numbered 1-99)
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework
- Minimum grade of “C” (or “P” for each course in the major
- Completion of an AA-T or AS-T major as detailed in the specific program requirements
- Completion of CSU focused general education (CSU or IGETC GE pattern)
- Minimum of 12 units in residence at Butte College
- Complete a graduation application with a counselor by the deadline noted in the academic calendar

AA/AS (Associate Degree)

- Minimum 60 (courses numbered 1-199) semester units
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework
- Completion of an AA or AS major as detailed in the specific program requirements
- Completion of general education (AA/AS GE pattern) and competency requirements
- Minimum of 12 units in residence at Butte College
- Complete a graduation application with a counselor by the deadline noted in the academic calendar

CA (Certificate of Achievement)

- “C” grade or better for each course in the specific program requirements
- Minimum of 6 units in residence at Butte College
- Minimum cumulative grade point average of 2.0
- Submit Certificate of Achievement application found on the academic program page of the Butte College website

CERT (Certificate)

- “C” grade or better for each course used in the prescribed certificate
- See responsible department office listed on catalog page to apply.

Students should make an appointment to consult with a counselor about what option best fits their needs and application requirements for degrees and certificates. Call (530) 895-2378 to make an appointment.

AB 705

New legislation allows students to register directly into transfer level coursework. Visit the AB 705 website for more details: www.butte.edu/AB705

Application Requirements

Students must file a formal Application for Graduation by the deadline noted in the Academic Calendar and/or online Semester Class Schedule PDF. Applications are filed through the Counseling Center. Students may apply to graduate in any term. Official transcripts of prior college work attempted must be on file in the Office of Admissions and Records before the application can be considered.

Limitation to Degree Requirements

- Units graded Pass/No Pass—A maximum of 8 units graded with the symbol “P,” if optionally elected, apply toward graduation.
- Students may use the same course to meet a General Education requirement for the Associate Degree and to partially satisfy a General Education requirement of the California State University system in accordance with the provision of the Butte College transfer General Education

policy. Ethnic studies courses will be offered in at least one of the required areas.

Note: These limitations are not subject to waivers.

Remedial Coursework Limit

Remedial coursework refers to pre-collegiate basic skills courses in reading, writing, computation, learning skills, study skills, and English as a Second Language which are offered as non-degree credit courses. No student shall receive more than 30 semester units of credit for remedial coursework. A student who does not attain full eligibility status for college level work within this unit limit shall be dismissed and referred to adult, non-credit education courses.

The following students are exempt from the limitation on remedial coursework:

- Students enrolled in one or more courses of English as a Second Language;
- Students identified by the District as having a learning disability.

A student may, upon successful completion of appropriate coursework or upon demonstration of skill levels which will reasonably assure success in college-level courses, request reinstatement to proceed with college-level coursework by filing a petition and receiving approval from the Academic Council.

Note: Only one English (or ESL) course below the transferable freshman composition may be used towards the Associate Degree.

Scholarship Requirement

Students must maintain a minimum overall grade point average of 2.0 ("C" average) in all college course work.

Residence Requirement

Students must complete a minimum of 12 semester units at Butte College to obtain an AA/AS degree, a minimum of 6 semester units at Butte College to obtain a Certificate of Achievement.

General Education Philosophy and Student Learning Outcomes

General Education at Butte College involves much more than the acquisition of knowledge: it also involves using that knowledge to solve problems, reach academic and career goals, and achieve a deeper self-understanding. General Education at Butte College is rooted in the college's mission to promote learning as a lifelong endeavor.

General Education at Butte College is designed to familiarize students with the foundation, exploration, and application of multiple areas of knowledge. General Education provides an integrated program of study through which students can achieve measurable outcomes.

Students are encouraged to seek the assistance of an academic counselor in developing a pathway for completing General Education requirements.

Upon completion of General Education requirements for an Associate's degree, students will be able to:

- Describe how knowledge is synthesized, revised, advanced, and shared.
- Acknowledge diverse perspectives and discuss their significant impact throughout our global society.
- Apply fundamental knowledge to analytical, practical, or creative endeavors in pursuit of lifelong learning.
- Evaluate evidence to solve problems using discipline-specific theory and/or methods.
- Formulate responsible approaches to address contemporary individual and global challenges relating to culture, society, and the environment.

A. Natural Science

Upon successful completion of a course in the Natural Sciences area, the student will be able to:

- Investigate and describe specific evidence used to construct individual scientific principles;
- Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components;
- Utilize scientific methodologies when solving a problem.

B. Social and Behavioral Sciences

Upon successful completion of a course in the Social and Behavioral Sciences area, the student will be able to:

- Identify major theoretical orientations in the social and behavioral sciences and describe basic concepts regarding human behavior and thought;
- Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies;
- Apply discipline-specific principles to the development of interpersonal, occupational, and social skills suited to a diverse world.

C. Humanities

Upon successful completion of a course in the Humanities area, the student will be able to:

- Describe the ways in which arts, literature, philosophy, history or language reflect historical, intellectual and cultural contexts, as well as aesthetic values;
- Employ concepts and theories of the humanities to analyze and evaluate cultural artifacts;
- Apply the analytical tools of the humanities in order to construct meaning in personal, cultural, and social contexts.

D. English Composition

Upon successful completion of a course in the English Composition area, the student will be able to:

- Find, evaluate, analyze and synthesize appropriate primary and secondary sources in support of academic writing;
- Write a unified, well-developed essay with an arguable thesis, persuasive academic support, and clear awareness of audience and purpose.

E. Communication and Analytical Thinking

Upon successful completion of a course in the Communication and Critical Thinking area, the student will be able to:

- Identify and discuss the role communication or analytical thinking plays in academic, social, and professional endeavor;

- Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies in the given discipline;
- Construct and evaluate messages appropriate to particular communication situations relevant in the given discipline.

F. Self Integration and Physical Education

Upon successful completion of a course in the Self-Integration area, the student will be able to:

- Demonstrate an understanding of themselves as lifelong learners, integrating psychological, social and physiological dimensions of self;
- Articulate a broader understanding of people as integrated psychological, social and physiological beings;
- Analyze concepts related to personal development in areas such as health and wellness, nutrition, interpersonal relationships, sexuality, self-management, implications of death and dying, and key relationships of humankind to the social and physical environment.

Competency Requirements for Graduation

A. Reading and Writing Competency

Upon successful completion of the Reading and Writing Competency Requirement, the student will be able to:

- Write a unified, well-developed essay with an arguable thesis, persuasive academic support, and clear awareness of audience and purpose.

B. Mathematics Competency

Upon successful completion of the Mathematics Competency Requirement, the student will be able to:

- Interpret and explain mathematical problems in verbal, numerical, symbolic and graphical settings;
- Manipulate algebraic symbols and work a variety of algebra problems;
- Translate problem situations into an appropriate representation and use that representation to solve the problem at hand;
- Use a formula in a practical application to compute an outcome and determine if the outcome is reasonable.

C. Multicultural Competency

Upon successful completion of the Multicultural Competency Requirement, the student will be able to:

- Recognize and describe the range of experiences and perspectives that exist across diverse groups and among the individuals that comprise them;
- Recognize and describe shared values and experiences that unite people of diverse backgrounds;
- Identify the knowledge, skills, and behaviors that promote effective professional, social, and/or personal experiences.

Academic Programs

Search Butte College degree and certificate programs at **programs.butte.edu** to determine the right career and academic pathway for you.

Program	ADT	AS/ AA	CA	CC
Agriculture Business (AB)				
Agriculture Business, pg. 80, 81	•	•	•	
Accounting (ACCT)				
Accounting, pg. 70		•	•	
Account Clerk, pg. 71				•
Tax Preparer, pg. 71				•
Agricultural Engineering Technology (AET)				
Mechanized Agriculture, pg. 79		•	•	
Heavy Equipment Operator Technician, pg. 78			•	
Agriculture Science (AGS)				
Agriculture and Natural Resources, pg. 82		•		
Agriculture Science, pg. 82		•		
Administration of Justice (AJ)				
Administration of Justice, pg. 72, 73	•	•	•	
Court Personnel: Prelaw, pg.73, 74		•	•	
Criminal Justice, pg. 74		•		
Administration of Justice-Law Enforcement (AJLE)				
Law Enforcement Academy-Basic, pg. 74, 78		•	•	
Law Enforcement Academy-Basic/Fish & Wildlife Emphasis, pg. 75,76		•	•	
Law Enforcement Academy-Basic/State Parks Emphasis, pg. 76, 77		•	•	
Allied Health (ALH)				
Public Health Science, pg. 83	•			
Allied Health, pg. 84				•
Anthropology (ANTH)				
Anthropology, pg. 84	•			
Art (ART)				
Arts, pg. 86		•		
Art History, pg. 85	•			
Ceramics, pg. 87, 88		•	•	
Studio Arts, pg. 86	•			
Automotive Technology (AUT)				
Automotive Technology, pg. 88, 89		•	•	
Automotive Technology — Honda (PACT), pg. 89, 90		•	•	
Diesel Technology, pg. 90, 91		•	•	
Business Computer Information Systems (BCIS)				
Business Information Worker, pg. 99, 100		•	•	•
Legal Office Administration, pg. 101, 102		•	•	•
Medical Office Administration, pg. 102, 103		•	•	
Basic Computer Competency, pg. 99				•
Biology (BIOL)				
Biology, pg. 92, 93	•	•		
Business (BUS)				
Business Administration, pg. 93, 94	•	•		
Business Management, pg. 95		•	•	

Program	ADT	AS/ AA	CA	CC
Business on the Web, pg. 96				•
Human Resources, pg.96				•
Marketing, pg. 96, 97		•	•	
Retail Management, pg. 97			•	
Small Business/Entrepreneurship, pg. 98		•		
Child Development and Family Relations (CDF)				
Child and Adolescent Development, pg. 104	•			
Child Development, pg. 106		•		
Early Childhood Education, pg. 105, 107, 108	•	•	•	•
Child and Family Studies, pg. 106				•
Chemistry (CHEM)				
Chemistry, pg. 104		•		
Communication Studies (CMST)				
Communication Studies, pg. 109	•	•		
Construction (CNST)				
Applied Construction, pg. 116			•	
Construction Management, pg. 117		•	•	
Cosmetology (COS)				
Cosmetology, pg. 118		•	•	
Cosmetology to Barbering Crossover, pg. 119				•
Manicuring, pg. 119				•
Computer Science (CSCI)				
Advanced Cyber-Security Practitioner, pg. 110, 111		•	•	
Computer Animation and Game Development, pg. 112		•		
Computer Information Systems, pg. 113		•		
Computer Programming, pg. 113, 114		•	•	
Computer Science, pg. 110, 114	•	•		
Computer Support Technician, pg. 114				•
Computer System Administration, pg. 115		•	•	
Microsoft Server Administration, pg. 116				•
Cisco Network Administration, pg. 112				•
Drafting (DFT)				
Drafting and CAD Technology, pg. 120, 121		•	•	
3D Mechanical Applications, pg. 120				•
Architectural Drafting & Modeling, pg. 120				•
Drama (DRAM)				
Theatre Arts, pg. 121, 122	•			•
Economics (ECON)				
Economics, pg. 123	•			
Education (EDUC)				
Elementary Teacher Education, pg. 123	•			
Liberal Studies, pg. 124		•		
Liberal Studies: Bilingual Pattern, pg 125		•		
Para Education, pg. 125				•
Environmental Horticulture (EH)				
Agriculture Plant Science, pg. 132	•			

Program	ADT	AS/ AA	CA	CC
Environmental Horticulture, pg. 132, 133		•	•	
Landscape/Turfgrass Technician, pg. 133			•	
Nursery Technician, pg. 134			•	
Plant Protection, pg. 134			•	
Emergency Medical Services (EMS)				
Paramedic, pg. 126, 127		•	•	
Emergency Medical Responder (EMR), pg. 126				•
Emergency Medical Technician (EMT), pg. 126				•
English (ENGL)				
English, pg. 129	•			
Language Arts, pg. 130		•		
Engineering (ENGR)				
Civil Engineering Technology, pg. 128		•	•	
Engineering, pg. 129		•		
English as a Second Language (ESL)				
Noncredit Certificate of Competency in ESL, pg. 131				•
Noncredit Certificate of Completion in VESL, pg. 131				•
Fashion (FASH)				
Fashion Merchandising, pg. 136, 137		•	•	
Clothing Construction, pg. 135				•
Fashion Design, pg. 136				•
Fire Science (FSC)				
Fire Technology, pg. 137, 138		•	•	
Firefighter I Academy, pg. 138			•	
BASIC 32, pg. 137				•
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Incident Command-Logistics, pg. 139				•
Incident Command-Operations, pg. 140				•
Incident Command-Planning, pg. 140				•
Foods and Nutrition (FN)				
Nutrition & Dietetics, pg. 141	•			
Nutrition & Food Science, pg. 141		•		
Geography (GEOG)				
Geography, pg. 142	•			
Geographic Information System, pg. 143				•
Geology (GEOL)				
Geology, pg. 144	•			
Health Information Management (HIM)				
Medical Coding, pg. 144			•	
History (HIST)				
History, pg. 149	•			
Honors (HON)				
Honors Program, pg. 149			•	
Heating, Ventilation, and Air Conditioning (HVAC)				

Program	ADT	AS/ AA	CA	CC
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HVACR, pg. 145, 146		•	•	
Residential HVACR, pg. 147			•	
HVACR Level I, pg. 146				•
HVACR Level II, pg. 147				•
HVACR Level III, pg. 148			•	
HVACR Level IV, pg. 148			•	
Journalism (JOUR)				
Journalism, pg. 150	•			
Kinesiology (KIN)				
Kinesiology, pg. 151	•	•		
Physical Education: Exercise Physiology, pg. 152		•		
Mathematics (MATH)				
Mathematics, pg. 157, 158	•	•		
Multicultural and Gender Studies (MCGS)				
Multicultural and Gender Studies, pg. 158		•		
Manufacturing (MFG)				
Advanced Manufacturing, pg. 153, 154		•	•	
Manufacturing Operations, pg. 155			•	
Production Management, pg. 156			•	
Advanced Manufacturing Level I, pg. 156			•	
Advanced Manufacturing Level II, pg. 157			•	
Advanced Manufacturing Level III, pg. 154				•
Advanced Manufacturing Level IV, pg. 155				•
Multimedia Studies Program (MSP)				
Multimedia Studies, pg. 161, 162		•	•	
2D Animation and Games, pg. 159				•
Graphic Design, pg. 159		•		
Graphic Design for Print, pg. 160		•		
Music (MUS)				
Music, pg. 162	•			
Recording Arts, pg. 162, 163		•	•	•
Natural Resources (NR)				
Ecological Restoration, pg. 164				•
Forestry Technician, pg. 164				•
Natural Resources Management, pg. 164		•		
Parks and Recreation, pg. 165				•
Wildlife Technician, pg. 165				•
Nursing (NSG)				
Licensed Vocational Nursing, pg. 167, 168		•	•	
Registered Nursing: LVN to ADN, pg. 170, 171		•	•	
Registered Nursing, pg. 169		•		
Acute Care Nurse Assistant, pg. 166				•
Home Health Aide, pg. 167				•
Certified Nursing Assistant, pg. 166				•

Program	ADT	AS/ AA	CA	CC
Occupational and Life Skills (OLS)				
Navigating Work Space Communication and Culture, pg. 172				•
Noncredit Certificate of Completion in Occupational & Life Skills, pg. 172				•
Philosophy (PHIL)				
Philosophy, pg. 173	•			
Photography (PHO)				
Photography, pg. 173, 174		•		•
Physics (PHYS)				
Physics, pg. 176	•	•		
Political Science (POS)				
Political Science, pg. 177	•			
Leadership & Civic Engagement, pg. 177				•
Physical Science (PSC)				
Environmental Science, pg. 174		•		
Physical Science, pg. 175		•		
Psychology (PSY)				
Psychology, pg. 178	•			
Peace and Global Studies, pg. 178			•	
Real Estate (RLS)				
Real Estate, pg. 182		•	•	
Real Estate Appraisal, pg. 183				•
Real Estate Sales, pg. 183				•
Respiratory Therapy (RT)				
Respiratory Care, pg. 184, 185				
Radio-TV-Film (RTVF)				
Film, Television and Electronic Media, pg. 180	•			
Radio-TV-Film: Video Production, pg. 181		•	•	
Mass Media Studies, pg. 180				•
Single Camera Video Production, pg. 181				•
Sociology (SOC)				
Social and Behavioral Science, pg. 187		•		
Sociology, pg. 186	•			
Sustainability Studies, pg. 188				•
Spanish (SPAN)				
Spanish, pg. 189	•			
Special Education Training (SPED)				
Special Education for Instructional Service Agreement Instructors, pg. 189				•
Welding (WLD)				
Welding Technology, pg. 190, 191		•	•	
PowerPathway Gas Pipeline Welding, pg. 190				•
Welding Technology Level I, pg. 191				•
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Programs by Department

Accounting

Accounting (ACCT) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01308.00AS

Students planning an accounting career should be detail-oriented, be able to analyze and interpret facts and figures quickly and accurately, and make sound decisions. They must also be able to communicate the results. Patience, persistence, self-discipline, and concentration are essential. High school students considering an accounting career are encouraged to take English, mathematics, computer, accounting, and related business courses.

The Accounting program is designed to enable students to: set up, complete, adjust, and summarize records of business activities according to accepted accounting principles and techniques; use accounting information to enhance business planning, decision making, problem solving, and management control; and apply both financial and managerial accounting principles and techniques.

Accounting employment opportunities are expected to increase faster than for many other occupations due to pressure on business and governmental agencies to improve their financial accountability. Demand for skilled accountants will rise as managers rely more on accounting information to make decisions. Knowledge of basic computer applications is essential.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Accumulate, record, and analyze financial data.
2. Prepare accurate reports for decision making and regulatory compliance.
3. Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.

Required courses:		39.00
ACCT 20	Introduction to Accounting	3.00
BCIS 46	Business Math Calculations	2.00
BCIS 13	Business Communication	3.00
BUS 20	Introduction to Business	3.00
BCIS 81	Microsoft Excel for Business	1.00
ACCT 2	Financial Accounting	4.00
BUS 8	Introduction to Business Law	3.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BUS 35	Leading and Supervising Teams	3.00
ACCT 4	Managerial Accounting	4.00
ACCT 110	Accounting for Payroll	3.00
BCIS 33	Skills for the Working Professional	1.00
ACCT 30	Accounting Capstone	4.00
BUS 64	Principles of Marketing	3.00

Total: 39.00

Accounting (ACCT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01308.00CA

See AS Degree in Accounting.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Accumulate, record, and analyze financial data.
2. Prepare accurate reports for decision making and regulatory compliance.
3. Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.

Required courses:		28.00
ACCT 20	Introduction to Accounting	3.00
BCIS 46	Business Math Calculations	2.00
BCIS 13	Business Communication	3.00
BUS 20	Introduction to Business	3.00
BCIS 81	Microsoft Excel for Business	1.00
ACCT 2	Financial Accounting	4.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BUS 35	Leading and Supervising Teams	3.00
ACCT 110	Accounting for Payroll	3.00
BCIS 33	Skills for the Working Professional	1.00
BUS 64	Principles of Marketing	3.00

Total: 28.00

Account Clerk (ACCT) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ACCT.CC

See AS Degree in Accounting.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Utilize double entry bookkeeping system to record common business transactions.
2. Employ accounting and business terminology to describe business transactions and scenarios.
3. Record payables and receivables using QuickBooks or similar accounting programs.
4. Demonstrate proficiency with commonly used office software programs.

Required courses:		14.00-15.00
Select one:		2.00-3.00
ACCT 128	Small Business Accounting	2.00
ACCT 20	Introduction to Accounting	3.00
BCIS 46	Business Math Calculations	2.00
BCIS 13	Business Communication	3.00
BCIS 81	Microsoft Excel for Business	1.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BCIS 33	Skills for the Working Professional	1.00
Electives - 1 course from the following:		3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 62	Money & Happiness: Cultural, Psychological and Economic Factors	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 14.00-15.00

Tax Preparer (ACCT) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: TAXPREP.CC

The requirements for becoming a licensed tax preparer and the rules and regulations governing licensed tax preparers are reviewed. Students planning an accounting career should be detail-oriented, be able to analyze and interpret facts and figures quickly and accurately, and make sound decisions. They must also be able to communicate the results. Patience, persistence, self-discipline, and concentration are essential.

Students who complete this certificate are eligible to assist tax professionals in an accounting office, a financial institution, an enrolled agent's office, the Internal Revenue Service, the California State Franchise Tax Board, or a state licensed tax preparer's office.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.
2. Recognize and apply basic state and federal income taxation laws to individual tax return forms.

Required courses:		12.00
ACCT 20	Introduction to Accounting	3.00
ACCT 105	Income Tax Preparation	4.00
BCIS 46	Business Math Calculations	2.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BCIS 81	Microsoft Excel for Business	1.00
Electives - Select 3 units from the following:		3.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 62	Money & Happiness: Cultural, Psychological and Economic Factors	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 15.00

Administration of Justice

Administration of Justice (AJ) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31042.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the historical development and philosophy of law.
2. Perform legal research independently and interpret, analyze and defend appellate court decisions.
3. Demonstrate an understanding of the characteristics of crime and criminality, and the criminal justice system in the United States.

Required courses:		18.00-19.00
Required Core		6.00
AJ 2	Administration of Justice	3.00
AJ 4	Criminal Law	3.00
List A: Select two		6.00
AJ 11	Criminal Procedure	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
List B: Select two or any course from List A not already used		6.00-7.00
SOC 2	Principles of Sociology	3.00
PSY 1	Principles of Psychology	3.00
AJ 14	Community Oriented Policing	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 18.00-19.00

Administration of Justice (AJ) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 07269.00AS

The Administration of Justice program, with an emphasis in law enforcement, provides students with the skills and knowledge to assist them in obtaining employment in a variety of areas, including law enforcement, corrections, probation, and fish and wildlife.Those already working in law enforcement may take courses at Butte College to enhance their chances for promotional advancement.Students need competency in reading and writing. High school students should take courses in speech, English composition and basic math.

Students in this program will improve their ability to read, write, and analyze situations. Students also will gain a basic understanding of California laws and case law.The AS degree should be considered a step towards a higher degree or specialized instruction. Students who complete the two-year AS degree will have the knowledge and skills to assist them in seeking employment in many different areas of law enforcement.

There are many job opportunities available in federal, state, county and municipal law enforcement. Employment is also available in state and local correctional facilities and county probation offices. To compete successfully with other law enforcement applicants, individuals must be well trained and have a broad educational background. Most positions require at least an Associates degree.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the historical development and philosophy of law.
2. Perform legal research independently and interpret, analyze and defend appellate court decisions.
3. Communicate effectively in a variety of situations and prepare acceptable investigative reports.
4. Identify and describe modus operandi, basic crime scene investigation, proper identification and collection of evidence.
5. Describe interview and lawful interrogation techniques.

Required courses:		33.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 13	Organized Crime/Gangs	3.00
AJ 14	Community Oriented Policing	3.00
AJ 99	Work Experience-AJ	1.00

Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00

Total: 33.00

Administration of Justice (AJ) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 07269.00CA

See AS Degree in Admininistration of Justice.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the historical development and philosophy of law.
2. Perform legal research independently and interpret, analyze and defend appellate court decisions.
3. Communicate effectively in a variety of situations and prepare acceptable investigative reports.
4. Identify and describe modus operandi, basic crime scene investigation, proper identification and collection of evidence.
5. Describe interview and lawful interrogation techniques.

Required courses:		30.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 13	Organized Crime/Gangs	3.00
AJ 14	Community Oriented Policing	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 99	Work Experience-AJ	1.00

Total: 30.00

Court Personnel/Pre-law (AJ) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 11136.00AS

This program is designed around a core of law-related courses. From this basic core, a student can expand into a number of specialized areas such as pre-law, court personnel, paralegal, law enforcement, public administration, social welfare, and probation. Students entering the program should have a high level of reading and writing ability. It is recommended that students still in high school concentrate on English and business skills. The AS degree should be considered a step towards a higher degree or specialized instruction.

There are many opportunities available including: positions in a private law firm, district attorney's office, court, social welfare agency, educational institution and all law enforcement-related offices.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate an understanding of complex laws, court decisions, the court system and legal process and their impact on government, business and society.
2. Demonstrate effective critical thinking, analytical and problem solving skills.
3. Effectively interpret, integrate, synthesize and apply complex information from multiple sources.

Required course:		36.00-39.00
ACCT 20	Introduction to Accounting	3.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 11	Criminal Procedure	3.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
POS 12	California State and Local Government	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		1.00-3.00
BCIS 60	Advanced Legal Office Procedures	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
AJ 99	Work Experience-AJ	1.00

Total: 36.00-39.00

Court Personnel/Pre-law (AJ) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 11136.00CA

See AS Degree in Court Personnel/Pre-law.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate an understanding of complex laws, court decisions, the court system and legal process and their impact on government, business and society.
2. Demonstrate effective critical thinking, analytical and problem solving skills.
3. Effectively interpret, integrate, synthesize and apply complex information from multiple sources.

Required courses:		29.00-30.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 11	Criminal Procedure	3.00
BUS 8	Introduction to Business Law	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00
AJ 99	Work Experience-AJ	3.00

Total: 29.00-30.00

Criminal Justice (AJ) - AS Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 16981.00AS

The Criminal Justice degree is designed for students who plan to earn a Bachelor's degree in Criminal Justice or related fields at CSU, Chico. This transfer major may also serve as the basis for students who are interested in pre-law. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the historical development and philosophy of law.
2. Perform legal research independently and interpret, analyze and defend appellate court decisions.
3. Communicate effectively in a variety of situations, and prepare acceptable investigative reports.
4. Identify and describe modus operandi, basic crime scene investigation, proper identification and collection of evidence.
5. Describe interview and lawful interrogation techniques.

Required courses:		18.00
AJ 2	Administration of Justice	3.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
AJ 14	Community Oriented Policing	3.00

Total: 18.00

Administration of Justice Law Enforcement

Law Enforcement Academy - Basic (AJLE) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local

Program Code: 17935.00AS

The Law Enforcement Academy program 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. Typically, the Basic Law Enforcement Academy begins in July and again in January. For the AS degree employable skills are developed in conjunction with General Education.

Careers in law enforcement are constantly open statewide. Satisfactory completion of the Butte College Basic Law Enforcement Academy qualifies graduates to apply for these positions.

The California Commission on Peace Officer Standards and Training designates 42 areas of law enforcement instruction designed to prepare academy graduates for entry-level law enforcement positions.

Admission to the Program
Students are admitted by special application only. Admission to the program is based on scores on the POST Entry-Level Exam, completing a 1.5 mile run in 15 minutes or less, and other special requirements.

For more information about the Butte College Law Enforcement-Basic program, or to apply for admission to the program, please go to our website: www.butte.edu/departments/careertech/publicsafety/law_enforcement.html

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate competency in 42 P.O.S.T. learning domains.
2. Demonstrate, through written exams, crime scene scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.
3. Demonstrate, through written exams, P.O.S.T. scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.

Required courses:		36.50
AJLE 140	Law Enforcement Academy	34.50
AJLE 100	Law Enforcement Academy Physical Training	2.00

Total: 36.50

Law Enforcement Academy - Basic/Fish and Wildlife Emphasis (AJLE) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 18988.01AS

The Law Enforcement Academy program Fish and Wildlife emphasis 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 academy also emphasizes laws and regulations regularly enforced by the Department of Fish and Wildlife. For the AS degree employable skills are developed in conjunction with General Education.

Careers in law enforcement are constantly open statewide. Satisfactory completion of the Butte College Basic Law Enforcement Academy with a Fish and Wildlife emphasis qualifies graduates to apply for these positions. The California Commission on Peace Officer Standards and Training designates 42 areas of law enforcement instruction designed to prepare academy graduates for entry-level law enforcement positions.

Admission to the program
Students are admitted by special application only. Admission to the program is based on scores on the POST Entry-Level Exam, completing a 1.5 mile run in 15 minutes or less, and other special requirements. Employment information for the CA Department of Fish and Wildlife is available on their website at: www.dfg.ca.gov/enforcement/academy.aspx

For more information about the Butte College Law Enforcement Academy-Basic/Fish and Wildlife Emphasis, and to apply for admission to the program, please go to our website at: https://www.butte.edu/departments/careertech/publicsafety/fish_game.html

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Meet or exceed the requirements as set forth by Peace Officer Standards and Training (P.O.S.T.) for California peace officer training.
2. Demonstrate, through written exams, crime scene scenario testing and manipulative skills, core competencies as mandated by P.O.S.T.
3. Demonstrate, through written exams, crime scene scenario testing and manipulative skills, core competencies as mandated by the California Department of Fish and Wildlife.

Required courses:		50.00
AJLE 141	Law Enforcement Academy; Fish and Wildlife Emphasis	48.00
AJLE 100	Law Enforcement Academy Physical Training	2.00

Total: 50.00

Law Enforcement Academy - Basic/Fish and Wildlife Emphasis (AJLE) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 17970.01CA

See AS Degree in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis.

Admission to the Program
See Admission to the program for the AS Degree in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Meet or exceed the requirements as set forth by Peace Officer Standards and Training (P.O.S.T.) for California peace officer training.
2. Demonstrate, through written exams, crime scene scenario testing and manipulative skills, core competencies as mandated by P.O.S.T.
3. Demonstrate, through written exams, crime scene scenario testing and manipulative skills, core competencies as mandated by the California Department of Fish and Wildlife.

Required courses:		50.00
AJLE 141	Law Enforcement Academy; Fish and Wildlife Emphasis	48.00
AJLE 100	Law Enforcement Academy Physical Training	2.00
		Total: 50.00

Law Enforcement Academy - Basic/State Parks Emphasis (AJLE) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 35937.00AS

The Law Enforcement Academy program (State Parks emphasis) is designed to prepare students to meet entry-level requirements for jobs in the law enforcement profession generally, and with the California Department of Parks and Recreation specifically. The curriculum has sufficient breadth to allow students to pursue a career in a variety of law enforcement agencies in peace officer positions. This academy also emphasizes laws and regulations regularly enforced by the Department of Parks and Recreation.

Careers in law enforcement as peace officers are constantly open statewide. There are currently thousands of peace officer job openings in the State of California, with at least 2770 additional openings expected each year for the next several years. Additionally, the State of California, Department of Parks and Recreation has over 125 current vacancies and is experiencing approximately 55-60 peace officer vacancies each year. Satisfactory completion of the Butte College Basic Law Enforcement Academy with a State Parks emphasis meets the 42 Learning Domain requirements for the California Commission on Peace Officer Standards and Training and qualifies graduates to apply for these entry-level peace officer positions.

Admission to the Program
Students are admitted to this program by special application only. Students must either be approved, accepted and employed as State Park Peace Officer Cadet Rangers or Lifeguards for the California Department of Parks and Recreation or as peace officer trainees by a California law enforcement agency, or they must meet the following requirements:

- Must have a high school diploma from an accredited high school, or a GED Certificate;
- Must pass Peace Officer Standards and Training Entry Level Law Enforcement Test Battery (PELLET-B) exam with a score of 42 or higher;
- Must pass Law Enforcement Academy Physical Training Test, a 1.5 mile run which must be completed in 15minutes of less, and no more than 3 months prior to the first day of the academy;
- Must complete Butte College Law Enforcement Academy Orientation;
- Must possess a valid, unrestricted driver's license with no current or recent suspensions;
- Must provide California Department of Justice clearance within 90 days of the start of the academy which confirms that the applicant has no felony or misdemeanor convictions or circumstances which would prohibit possession of a firearm; and
- Must provide proof of completion of a medical suitability examination

Additional information about the Butte College Law Enforcement Academy-Basic/State Parks Emphasis, and application for admission to the program, is available at: www.butte.edu/departments/careertech/publicsafety/state-park-ranger.html

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Meet or exceed the requirements as set forth by Peace Officer Standards and Training (P.O.S.T.) for California Peace Officer training.
2. Demonstrate, through written exams, crime scene scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.

3. Demonstrate, through written exams, DPR scenario testing, and manipulative skills, core competencies as mandated by DPR.
4. Evaluate and manage their physical fitness and maintain a healthy lifestyle in order to safely and effectively perform peace officer duties.
5. Describe the connection between proper nutrition and maintaining body composition, physical conditioning, and reducing the risk of illness or injury.
6. Identify and describe common health problems and utilize appropriate risk management techniques to ensure health and physical fitness.
7. Demonstrate competency through written examinations and a themed interpretive presentation in Basic Interpretive Learning Systems (BILS).
8. Describe and interpret state and federal laws, rules, regulations decisions, court cases and guidelines which relate to accessibility to public parks and interpretive programs.
9. Describe the public safety officer's role in the EMS system.
10. Demonstrate technical proficiency in all skills necessary to fulfill the role of an Emergency Medical Responder.
11. Demonstrate competence and understanding of the "Four Basic Safety Rules" for handling firearms.
12. Demonstrate the ability to field strip a rifle and to properly clean and maintain it.
13. Explain policy regarding the use of firearms.
14. Demonstrate the ability to properly load, unload, clear malfunctions and fire a rifle.
15. Demonstrate the fundamentals of rifle marksmanship to fire accurately from the prone, kneeling, sitting and standing positions.
16. Demonstrate proficiency and obtain qualification as being certified as competent in the use of a rifle.

Required courses:		56.50
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 130	Law Enforcement Academy; Basic/State Parks Emphasis	46.00
AJLE 131	Basic Interpretation Learning System (BILS); State Parks Emphasis	4.50
AJLE 132	Emergency Medical Responder; State Parks Emphasis	3.50
AJLE 133	Patrol Rifle	0.50

Total: 56.50

Law Enforcement Academy - Basic/State Parks Emphasis (AJLE) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 36240.00CA

The Law Enforcement Academy program (State Parks emphasis) is designed to prepare students to meet entry-level requirements for jobs in the law enforcement profession generally, and with the California Department of Parks and Recreation specifically. The curriculum has sufficient breadth to allow students to pursue a career in a variety of law enforcement agencies in peace officer positions. This academy also emphasizes laws and regulations regularly enforced by the Department of Parks and Recreation.

Careers in law enforcement as peace officers are constantly open statewide. There are currently thousands of peace officer job openings in the State of California, with at least 2770 additional openings expected each year for the next several years. Additionally, the State of California, Department of Parks and Recreation has over 125 current vacancies and is experiencing approximately 55-60 peace officer vacancies each year. Satisfactory completion of the Butte College Basic Law Enforcement Academy with a State Parks emphasis meets the 42 Learning Domain requirements for the California Commission on Peace Officer Standards and Training and qualifies graduates to apply for these entry-level peace officer positions.

Admission to the Program
Students are admitted to this program by special application only. Students must either be approved, accepted and employed as State Park Peace Officer Cadet Rangers or Lifeguards for the California Department of Parks and Recreation or as peace officer trainees by a California law enforcement agency, or they must meet the following requirements:

- Must have a high school diploma from an accredited high school, or a GED Certificate;
- Must pass Peace Officer Standards and Training Entry Level Law Enforcement Test Battery (PELLET-B) exam with a score of 42 or higher;
- Must pass Law Enforcement Academy Physical Training Test, a 1.5 mile run which must be completed in 15minutes of less, and no more than 3 months prior to the first day of the academy;
- Must complete Butte College Law Enforcement Academy Orientation;
- Must possess a valid, unrestricted driver's license with no current or recent suspensions;
- Must provide California Department of Justice clearance within 90 days of the start of the academy which confirms that the applicant has no felony or misdemeanor convictions or circumstances which would prohibit possession of a firearm; and
- Must provide proof of completion of a medical suitability examination

Additional information about the Butte College Law Enforcement Academy-Basic/State Parks Emphasis, and application for admission to the program, is available at: www.butte.edu/departments/careertech/publicsafety/state-park-ranger.html

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Meet or exceed the requirements as set forth by Peace Officer Standards and Training (P.O.S.T.) for California Peace Officer training.
2. Demonstrate, through written exams, crime scene scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.
3. Demonstrate, through written exams, DPR scenario testing, and manipulative skills, core competencies as mandated by DPR.
4. Evaluate and manage their physical fitness and maintain a healthy lifestyle in order to safely and effectively perform peace officer duties
5. Describe the connection between proper nutrition and maintaining body composition, physical conditioning, and reducing the risk of illness or injury.
6. Identify and describe common health problems and utilize appropriate risk management techniques to ensure health and physical fitness.
7. Demonstrate competency through written examinations and a themed interpretive presentation in Basic Interpretive Learning Systems (BILS).
8. Describe and interpret state and federal laws, rules, regulations decisions, court cases and guidelines which relate to accessibility to public parks and interpretive programs.
9. Describe the public safety officer’s role in the EMS system.
10. Demonstrate technical proficiency in all skills necessary to fulfill the role of an Emergency Medical Responder.
11. Demonstrate competence and understanding of the "Four Basic Safety Rules" for handling firearms.
12. Demonstrate the ability to field strip a rifle and to properly clean and maintain it.
13. Explain policy regarding the use of firearms.
14. Demonstrate the ability to properly load, unload, clear malfunctions and fire a rifle.
15. Demonstrate the fundamentals of rifle marksmanship to fire accurately from the prone, kneeling, sitting and standing positions.
16. Demonstrate proficiency and obtain qualification as being certified as competent in the use of a rifle.

Required courses:		56.50
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 130	Law Enforcement Academy; Basic/State Parks Emphasis	46.00
AJLE 131	Basic Interpretation Learning System (BILS); State Parks Emphasis	4.50
AJLE 132	Emergency Medical Responder; State Parks Emphasis	3.50
AJLE 133	Patrol Rifle	0.50
		Total: 56.50

Law Enforcement Academy-Basic (AJLE) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 33254.00CA

See AS Degree in Law Enforcement Academy-Basic.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Evaluate and manage their physical fitness and maintain a healthy lifestyle in order to safely and effectively perform peace officer duties.
2. Meet or exceed the basic training requirements of 42 comprehensive Learning Domains as set forth by the Commission on Peace Officer Standards and Training for entry level California peace officers.
3. Demonstrate the manipulative skills and core competencies mandated by the Commission on Peace Officer Standards and Training for entry level California peace officers.

Required courses:		37.00
EDUC 10	Critical Skills for College Success	0.50
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 140	Law Enforcement Academy	34.50
		Total: 37.00

Agricultural Engineering Technology

Heavy Equipment Operator Technician (AET) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 07260.00CA

The Heavy Equipment Operator Technician program can be obtained in one-year. It is an exciting, hands-on approach is used to introduce students to a wide range of skills for classroom laboratory work to closely reflect field experiences. Construction equipment operation requires good hand-eye coordination and demands attention to details like timelines, precision driving, coordination of multiple operations, and following plan directions.

Development of problem solving skills and safe and cooperative work habits is emphasized.

Students who successfully complete the program requirements will have the operation, repair and diagnostic skills necessary to obtain entry-level employment. Each year, the demand for qualified operators and maintenance technicians increases. Our partners include Operating Engineers Local 3, CalTrans, CDF, local and statewide contractors, and agriculture companies. Most jobs are obtained with smaller contractors. Jobs are also available in production agriculture, land leveling, orchard removal, and with other agricultural employers.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the principles of operation and maintenance required to operate and support modern agricultural and industrial powered equipment.
2. Demonstrate the ability to safely and correctly maintain and operate a range of agricultural and industrial powered equipment.
3. Evaluate career opportunities, prospective employers, and skills necessary to achieve employment.

Required courses:		31.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 26	Basic Surveying	3.00
AET 30	Tractors and Crawlers	3.00
AET 44	Grade Setting	2.00
AET 38	Diesel Engines and Machine Systems	4.00
WLD 20	Beginning Welding	4.00
AET 34	Farm Machinery	3.00
AET 35	Heavy Equipment Methods	3.00
AET 36	Heavy Equipment Operation	6.00
AET 43	Hydraulic and Pneumatic Systems	2.00

Total: 31.00

Mechanized Agriculture (AET) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01305.00AS

The Mechanized Agriculture program offers students an option to earn either a one-year Certificate of Achievement or an AS degree. An exciting, hands-on approach introduces students to a wide range of mechanical skills dealing with the operation, maintenance and repair of small to midsize gasoline, diesel and electrically-operated equipment. Problem solving, emphasizing safe and cooperative work habits, is encouraged. Success in this program will be enhanced by high school work in shop and basic skills classes. Wherever power equipment is operated, maintained or repaired, there exists a need for well-trained employees. Production agriculture and its equipment suppliers, the rental industry, landscape businesses, recreation and construction industries are just a few of the employment possibilities.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and demonstrate proper use, care, and adjustment of common and precision tools and machines found in a mechanized agriculture shop.
2. Operate wheel and track type tractors safely and properly.
3. Perform operator level maintenance and adjustments of tractor systems.
4. Analyze and match the proper tractor and equipment to do the job correctly and efficiently.

Required courses:		41.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 25	Computer Applications in Agriculture	3.00
AET 30	Tractors and Crawlers	3.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
AB 54	Supervision and Management in Agriculture	3.00
AET 34	Farm Machinery	3.00
AET 36	Heavy Equipment Operation	6.00
AET 38	Diesel Engines and Machine Systems	4.00
AET 43	Hydraulic and Pneumatic Systems	2.00
WLD 20	Beginning Welding	4.00
AGS 99	Work Experience-AGS	2.00
Select one:		3.00
AET 22	Natural Resources and Agri-Construction	3.00
EH 22	Landscape Construction	3.00

Total: 41.00

Mechanized Agriculture (AET) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01305.00CA

See AS Degree in Mechanized Agriculture.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and demonstrate proper use, care, and adjustment of common and precision tools and machines found in a mechanized agriculture shop.
2. Operate wheel and track type tractors safely and properly.
3. Perform operator level maintenance and adjustments of tractor systems.
4. Analyze and match the proper tractor and equipment to do the job correctly and efficiently.

Required courses:		26.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AET 38	Diesel Engines and Machine Systems	4.00
AET 34	Farm Machinery	3.00
AET 36	Heavy Equipment Operation	6.00
WLD 20	Beginning Welding	4.00
AET 43	Hydraulic and Pneumatic Systems	2.00
Select one:		3.00
AET 22	Natural Resources and Agri-Construction	3.00
EH 22	Landscape Construction	3.00

Total: 26.00

Agriculture Business

Agriculture Business (AB) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 33579.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Accumulate, record, and analyze agricultural financial statements
2. Analyze specific markets to explain and predict changes in price and economic behavior
3. Demonstrate core management principles and apply them to different working scenarios.
4. Apply core marketing principles to the unique structure of the agriculture sector.
5. Demonstrate effective verbal and written communication in an agricultural business environment.
6. Recognize consumer and producer responsiveness to changing market conditions.

Required courses:		23.00
Required Core:		
AGS 50	General Soils	4.00
AB 22	Agricultural Economics	3.00
ECON 2	Principles of Macroeconomics	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List A: Select three		9.00
AB 26	Introduction to Agriculture Business	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 50	Agricultural Accounting	3.00
Select one:		3.00
AGS 40	Introduction to Animal Science	3.00
AGS 20	Plant Science	3.00

Total: 23.00

Agriculture Business (AB) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01301.01AS

The Agriculture Business program provides the student with employable skills and provides a framework for further study if desired. Course work is practical and broad-based. Emphasis is placed on the development of skills in business management, marketing, finance, computers, human relations, and agricultural accounting. The computer labs, campus farm, and greenhouses provide an ideal setting for hands on learning. To gain practical experience on and off campus internships are available. Numerous area agriculture businesses provide opportunities for

field trips, internships, and employment. Student clubs such as the Agriculture Ambassadors provide opportunities for leadership development and community service.

A career in Agriculture Business is both financially rewarding and personally challenging. For job seekers, it is probably the most readily available entry-level position in the agriculture industry. Numerous specialized companies throughout northern California require qualified persons for marketing, sales, finance, policy, government, farm ranch management, and international trade and development. For job entry and advancement, however, certain basic skills remain fundamental. These include proficiency in computers, record keeping, finance, management and marketing. The following is a list of possible agriculture business career opportunities: Bookkeeper, Business Manager, Business Owner, Commodity Broker, Community Development, Consultant, Equipment Dealer, Farm and Ranch Manager, International Development Specialist, Insurance Agent, Land Appraiser, Livestock buyer, Loan Officer, Management Specialist, Produce Buyer, Public Relations, Retail Sales and Sales Representative.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Accumulate, record, and analyze agricultural financial data.
2. Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
3. Make effective business decisions using a systematic, information-based approach.

Required courses:		29.00
AB 15	Agricultural Communication and Sales	3.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 54	Supervision and Management in Agriculture	3.00
AGS 10	World Food and Hunger Issues	3.00
AGS 50	General Soils	4.00
Select one:		3.00
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	3.00

Total: 29.00

Agriculture Business (AB) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01298.01CA

The Certificate of Achievement in Agriculture Business prepares students for entry level employment within the industry. Additionally, the certificate provides opportunities for skills enhancement for those with previous experience in agriculture business or those looking to supplement related degrees that benefit from a business focus. Upon completion of the Certificate of Achievement, students will have increased their knowledge of the agriculture industry while having gained experience with fundamental concepts of business management, economics and accounting and production practices as they relate to the agricultural industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Accumulate, record, and analyze agricultural financial data.
2. Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
3. Make effective business decisions using a systematic, information-based approach.

Required courses:		22.00
AB 15	Agricultural Communication and Sales	3.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 54	Supervision and Management in Agriculture	3.00
Select one:		3.00
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	3.00

Total: 22.00

Agriculture Science

Agriculture and Natural Resources (AGS) - AS Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 11137.01AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe environmental conditions influencing local crop production.
2. Explain the effects of temperature, water, spacing and fertility on plant growth and production.
3. Evaluate the role of soil fertility in an ecological production system.
4. Describe and analyze the major categories and sources of air and water pollution and explain how these pollutants are hazardous to human health, vegetation and all of life on earth.

Required courses:		34.00-37.00
AB 22	Agricultural Economics	3.00
AET 22	Natural Resources and Agri-Construction	3.00
AGS 40	Introduction to Animal Science	3.00
Select one:		3.00-4.00
AB 50	Agricultural Accounting	3.00
ACCT 2	Financial Accounting	4.00
Select one:		3.00-4.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
Select one:		5.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
Select one:		4.00-5.00
CHEM 2	General Chemistry II	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
Electives - Select 6 units from the following:		6.00
AB 15	Agricultural Communication and Sales	3.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 54	Supervision and Management in Agriculture	3.00
AET 26	Basic Surveying	3.00
AET 30	Tractors and Crawlers	3.00
AET 34	Farm Machinery	3.00
AET 35	Heavy Equipment Methods	3.00
AET 36	Heavy Equipment Operation	6.00
AET 38	Diesel Engines and Machine Systems	4.00
AET 43	Hydraulic and Pneumatic Systems	2.00
AGS 10	World Food and Hunger Issues	3.00
AGS 30	Ecology of Insect and Disease Management	3.00
AGS 45	Feeds and Feeding	3.00
AGS 75	Introduction to Agricultural Education	3.00

Total: 34.00-37.00

Agriculture Science (AGS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01298.02AS
The Agriculture Science program offers an AS degree for those students interested in a more general course of study. Students with a background in production agriculture, 4-H or FFA will find success in this program as they pursue a career with an emphasis in agriculture sciences, agriculture education, and agribusiness occupations. California ranks first in the nation in annual gross agricultural returns. The livestock industry and over 250 specialty crops provide a variety of career choices. Trained personnel are employed on ranches and farms, as well as the vast agriculture service industry. Career opportunities also exist with governmental agencies. Every year there are several openings in Agriculture Education in California as well as other states.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and apply the principles and techniques of modern crop and livestock management.
2. Describe fundamental care practices for animals, including selection, handling and management.
3. Distinguish common types of agricultural pests including weeds, diseases, and insects.

4. Calibrate plant protection equipment including hand-held, ATV, trailer, and orchard sprayers.
5. Select appropriate fertilizers, basic application methods, and recognize their effect on plants and the environment.
6. Describe how breeding, genetics, and biotechnology are used to increase agricultural production.
7. Demonstrate scientific evaluation skills including interpreting graphs and data from scientific papers.

Required courses:		43.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 54	Supervision and Management in Agriculture	3.00
AET 30	Tractors and Crawlers	3.00
AET 34	Farm Machinery	3.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
AGS 99	Work Experience-AGS	2.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Select one:		3.00
NR 26	Environmental World	3.00
AGS 10	World Food and Hunger Issues	3.00
Electives - Select 6 units from the following:		6.00
AET 26	Basic Surveying	3.00
AGS 30	Ecology of Insect and Disease Management	3.00
AGS 40	Introduction to Animal Science	3.00
AGS 45	Feeds and Feeding	3.00
AGS 75	Introduction to Agricultural Education	3.00

Total: 43.00

Allied Health

Public Health Science (ALH) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 37059.01AS-T

The Associate in Science in Public Health Science for Transfer is intended for students who plan to complete a bachelor's degree in Associate in Science at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Compare and contrast the differences between Public Health versus Medical Care services provided locally, statewide and nationally.
2. Explain the differences in science, politics and prevention as related to and intertwined within the public health field.
3. Describe the science of public health.
4. Define the importance the Public Health care field plays in relationship to prevention and intervention of diseases and conditions.
5. Interpret the economic role and responsibility of the field of Public Health in our society today.

Required courses:		33.00-35.00
HLTH 2	Health and Wellness	3.00
ALH 3	Introduction to Public Health	3.00
BIOL 1	Introduction to Biology	4.00
PSY 1	Principles of Psychology	3.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
Select one:		5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 1	General Chemistry I	5.00
List A: Select one		3.00-5.00
ECON 4	Principles of Microeconomics	3.00
ECON 2	Principles of Macroeconomics	3.00
FN 2	Nutrition	3.00

FN 50	Nutrition and Diet Therapy	4.00
SOC 2	Principles of Sociology	3.00
BIOL 15	Introduction to Microbiology	5.00
CMST 10	Interpersonal Communication	3.00
ANTH 4	Cultural Anthropology	3.00

Total: 33.00-35.00

Allied Health (ALH) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: ALLIEDHEALTH.CC

The Allied Health Certificate is designed to prepare students to enter the healthcare field. The curriculum is designed as an introduction to careers in healthcare. It will also provide an understanding of medical terminology, and issues affecting public health and our society. In addition, the certificate provides curriculum on “soft skills” in healthcare, for example communication and professionalism. Upon completion of this certificate, students may be able to obtain an entry level position in the healthcare industry as well as submitting the certificate of completion to healthcare programs as part of their application process.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Compare and contrast different career option in the healthcare setting.
2. Analyze the common terms in healthcare and be able to transfer that knowledge to other healthcare courses.
3. Differentiate between public health and traditional medical models in healthcare.
4. Develop “soft skills” in the professional health care setting.

Required courses:		12.00
ALH 3	Introduction to Public Health	3.00
ALH 104	Medical Terminology	3.00
ALH 6	The Critical Six Soft Skills in the Professional Healthcare Environment	3.00
Select one:		3.00
CLP 30	Career Life Planning	3.00
CLP 101	Career, Education and Life Choices	3.00

Total: 12.00

Anthropology

Anthropology (ANTH) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31964.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Anthropology is the study of humans worldwide, both in the past and present. The program is designed to introduce students to culture as the core concept for understanding human behavior. The four subfields of anthropology (physical, archaeological, linguistics and cultural) are used as a foundation to examine varied perspectives about the world. Anthropology students graduate with an awareness of cultural and biological diversity and the complexity of past and contemporary societies. The degree offers courses required in the CSU, Chico major core program, in addition to courses approved for CSU General Education.

The program in anthropology is designed to prepare students for a variety of exciting careers, which may include education, research, medicine, business, non-profit and public service fields. As an example, anthropologists may be employed on international research teams, such as with Centers for Disease Control and Prevention scientists working to control Ebola outbreaks in West Africa. Anthropologists may also be employed as resident scientists at the Intel Corporation or as curation specialists in the US Army Corps of Engineers. Numerous anthropological skills, such as the ability to think critically and creatively about the world and the ability to apply research methods to solve problems, translate to various employment sectors. For more information on possible careers, please visit the American Anthropology Association's Careers in Anthropology webpage, http://www.americananthro.org/AdvanceYourCareer/Content.aspx?ItemNumber=1783

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and discuss major topics relevant to Physical Anthropology, including human and primate evolution and variation among hominids.
2. Define culture and apply the concept to a broad cross-cultural understanding of human behavior.
3. Examine past cultural systems through analysis of physical cultural remains.
4. Describe and analyze human linguistic systems and the influence of language on human perceptions of the world.

Required courses:		18.00-20.00
Required core:		9.00
ANTH 4	Cultural Anthropology	3.00
ANTH 2	Physical Anthropology	3.00
ANTH 16	Archaeology and Ancient Societies	3.00
List A: Select one		3.00-4.00
ANTH 13	Magic, Witchcraft and Religion	3.00
ANTH 14	Language and Culture	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List B: Select one to two or any course from List A not already used		3.00-4.00
PSY 7	Introduction to Research Methods in Psychology	3.00
BIOL 20	Human Anatomy	4.00
GEOG 20	Introduction to Geographic Information Systems	3.00
GEOL 32	Physical Geology with Lab	4.00
List C: Select one or any course from List A or List B not already used		3.00
ANTH 18	World Cultures	3.00
ANTH 32	Native Americans	3.00
ANTH 33	Ancient Mesoamerica	3.00
ANTH 34	Native Americans Today	3.00

Total: 18.00-20.00

Art

Art History (ART) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31951.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify, examine, and assess representative works of art and architecture from diverse world cultures and time periods employing appropriate art historical terminology.
2. Analyze, discuss, and differentiate works of art and architecture in terms of historical context.
3. Analyze, discuss, and distinguish the roles of art, architecture, and the artist from diverse world cultures and time periods.
4. Employ college-level writing skills, creativity, and critical thinking in completing independent projects in the field of Art History.

Required courses:		18.00
Require Core		9.00
ART 8	Drawing I	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
Select one:		3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00
List A: Select one		3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
List B: Select one		3.00
ART 7	2-D Foundations	3.00
ART 9	3-D Foundation	3.00
ART 14	Basic Figure Drawing	3.00
MSP 30	Introduction to Digital Art	3.00
ART 50	Beginning Ceramics	3.00

PHO 2	Introduction to Photography	3.00
ART 60	Sculpture I	3.00
List C: Select one or any course from List A or List B not already used		3.00

ART 5	1800 to Present Art History Survey	3.00
ART 1	Art Appreciation	3.00

Total: 18.00

Studio Arts (ART) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 32093.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the "Academic Programs" section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ technical skills, creativity, critical thinking, and conceptual problem-solving in completing independent projects in the fields of Visual Art, Design, and Studio Arts.
2. Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
4. Demonstrate expert and safe use of a variety of equipment, materials, software, and tools, when performing, writing about, and/or creating works of art.

Required courses:		24.00
Required Core		24.00
ART 7	2-D Foundations	3.00
ART 9	3-D Foundation	3.00
ART 8	Drawing I	3.00
Select one:		3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00
List A: Select one		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
List B: Select three		9.00
ART 14	Basic Figure Drawing	3.00
ART 17	Beginning Painting	3.00
ART 23	Introduction to Printmaking	3.00
ART 50	Beginning Ceramics	3.00
ART 60	Sculpture I	3.00
MSP 30	Introduction to Digital Art	3.00
PHO 2	Introduction to Photography	3.00
ART 81	Introduction to Fiber Arts	3.00

Total: 24.00

Arts (ART) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01329.01AA

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent projects in the fields of Visual Art, Design, and/or Art History.
2. Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
4. Demonstrate expert and safe use of a variety of equipment, materials, software, and tools, when performing, writing about, and/or creating works of art.

Required courses:		24.00-27.00
Must complete core plus one CSU, Chico Option		24.00-27.00
Required Core:		9.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 9	3-D Foundation	3.00
Select one CSU, Chico option:		15.00-18.00
Art Education Option at CSU, Chico		18.00
ART 1	Art Appreciation	3.00
ART 17	Beginning Painting	3.00
ART 23	Introduction to Printmaking	3.00
MSP 30	Introduction to Digital Art	3.00
ART 50	Beginning Ceramics	3.00
Select one from:		3.00
ART 14	Basic Figure Drawing	3.00
PHO 4	Color Photography	3.00
ART 60	Sculpture I	3.00

OR

Art Studio Option at CSU, Chico		15.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 14	Basic Figure Drawing	3.00
Select one from:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
Select two from:		6.00
PHO 2	Introduction to Photography	3.00
PHO 4	Color Photography	3.00
ART 50	Beginning Ceramics	3.00
ART 60	Sculpture I	3.00

Total: 24.00-27.00

Ceramics (ART) - AA Degree, Career/Technical Program

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 11128.00AA

The Ceramics program offers a solid foundation in the technical and aesthetic aspects of the medium. Students are taught the importance of minute details as well as overall excellence. Many specific skills are emphasized including handbuilding, wheel throwing, clay and glaze chemistry, mold making, kiln firings, and the specialized techniques of raku and primitive firings. Students have access to a fully equipped studio and have the opportunity to learn the operational requirements of the facility. Although ceramics as an art medium is emphasized, students also study the inter-relationship between industry, business and ceramics. The program offers a well rounded art education including the ability to install exhibitions. A working portfolio for employment purposes is developed. The Ceramics Department offers courses which satisfy lower division requirements in many of the CSUs.

Many job opportunities exist for the individual proficient in ceramics. These include, but are not limited to: artist, art teacher or therapist, self-employed craft-person, mold maker, glaze technician, ceramic restorer, industrial ceramist, gallery or art shop manager, museum employee, interior design specialist, tile decorator, dental ceramist, and production designer. Students interested in pursuing a four-year degree are provided with a strong foundation for further coursework.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent visual art projects in the medium of ceramics.
2. Analyze, compare, and synthesize significant global ideas and primary original works of ceramic art from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original ceramic artworks.
4. Demonstrate proficient and safe use of a variety of equipment, materials, and tools when creating works of ceramic art.

Required courses:		26.00
ART 8	Drawing I	3.00
ART 50	Beginning Ceramics	3.00
ART 52	Intermediate Ceramics	3.00
ART 54	Ceramics-Low Fire	3.00
ART 56	Advanced Ceramics	3.00
ART 60	Sculpture I	3.00
ART 70	Gallery Production/Business of Art	2.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00

Select one:		3.00
ART 7	2-D Foundations	3.00
ART 9	3-D Foundation	3.00

Total: 26.00

Ceramics (ART) - Certificate of Achievement

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: 11128.00CA

See AA Degree in Ceramics.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent visual art projects in the medium of ceramics.
2. Analyze, compare, and synthesize significant global ideas and primary original works of ceramic art from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original ceramic artworks.
4. Demonstrate proficient and safe use of a variety of equipment, materials, and tools when creating works of ceramic art.

Required courses:		18.00
ART 8	Drawing I	3.00
ART 50	Beginning Ceramics	3.00
ART 52	Intermediate Ceramics	3.00
ART 54	Ceramics-Low Fire	3.00
ART 56	Advanced Ceramics	3.00
ART 70	Gallery Production/Business of Art	2.00
ART 99	Work Experience-ART	1.00

Total: 18.00

Automotive Technology

Automotive Technology (AUT) - AS Degree, Career/Technical Program

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): Butte Local
Program Code: 01323.01AS
The Butte College Automotive Technology program is an ASE/NATEF certified school and is designed to prepare students for employment as automotive technicians in both dealerships and independent garages.All automotive classes are offered at the Skyway Center in Chico. The Skyway Center is a modern facility and completely outfitted with the power and hand tools needed to hone the student's skills. The goal of the department is to train highly-skilled entry-level technicians with work habits that will make them successful. The Automotive Department has partnered with American Honda and Subaru. This allows for make specific training and certification via the PACT Program (Honda and Acura) and Subaru.

Automotive career opportunities are offered nation wide along with paid internships for Honda PACT students. Help with job placement is available for successful students. For Career information please refer to our website: www.butte.edu/departments/careertech/automotive

Admission to the Program
There is a limitation on enrollment into the Automotive program. If you are interested in this program and would like to make an appointment to get on the Automotive waiting list, please refer to our website: www.butte.edu/departments/careertech/automotive/

From our greeting page follow the links:
“Get Started Today”
“Click Here To Make an Appointment”
Fill out the information fields on the Appointment Contact Information Sheet, and then click the “Send Form” button. You will receive an appointment confirmation within two to three weeks.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the principles of operation and maintenance required to repair all systems of the modern automobile.
2. Safely and correctly maintain, diagnose and repair specific areas of the vehicle.

Required courses:		50.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	2.50

AUT 9	Automotive Engines Lab	2.50
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 32	Smog Inspection	3.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00

Total: 50.00

Automotive Technology (AUT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01323.01AS

See AS Degree in Automotive Technology.

Admission to the Program
See AS Degree in Automotive Technology

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the principles of operation and maintenance required to repair all systems of the modern automobile.
2. Safely and correctly maintain, diagnose and repair specific areas of the vehicle.

Required courses:		50.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	2.50
AUT 9	Automotive Engines Lab	2.50
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00
AUT 32	Smog Inspection	3.00

Total: 50.00

Automotive Technology - Honda, Professional Automotive Career Training (PACT) (AUT) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 38066.01AS

The Associate of Science Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT) prepares students to enter the workforce as entry level Honda and Acura technicians in dealerships nationwide. After program completion, the student will also receive a nationally recognized certification from American Honda that indicates the completion of standardized curriculum delivered at all PACT schools across the nation.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the principles of operation and maintenance required to repair all systems of Honda and Acura automobiles.
2. Safely and correctly maintain, diagnose and repair specific areas of Honda and Acura automobiles.

Required courses:		52.00
AUT 2	Honda Express Service	2.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 8	Auto Engines Lecture	2.50
AUT 9	Automotive Engines Lab	2.50
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00
AUT 32	Smog Inspection	3.00

Total: 52.00

Automotive Technology - Honda, Professional Automotive Career Training (PACT) (AUT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37972.01CA

The Certificate of Achievement in Automotive Technology - Honda, Professional Automotive Career Training (PACT) prepares students to enter the workforce as entry level Honda and Acura technicians in dealerships nationwide. After program completion, the student will also receive a nationally recognized certification from American Honda that indicates the completion of standardized curriculum delivered at all PACT schools across the nation.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the principles of operation and maintenance required to repair all systems of Honda and Acura automobiles.
2. Safely and correctly maintain, diagnose and repair specific areas of Honda and Acura automobiles.

Required courses:		52.00
AUT 2	Honda Express Service	2.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 8	Auto Engines Lecture	2.50
AUT 9	Automotive Engines Lab	2.50
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 32	Smog Inspection	3.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00

Total: 52.00

Diesel Technology (AUT) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 38059.01AS

The Associate of Science Degree in Diesel Technology has been developed to provide the light and medium duty diesel industry with well-prepared, entry level technicians. Our rural location and its heavy agricultural influence necessitates the need for

technicians who are trained the area of diesel powered trucks and equipment. This program will prepare the student to diagnose the mechanical, electrical, and hydraulic systems found on over the road diesel powered vehicles and equipment.

On successful completion of the Diesel Technology Program, students will enter the industry with their Section 609 Compliance Certification, making it possible to service refrigeration units. Along with the 6019 Certification, students will also receive their Department of Transportation (D.O.T.) brake inspection certification.

Career Opportunities
A career as a Diesel Technician offers a higher starting and hourly mean wage than that of a light car and truck technicians (Bureau of Labor Statistics May 2016). With that, the areas that offer employment opportunities range from heavy equipment dealers/ shops, fleet maintenance facilities, public and private, along with new car/truck dealers. This diversity offers a lot of flexibility regarding location. Employment can be found in urban areas as well as rural farming communities.

Admission to the Program
To enter the program, a perspective student would need to fill out the “Get Started!” form on the department website. This prompts an appointment with the Department Chair at which time the student can have any questions answered as well as lean about the diesel repair industry. Tools, safety glasses and uniforms are provided as the student progresses through the program. Partnerships with various tool companies, which offer deep discounts to students while in the program, make it possible for students to purchase an entry level tool set prior to graduation.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the operation of diesel engine components and systems.
2. Identify various diesel engine applications.
3. Apply the state and federal regulations of Occupational Safety and Health Association (OSHA) and the Environmental Protection Agency (EPA).
4. Apply general principles of preventive maintenance to diesel repair.
5. Demonstrate proficiency in the use of industry standard tools and precision measuring instruments.
6. Apply safe work habits and practices.
7. Troubleshoot and perform repairs on mechanical, electrical, hydraulic and electronic systems.
8. Use computers to diagnose equipment and research information
9. Perform preventative maintenance such as engine tune-ups, front-end alignments, and brake adjustments.
10. Operate shop machinery and equipment including hoists, hydraulic jacks, steam cleaners, floor jacks, disassembly stands, grinders, drill presses, hydraulic presses, and bead blasters.
11. Select and use precision tools such as torque wrenches, micrometers, dial indicators, tap and dies, and bore gauges.
12. Maintain professional attitude in challenging working conditions.

Required courses:		58.00
WLD 20	Beginning Welding	4.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 8	Auto Engines Lecture	2.50
AUT 9	Automotive Engines Lab	2.50
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 32	Smog Inspection	3.00
AUT 73	Diesel Industry Technologies Lecture	3.00
AUT 74	Diesel Industry Technologies Lab	3.00

Total: 58.00

Diesel Technology (AUT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37941.01CA

The Certificate of Achievement in Diesel Technology has been developed to provide the light and medium duty diesel industry with well-prepared, entry level technicians. Our rural location and its heavy agricultural influence necessitates the need for technicians who are trained the area of diesel powered trucks and equipment. This program will prepare the student to diagnose the mechanical, electrical, and hydraulic systems found on over the road diesel powered vehicles and equipment.

On successful completion of the Diesel Technology Program, students will enter the industry with their Section 609 Compliance Certification, making it possible to service refrigeration units. Along with the 6019 Certification, students will also receive their Department of Transportation (D.O.T.) brake inspection certification.

Career Opportunities
A career as a Diesel Technician offers a higher starting and hourly mean wage than that of a light car and truck technicians (Bureau of Labor Statistics May 2016). With that, the areas that offer employment opportunities range from heavy equipment dealers/ shops, fleet maintenance facilities, public and private, along with new car/truck dealers. This diversity offers a lot of flexibility regarding location. Employment can be found in urban areas as well as rural farming communities.

Admission to the Program
To enter the program, a perspective student would need to fill out the "Get Started!" form on the department website. This prompts an appointment with the Department Chair at which time the student can have any questions answered as well as lean about the diesel repair industry. Tools, safety glasses and uniforms are provided as the student progresses through the program. Partnerships with various tool companies, which offer deep discounts to students while in the program, make it possible for students to purchase an entry level tool set prior to graduation.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the operation of diesel engine components and systems.
2. Identify various diesel engine applications.
3. Apply the state and federal regulations of Occupational Safety and Health Association (OSHA) and the Environmental Protection Agency (EPA).
4. Apply general principles of preventive maintenance to diesel repair.
5. Demonstrate proficiency in the use of industry standard tools and precision measuring instruments.
6. Apply safe work habits and practices.
7. Troubleshoot and perform repairs on mechanical, electrical, hydraulic and electronic systems.
8. Use computers to diagnose equipment and research information
9. Perform preventative maintenance such as engine tune-ups, front-end alignments, and brake adjustments.
10. Operate shop machinery and equipment including hoists, hydraulic jacks, steam cleaners, floor jacks, disassembly stands, grinders, drill presses, hydraulic presses, and bead blasters.
11. Select and use precision tools such as torque wrenches, micrometers, dial indicators, tap and dies, and bore gauges.
12. Maintain professional attitude in challenging working conditions
13. Develop self-confidence and pride in workmanship.
14. Think analytically and make professional decisions

Required courses:		58.00
WLD 20	Beginning Welding	4.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 8	Auto Engines Lecture	2.50
AUT 9	Automotive Engines Lab	2.50
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 32	Smog Inspection	3.00
AUT 73	Diesel Industry Technologies Lecture	3.00
AUT 74	Diesel Industry Technologies Lab	3.00

Total: 58.00

Biological Sciences

Biology (BIOL) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): IGETC, CSU for STEM, IGETC for STEM
Program Code: 35022.00AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the "Academic Programs" section for details.

The AS-T in Biology requires completion and certification of the Intersegmental General Education Transfer Curriculum (IGETC for STEM) as well as the specific AS-T major degree requirements. Students should work with a counselor to identify major coursework that can be used to fulfill IGETC for STEM categories.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Critically analyze and accurately express an understanding of scientific work in the context of the scientific method.
2. Demonstrate academic skills needed for success in biology after transfer.
3. Apply knowledge of fundamental biological principles such as evolution and taxonomy and ecological, physiological and molecular processes.
4. Correctly employ scientific techniques and correctly use scientific equipment.

Required courses:		38.00
Required Core		
BIOL 41	Cell and Molecular Biology	5.00
BIOL 42	Organismal Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
MATH 30	Analytic Geometry and Calculus I	5.00
Select one group:		8.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
OR		
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 38.00

Biological Science (BIOL) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01306.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

This major also serves as a basis for pre-medicine, pre-dentistry and pre-veterinarian students.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Critically analyze and accurately express an understanding of scientific work in the context of the scientific method.
2. Demonstrate academic skills needed for success in biology after transfer.
3. Apply knowledge of fundamental biological principles such as evolution and taxonomy and ecological, physiological and molecular processes.
4. Correctly employ scientific techniques and correctly use scientific equipment.

Required courses:		25.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 42	Organismal Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
The following courses articulate with CSU, Chico's Biological Sciences major, but are not required for the AS Degree in Biological Science at Butte College.		
CHEM 21	Organic Chemistry I	5.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
SOC 5	Our Sustainable Future	3.00
MATH 13	Survey of Calculus	4.00

Total: 25.00

Business

Business Administration (BUS) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31940.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Business Administration is the over arching preperation for options in Management, Marketing, Finance, Human Resource Management, and Accounting. To be successful students need basic competence in reading, written and oral communication, and mathematics. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

Students completing this degree are eligible for entry level work in business. The program is designed to teach students practical skills to solve problems, organize tasks, work with and lead others, develop business strategies, make oral presentations, write reports such as business plans or case analyses.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Discuss the context in which businesses operate and the impacts of environmental factors (such as economic markets and technological, regulatory and competitive forces) on businesses.
2. Use appropriate business terminology to describe the functional areas of business enterprises.
3. Assess business scenarios using a systematic, evaluative, quantitative, ethical and information-based approach.
4. Evaluate the legal, economic and social impacts of business decisions.
5. Prepare, analyze, interpret and discuss an entity's basic financial statements, as a basis for business decisions.
6. Demonstrate analytical, teamwork, oral and written communication skills and ethical and professional conduct.

Required courses:		26.00-27.00
Required Core		17.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
ECON 4	Principles of Microeconomics	3.00
ECON 2	Principles of Macroeconomics	3.00
BUS 8	Introduction to Business Law	3.00
List A: Select one		3.00-4.00
MATH 13	Survey of Calculus	4.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List B: Select two or any course from List A not already used		6.00
CSCI 2	Business and Computer Information Systems	3.00
BUS 20	Introduction to Business	3.00

Total: 26.00-27.00

Business Administration (BUS) - AS Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01307.01AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Business Administration is the over arching preparation for options in Management, Marketing, Finance, Human Resource Management, and Accounting. To be successful students need basic competence in reading, written and oral communication, and mathematics. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

Students completing this degree are eligible for entry level work in business. The program is designed to teach students practical skills to solve problems, organize tasks, work with and lead others, develop business strategies, make oral presentations, write reports such as business plans or case analyses.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Discuss the context in which businesses operate and the impacts of environmental factors (including competitors and economic markets) on businesses.
2. Use appropriate business terminology to describe the functional areas of business enterprises.
3. Assess business scenarios using a systematic, evaluative, quantitative, ethical and information-based approach.
4. Evaluate the economic, social and competitive impacts of business decisions.
5. Prepare, analyze, interpret and discuss an entity's basic financial statements as a basis for business decisions.
6. Demonstrate analytical, teamwork, oral and written communication skills and ethical and professional conduct.

Required courses:		24.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BUS 20	Introduction to Business	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 24.00

Business Management (BUS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01310.00AS

The Business Management program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, basic marketing principles, accounting, business law, economics and business computer applications. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

This program is designed to teach students to solve problems, develop management strategies, make oral presentations, and write reports such as business plans and case analyses. Management skills are useful in many job settings: retail, wholesale, manufacturing, social services, government, and education. These skills are also important for people who wish to improve their performance in existing jobs or develop their own businesses.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		37.00-39.00
BUS 20	Introduction to Business	3.00
BCIS 13	Business Communication	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 8	Introduction to Business Law	3.00
BUS 64	Principles of Marketing	3.00
ACCT 20	Introduction to Accounting	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BCIS 81	Microsoft Excel for Business	1.00
BCIS 33	Skills for the Working Professional	1.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Electives - Select one course from the following:		2.00-4.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 68	Web Marketing	3.00
BCIS 85	Microsoft Excel for Windows	3.00
ACCT 4	Managerial Accounting	4.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BCIS 18	Introduction to Business Technology	3.00

Total: 37.00-39.00

Business Management (BUS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01310.00CA

See AS Degree in Business Management.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		30.00
BUS 20	Introduction to Business	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 64	Principles of Marketing	3.00
ACCT 20	Introduction to Accounting	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
Select one:		3.00
BCIS 13	Business Communication	3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00

Total: 30.00

Business on the Web (BUS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: BUSONWEB.CC

Students are introduced to web marketing tools, strategies, application and measurement. It examines benefits and challenges associated with web marketing technologies including web site development, search engine optimization, online advertising, social media, email campaigns, blog marketing, digital public relations, multimedia and mobile marketing. Students will learn how to create a web marketing strategy and then apply web marketing technologies in a measurable way to achieve business objectives.

The certificate is designed to provide students with an exposure to web marketing tools and strategies which would qualify the student to work as a web assistant to help manage a company's online presence.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Understand business terms and concepts, and effectively communicate using the language of business.
2. Make effective web-based business decisions using a systematic, evaluative, information-based approach.

Required courses:		15.00
BUS 64	Principles of Marketing	3.00
BUS 68	Web Marketing	3.00
BCIS 13	Business Communication	3.00
BCIS 15	Web-based Tools for Business	3.00
BUS 25	Introduction to Entrepreneurship	3.00

Total: 15.00

Human Resources (BUS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: HUMANRES.CC

Students explore issues in Human Resource Management including: changing government and legal requirements, downsizing, attention to and appreciation for diversity, global workforce development, the role of information systems, and changing cultural and economic factors.

The certificate is designed to provide students with an exposure to management and human resource concepts which would qualify the student to work human resource assistant. Human resource assistants help with recruiting, hiring, employee orientation, training, development, compensation, benefits, safety and wellness of employees.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze theories and strategies for maximizing employee productivity and motivation
2. Identify and describe federal and state compliance requirements related to payroll and human resource management.
3. Identify and demonstrate high standards of professional practice, demonstrating awareness of ethical and social responsibilities in todays multi-cultural, team oriented, rapidly changing environment.

Required courses:		15.00
BUS 35	Leading and Supervising Teams	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
ACCT 110	Accounting for Payroll	3.00
BUS 8	Introduction to Business Law	3.00

Total: 15.00

Marketing (BUS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01311.00AS

The Marketing program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, accounting, and economics with an emphasis in marketing principles, sales, and advertising. To be successful students need basic competence in reading, written and oral communication, and mathematics. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

This program is designed to teach students to solve problems, develop marketing strategies, make oral presentations, and write

reports such as marketing plans and sales proposals. Marketing skills are useful in many job settings: retail, wholesale, manufacturing, social services, government, and education. These skills also are important for people who wish to improve their performance in existing jobs or develop their own businesses.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		41.00
BUS 20	Introduction to Business	3.00
BCIS 13	Business Communication	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 8	Introduction to Business Law	3.00
BUS 64	Principles of Marketing	3.00
ACCT 20	Introduction to Accounting	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 68	Web Marketing	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Electives - Select 6 units from the following:		6.00
ART 31	Graphic Design I	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BCIS 47	Desktop Publishing	2.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 74	Multimedia Production I	3.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 18	Introduction to Business Technology	3.00

Total: 41.00

Marketing (BUS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01311.00CA

See AS Degree in Marketing.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		29.00
BUS 20	Introduction to Business	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 64	Principles of Marketing	3.00
ACCT 20	Introduction to Accounting	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 68	Web Marketing	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
Select one:		3.00
BCIS 13	Business Communication	3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00

Total: 29.00

Retail Management (BUS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01317.01CA

The Retail Management program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, basic marketing

principles, accounting, business law, economics and business computer applications, with an emphasis in retailing.

Students completing the program in Retail Management will increase their practical business skills relating to devising plans, organizing tasks, leading others, and controlling operations. Customer service positions, retail associate, sales associate, assistant store manager, retail manager are positions in this field.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Define the terms, principles and theories relating to retail planning, strategy and implementation.
2. Conduct a retail audit to demonstrate mastery of course concepts including customer buying behavior, retail planning, strategy, store layout, visual merchandising, and operations.
3. Analyze a retail marketing strategy and its appropriateness given target market(s).

Required courses:		30.00
BUS 20	Introduction to Business	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 64	Principles of Marketing	3.00
ACCT 20	Introduction to Accounting	3.00
BUS 66	Retail Management	3.00
Select one:		3.00
BCIS 13	Business Communication	3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Select one:		3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Copywriting	3.00
Select one:		3.00
BUS 44	Human Resource Management	3.00
BUS 40	Introduction to Management	3.00

Total: 30.00

Small Business/Entrepreneurship (BUS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 11122.00AS
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multi-cultural, team-oriented, rapidly-changing environment.

Required courses:		37.00-38.00
BUS 20	Introduction to Business	3.00
BCIS 13	Business Communication	3.00
BUS 35	Leading and Supervising Teams	3.00
ECON 4	Principles of Microeconomics	3.00
BUS 8	Introduction to Business Law	3.00
BUS 64	Principles of Marketing	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 68	Web Marketing	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Select one:		2.00-3.00
ACCT 128	Small Business Accounting	2.00
ACCT 20	Introduction to Accounting	3.00
Select one:		3.00
BUS 44	Human Resource Management	3.00
BUS 40	Introduction to Management	3.00
Electives - Select 3 units from the following:		3.00
BUS 60	Advertising and Promotion	3.00
BUS 50	Sales Strategies	3.00
BCIS 85	Microsoft Excel for Windows	3.00
BCIS 18	Introduction to Business Technology	3.00

Total: 37.00-38.00

Business Computer Information Systems

Basic Computer Competency (BCIS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: COMPUTERCOMP.CC

This is typically a one-semester program. Upon completion, students will be able to apply their knowledge of basic computer operations, use input technology, and apply knowledge of file management and their operating system. They will be able to identify and describe current technologies used in today's businesses and apply these technologies to solve business problems, improve organizational productivity, and achieve the goals of business. For eligibility, students are expected to demonstrate a minimum keyboarding skill of 25 words per minute.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Apply knowledge of basic computer operations, use input technology, and apply knowledge of file management and the operating system.
2. Identify and describe current technologies used in today's businesses and apply these technologies to solve business problems, improve organizational productivity, and achieve the goals of business.
3. Demonstrate a minimum keyboarding skill of 25 words per minute.

Required courses:		5.50
BCIS 18	Introduction to Business Technology	3.00
BCIS 84	Basics of Computers	1.00
Select one:		1.50
BCIS 20	Beginning Keyboarding	1.50
BCIS 24	Advanced Keyboarding	1.50

Total: 5.50

Business Information Worker (BCIS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01313.02AS

The Business Information Worker (BIW) program is a two-tiered, structured career pathway for students who are interested in entering the exciting and diverse career field of office and administrative support. Butte College's BIW pathway is aligned with a California statewide program that collaborated with businesses and advisory committees across the state to identify the most in-demand and desirable knowledge and skills required of today's business information workers. Additionally, this pathway clearly communicates to students what skills they need to be successful in today's businesses, as well as provides a branded BIW pathway for businesses to quickly recognize on resumes. Please visit the ICT-DM.NET./BIW site to obtain more information and locate support resources for this pathway.

Students graduating from the BIW program gain proficiency in business communication, professional development, records management, technology tools used to support businesses to achieve goals, such as Microsoft Office applications, collaboration tools, and desktop publishing applications.

Career related fields for the BIW include office and administrative support workers, administrative assistants, receptionists, office specialists, customer service representatives, general office and information clerks, and file clerks.

Students interested in earning an AS degree in BIW will have successfully completed the BIW Certificate and the BIW Certificate of Achievement along with general education requirements and any electives required. Taken full-time, this program can be completed in two years.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Manage office information and records.
2. Communicate professionally and work effectively in a team
3. Produce business documents with appropriate formatting using word processing software.
4. Create spreadsheets with financial functions and charting.
5. Plan and deliver individual or team oral presentations for business meetings.
6. Use email and calendaring software to communicate and manage time.
7. Apply the features and functions of web-based tools efficiently and effectively in order to meet the desired goals and outcomes of business.

Required courses:		30.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 24	Advanced Keyboarding	1.50
BCIS 47	Desktop Publishing	2.00

BCIS 50	Office Administration	3.00
BCIS 51	Records Management	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BCIS 85	Microsoft Excel for Windows	3.00

Total: 30.00

Business Information Worker (BCIS) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: BIW.CC

This is the first tier of the Business Information Worker (BIW) career pathway. Students completing this beginning certificate will take courses that are designed to provide students with a solid foundation in business communication; business math; professional development; keyboarding; Microsoft Windows, Word, Excel, Access, and Outlook; and additional business technology tools including collaboration tools.

Career related fields include administrative assistants, office workers, office specialists, and customer service representatives. This certificate can be completed in one semester.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Solve mathematical problems; analyze and interpret data; and apply sound decision-making skills.
2. Identify and describe current technologies used in today's businesses and apply these technologies to solve business problems, improve organizational productivity, and achieve the goals of business.

Required courses:		13.50
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00

Total: 13.50

Business Information Worker (BCIS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01313.02CA

This is the second tier of the Business Information Worker (BIW) career pathway. Students completing this next level of certificate will take courses that are designed to build on their BIW solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by employers.

Career related fields include office and administrative support workers, administrative assistants, receptionists, office specialists, customer service representatives, general office and information clerks, and file clerks. This certificate of achievement can be completed in one year.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Manage office information and records.
2. Communicate professionally and work effectively in a team.
3. Produce business documents with appropriate formatting using word processing software.
4. Create spreadsheets with financial functions and charting
5. Plan and deliver individual or team oral presentations for business meetings.
6. Use email and calendaring software to communicate and manage time
7. Apply the features and functions of web-based tools efficiently and effectively in order to meet the desired goals and outcomes of business.

Required courses:		30.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 24	Advanced Keyboarding	1.50
BCIS 47	Desktop Publishing	2.00
BCIS 50	Office Administration	3.00
BCIS 51	Records Management	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BCIS 85	Microsoft Excel for Windows	3.00

Total: 30.00

Legal Office Administration (BCIS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01314.01AS

The Legal Office Administration (LOA) program is a two-tiered, structured career pathway for students who are interested in entering into the challenging and highly specialized field of legal office support. Employers in the law field are looking for support personnel who have knowledge in the area of legal office procedures, processes, and research, as well as general knowledge of office administration. The LOA program is designed to meet the demands of employers and the needs of an increasingly global and technologically advancing legal industry.

As a career, the highly specialized legal field offers employment in areas such as criminal, family, probate, civil, real estate, environmental, corporate, public interest, and intellectual property law.The legal office professional's job duties may include preparing legal forms such as complaints, motions, subpoenas, affidavits, and briefs; processing legal documents; assisting with legal research; filing court papers; preparing legal communications; utilizing various office technologies; auditing financial records; scheduling meetings and calendaring court dates; handling confidential information; and taking notes on proceedings. Students graduating from the LOA program gain proficiency in beginning and advanced legal office procedures, legal research, the legal environment of business, business communication, professional development, records management, and the technology tools used to support businesses to achieve goals, such as Microsoft Office applications, collaboration tools, and Adobe Acrobat. Throughout the program, students are exposed to a wide variety of hands-on practical applications with an emphasis on organizational, critical thinking and problem-solving skills.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant.

Students interested in earning an AS degree in LOA will have successfully completed the LOA Certificate and the LOA Certificate of Achievement along with general education requirements and any electives required. Taken full-time, this program can be completed in two years.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and explain the difference among the six areas law.
2. Demonstrate workflow processes of a legal environment.
3. Analyze and assess legal clients' needs to determine appropriate solutions.
4. Apply computer skills to legal office activities.
5. Utilize proper legal writing skills in all client and colleague communication.

Required courses:		28.50
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 51	Records Management	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 13	Business Communication	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BUS 8	Introduction to Business Law	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00
AJ 3	Legal Research	2.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00

Total: 28.50

Legal Office Administration (BCIS) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: BCISLEGALADM.CC

This is the first tier of the Legal Office Administration (LOA) career pathway. Students completing this beginning certificate will take courses that are designed to provide students with a solid foundation in beginning legal office procedures; business communications; professional development; keyboarding; Microsoft Windows, Word, Excel, Access, and Outlook; and additional business technology tools including collaboration tools.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant. This certificate can be completed in one semester.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and explain the difference among the six areas of law.
2. Apply computer skills to legal office activities.

Required courses:		14.50
BCIS 18	Introduction to Business Technology	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 13	Business Communication	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00

BCIS 33	Skills for the Working Professional	1.00

Total: 14.50

Legal Office Administration (BCIS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01314.01CA

This is the second tier of the Legal Office Administration (LOA) career pathway. Students completing this next level of certificate will take courses that are designed to build on their LOA solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by employers.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant. This Certificate of Achievement can be completed in one year.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and explain the difference among the six areas of law.
2. Analyze and assess legal clients' needs to determine appropriate solutions.
3. Apply computer skills to legal office activities.
4. Utilize proper legal writing skills in all client and colleague communication.

Required courses:		28.50
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 51	Records Management	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 13	Business Communication	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BUS 8	Introduction to Business Law	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
AJ 3	Legal Research	2.00

Total: 28.50

Medical Office Administration (BCIS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01315.01AS

The Medical Office Administration (MOA) program is a two-tiered, structured career pathway for students who are interested in providing office support in the exciting and demanding healthcare industry. The MOA career pathway is a blend of three major areas: the advancing field of health information management (HIM), the ever-emerging field of business technology, and the constantly in-demand communication and professional skills; and it is designed to prepare students with the knowledge and skills required of today's medical office support personnel. The types of healthcare delivery systems in the United States today vary depending on the services being offered. These systems include outpatient healthcare (a physician's office, a dentist's office, and many other types of healthcare providers' facilities) and inpatient healthcare (general medical and surgical hospitals). These systems can be complex in purpose and structure. However, all healthcare organizations demand a common set of knowledge and skills from their medical office support personnel, which includes a broad understanding of healthcare delivery systems, health information management systems and practices, proficient technology skills, and a high-level of professionalism.

To meet these demands, the MOA career pathway includes courses in healthcare delivery systems, health information management systems, human systems, medical terminology, electronic health records, healthcare law and ethics, healthcare coding systems, healthcare reimbursement methodologies, electronic health records, Microsoft Office Applications (Word, Excel, PowerPoint, and Access), collaboration tools, business communication, and professional development. Career related fields for the MOA include Medical Office Receptionist, Medical Office Assistant, Front Office Representative, Medical Records Administrative Assistant, Insurance Verification Specialist, and Medical Intake Specialist. In the workplace, students can expect to perform medical office support duties including scheduling appointments; compiling and recording medical charts, reports, and correspondence; and coding health records; and billing patients. Students interested in earning an AS degree in MOA will have successfully completed the MOA Certificate and the MOA Certificate of Achievement along with general education requirements and any electives required. Taken full time, this program can be completed in two years.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Apply knowledge of medical terminology to perform outpatient/physician diagnostic coding, and determine

outpatient/procedural coding based on the abstraction of medical records.
2. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and CPT codes needed to maximize compensation for services rendered.
3. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.
4. Describe the outpatient medical workplace environment and function in that environment as a knowledgeable, skilled, and professional team member.

Required courses:		29.50
ALH 104	Medical Terminology	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 33	Skills for the Working Professional	1.00
HIM 62	Introduction to Medical Coding	3.00
HIM 63	Reimbursement	3.00
HIM 76	Electronic Health Records	3.00
BCIS 13	Business Communication	3.00
BCIS 20	Beginning Keyboarding	1.50
BIOL 10	Survey of Human Systems	4.00
HIM 56	Introduction to Health Information Management	2.00
HIM 58	Healthcare Law and Ethics	2.00
BCIS 99	Work Experience-BCIS	1.00

Total: 29.50

Medical Office Administration (BCIS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01315.01CA

This is the second tier of the Medical Office Administration (MOA) career pathway. Students completing this next level of certificate will take courses that are designed to build on their MOA solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by the healthcare industry.

Career related fields for the MOA include Medical Office Receptionist, Medical Office Assistant, Front Office Representative, Medical Records Administrative Assistant, Insurance Verification Specialist, and Medical Intake Specialist. This certificate of achievement can be completed in one year.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Apply knowledge of medical terminology to perform outpatient/physician diagnostic coding, and determine outpatient/procedural coding based on the abstraction of medical records.
2. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and CPT codes needed to maximize compensation for services rendered.
3. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

Required courses:		28.50
BCIS 18	Introduction to Business Technology	3.00
BCIS 13	Business Communication	3.00
ALH 104	Medical Terminology	3.00
BCIS 33	Skills for the Working Professional	1.00
HIM 62	Introduction to Medical Coding	3.00
HIM 63	Reimbursement	3.00
HIM 76	Electronic Health Records	3.00
BCIS 20	Beginning Keyboarding	1.50
BIOL 10	Survey of Human Systems	4.00
HIM 56	Introduction to Health Information Management	2.00
HIM 58	Healthcare Law and Ethics	2.00

Total: 28.50

Medical Office Administration (BCIS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: MEDOFFADMIN.CC

This is the first tier of the Medical Office Administration (MOA) career pathway. Students completing this beginning certificate will have take courses that are designed to provide students with a solid foundation in business communications, business technology tools, keyboarding, medical terminology, human systems, and the health information management field.

Career related fields includes Medical Office Receptionist, Medical Office Assistant, and Front Office Representative. This certificate can be completed in one semester.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and

CPT codes needed to maximize compensation for services rendered.
2. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

Required courses:		14.00-15.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 13	Business Communication	3.00
ALH 104	Medical Terminology	3.00
HIM 56	Introduction to Health Information Management	2.00
Select one course from the list below:		3.00-4.00
BIOL 20	Human Anatomy	4.00
BIOL 10	Survey of Human Systems	4.00
BIOL 2	Introduction to Human Biology	3.00

Total: 14.00-15.00

Chemistry

Chemistry (CHEM) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01358.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Chemistry is the study of the properties, composition, and transformations of all material substances. It supports and draws from biology, earth science, engineering, mathematics, medicine and physics. Because Chemistry can help you to understand these other fields and “how things work” in general, it can be a very fascinating and rewarding subject to study. The Chemistry AS degree is appropriate for students planning to transfer to a university to major in chemistry or other closely related fields. A different set of courses is offered for students in other majors such as agriculture or allied health science including nursing, dental hygiene, physical therapy, or nutrition.

Medical personnel, technicians, engineers, and scientists identify and solve problems by applying logic, scientific thinking, and knowledge of natural laws. The study of chemistry is well suited to developing these skills, and many opportunities are available to those who have studied chemistry. Chemistry majors are employed in many fields, including agronomy, biotechnology, energy production, environmental science, material science, medicine, patent law and teaching. Note, however, that most careers associated with chemistry require a degree beyond the AS degree.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate basic experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.
2. Demonstrate basic analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.

Required courses:		40.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00

Total: 40.00

Child Development/Family Relations

Child and Adolescent Development (CDF) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 35197.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the

beginning of the “Academic Programs” section for details.

This program teaches students to embrace a practitioner-scholar model that inspires and supports the development of knowledge, skills and dispositions essential to fostering healthy growth and learning of children and families in a diverse society, including leadership and advocacy, for children up to age eighteen.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Synthesize research-based theories including principles and practices of child and adolescent development and learning.
2. Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies.
3. Utilize scientific methodologies to research human development from infancy through adolescence.
4. Exhibit the ability to use evidence based assessment systems and curriculum planning systems to support children's learning and development.
5. Knowledge of development in all learning domains from conception through adolescent, including knowledge about typical and atypical development.
6. Demonstrates the ability to promote developmentally, culturally and linguistically appropriate strategies to address diverse approaches to learning.

Required courses:		19.00
Required Core		10.00
CDF 14	Child Growth and Development	3.00
PSY 1	Principles of Psychology	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List A: Select three courses from at least 2 groups		9.00
Group 1		15.00
ANTH 4	Cultural Anthropology	3.00
SOC 2	Principles of Sociology	3.00
SOC 20	Introduction to Race and Ethnicity	3.00
CDF 12	Child, Family, and Community	3.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
Group 2		3.00
PSY 15	Lifespan Psychology	3.00
Group 3		4.00
BIOL 1	Introduction to Biology	4.00
Group 4		6.00
CDF 40	Observation and Assessment	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00

Total: 19.00

Early Childhood Education (CDF) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31941.00AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

This degree is intended for students who plan to complete a Bachelor's Degree in Child Development or Early Childhood Education at a California State University (CSU). Students who complete this degree will achieve competency in promoting child development and learning, building family and community relationships, implementing developmentally appropriate curricula while learning about child assessment systems, teaching in a diverse society, and becoming a lifelong learner.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Synthesize research-based theories including principles and practices of child development and learning.
2. Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
3. Exhibit the ability to use an assessment system encompassing a variety of strategies that provide information about program effectiveness and children's development, learning, interests, strengths and needs.
4. Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
5. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners.

Required courses:		24.00
CDF 14	Child Growth and Development	3.00
CDF 12	Child, Family, and Community	3.00
CDF 48		

Principles and Practices of Teaching Young Children	3.00	
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
CDF 40	Observation and Assessment	3.00
CDF 78	Early Childhood Education Practicum	3.00
CDF 80	Health, Safety and Nutrition	3.00
CDF 57	Teaching in a Diverse Society	3.00

Total: 24.00

Child and Family Studies (CDF) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: CHILDFAMSTUDIES.CC

Students who earn a certificate in Child and Family studies develop skills that are valued by employers. Certificate holders may begin careers as assistant health educators, early intervention/special education assistants, family service workers, family advocates, family support specialists, home visitors, parent educators/trainers, social services caseworkers, strengthening families trainers, youth workers and other services providers for community agencies that serve children, families, and communities.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the development, roles, and interaction patterns of children, youth, and families within their social systems;
2. Identify dimensions of diversity in children, youth, and families and recognize oppressive forces that hinder their positive development;
3. Describe the foundational health and nutritional needs of children 0-8 years of age;
4. Demonstrate professional standards of ethical conduct working with families;
5. Assume the role of change agents regarding issues, policies, & community needs that affect children, youth, and their families and;
6. Identify current trends and issues in parenting the child.

Required courses:		15.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 91	Parenting in Today's Society	3.00
CDF 93	Strengthening Families	3.00
FN 8	Maternal and Child Nutrition	3.00

Total: 15.00

Child Development (CDF) - AS Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 16226.01AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Students who seek a career working with children, families and communities should enroll in this program of study, which emphasizes the integration of theory, research, and practice from multiple disciplines. It is a unique blend of family studies, community services, early and elementary education, parenting and child nutrition, with a focus on birth through adolescence.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Synthesize research-based theories including principles and practices of child development and learning.
2. Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
3. Exhibit the ability to use an assessment system encompassing a variety of strategies that provide information about program effectiveness and children's development, learning, interests, strengths and needs.
4. Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
5. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners.

Required courses:		18.00
CDF 14	Child Growth and Development	3.00

CDF 40	Observation and Assessment	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
PSY 41	Socio-Cultural Context of Psychological Development	3.00

Select one:		3.00
FN 2	Nutrition	3.00
FN 8	Maternal and Child Nutrition	3.00

Total: 18.00

Early Childhood Education (CDF) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01349.00AS

The field of early care and education is a dynamic and growing area of study for students who seek to work with young children up to age eight. Students who earn an AS degree in Early Childhood Education will play a pivotal role in the lives of children, families and their local community. All students who complete this degree will achieve competency in promoting child development and learning, building family and community relationships, implementing developmentally appropriate curricula while learning about child assessment systems, teaching in a diverse society, and becoming lifelong learners.

Career opportunities in the early childhood education and child development fields are many and varied. Programs for infants, toddlers, preschoolers, and school-aged children and their parents continue to increase in number. Potential careers include: early childhood teacher/administrator, child care provider, playground program specialist, social worker, consultant, play therapist/activity specialist or teacher for hospitalized children, elementary school teacher, designer of children's products, legislative analyst/aide, and human services lobbyist. Opportunities are dependent upon the amount of education and experience acquired.

State of California Community Care Licensing requires that all teachers working with young children have a minimum of 12 semester units of coursework in Early Childhood Education. Six of the 12 units must include three units in Child Growth and Development (CDF 14) and three units in Child, Family and Community (CDF 12)

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Synthesize research-based theories including principles and practices of child development and learning.
2. Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
3. Exhibit the ability to use an assessment system encompassing a variety of strategies that provide information about program effectiveness and children's development, learning, interests, strengths and needs.
4. Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
5. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners.

Required courses:		36.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 18	Children with Special Needs	3.00
CDF 40	Observation and Assessment	3.00
CDF 48	Principles and Practices of Teaching Young Children	3.00
CDF 56	Prenatal, Infant, and Toddler Development	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
CDF 78	Early Childhood Education Practicum	3.00
CDF 80	Health, Safety and Nutrition	3.00
Electives - Select 6 units from the following:		6.00
CDF 20	Curriculum for Children with Special Needs	3.00
CDF 30	Adult Supervision and Mentoring in Early Care and Education	2.00
CDF 59	Anti-Bias Curriculum in Early Childhood Programs	3.00
CDF 65	Infant/Toddler Curriculum	3.00
CDF 84	Administration I: Programs in Early Childhood Education	3.00
CDF 85	Admin II: Personnel & Leadership in Early Childhood Education	3.00
CDF 91	Parenting in Today's Society	3.00
CDF 93	Strengthening Families	3.00
CDF 99	Work Experience-CDF	3.00

Total: 36.00

Early Childhood Education (CDF) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: EARLYCHILDEDUC.CC

Students who earn this certificate will meet the requirements for Teacher level of the California Child Development Permit and become capable and competent teachers of children up to age five. This certificate also complies with Title XXII regulations for employment in community care-licensed programs. Certification requires the completion of a minimum of six units completed at Butte College and a grade of "C" or better in each course. The coursework for this certificate is also available in Spanish.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners

Required courses:		12.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
Electives - Select 6 units from the following:		6.00
CDF 18	Children with Special Needs	3.00
CDF 40	Observation and Assessment	3.00
CDF 44	Guiding Children's Behavior	3.00
CDF 48	Principles and Practices of Teaching Young Children	3.00
CDF 56	Prenatal, Infant, and Toddler Development	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
CDF 65	Infant/Toddler Curriculum	3.00
CDF 80	Health, Safety and Nutrition	3.00

Total: 12.00

Early Childhood Education (CDF) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01349.00CA

Students who earn this certificate will meet the requirements for the teacher level of the California Child Development Permit and become competent and effective lead teachers and caregivers of young children up to age five. Additional work experience and general education coursework is required to qualify for a state permit.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Synthesize research-based theories including principles and practices of child development and learning.
2. Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
3. Exhibit the ability to use an assessment system encompassing a variety of strategies that provide information about program effectiveness and children's development, learning, interests, strengths and needs.
4. Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
5. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners.

Required courses:		21.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 18	Children with Special Needs	3.00
CDF 40	Observation and Assessment	3.00
CDF 56	Prenatal, Infant, and Toddler Development	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00

Total: 21.00

Communication Studies

Communication Studies (CMST) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 30997.00AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate communication skills to connect, work, and play well with others.
2. Communicate ethically.
3. Research, organize, and create messages using appropriate resources.
4. Effectively present formal and informal communication adapted to a variety of audiences and contexts.
5. Demonstrate critical thinking.

Required courses:		18.00
Required Core - Select one		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
List A: Select two		6.00
CMST 4	Small Group Communication	3.00
CMST 10	Interpersonal Communication	3.00
CMST 14	Argumentation and Debate	3.00
List B: Select two or any List A course not used above		6.00
CMST 6	Oral Interpretation	3.00
CMST 9	Intercultural Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
RTVF 12	Mass Media and Society	3.00
List C: Select one or any List A or List B course not used above		3.00
CMST 13	Gender and Communication	3.00
JOUR 2	Introduction to Reporting and Newswriting	3.00

Total: 18.00

Communication Studies (CMST) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 19042.00AA

This program meets the lower division major preparation for Communication Studies at CSU, Chico. Visit website for details www.assist.org

This program offers vital communication skills that are in demand by virtually every company and most organizations. Students with a degree in Communication Studies are prepared to succeed in numerous professions; in fact, many studies cite "effective communication" as the number one skill in demand in today's workplace. Students majoring in Communication Studies explore communication theories and skills needed in our complex world. These include: oral and written communication, critical thinking, interpersonal communication, gender and communication, intercultural awareness and sensitivity, and effective group interaction, among others.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate communication skills to connect, work and play well with others.
2. Communicate ethically.
3. Research, organize, and create messages using appropriate resources.
4. Effectively present formal and informal communication adapted to a variety of audiences and contexts.
5. Demonstrate critical thinking.

Required courses:		18.00
CMST 4	Small Group Communication	3.00
CMST 9	Intercultural Communication	3.00
CMST 10	Interpersonal Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
CMST 14	Argumentation and Debate	3.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00

Total: 18.00

Computer Science

Computer Science (CSCI) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31930.00AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the organizational structure of computer hardware and its connection to computer software.
2. Describe how formal tools of symbolic logic are used to model real-life situations and relate the ideas of mathematical induction to recursion and recursively defined structures.
3. Design, implement, test, and debug algorithms to solve a variety of problems.
4. Design, implement, test, and debug computer programs using fundamental constructs and a variety of data structures.
5. Apply structured and object-oriented approaches to the design and implementation of computer programs.

Required courses:		29.00
Require Core		29.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 10	Computer Architecture and Organization	3.00
CSCI 22	Discrete Structures	3.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 29.00

Advanced Cyber-Security Practitioner (CSCI) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 40710.00AS

The Associate of Science Degree in Advanced Cyber-Security Practictioner will provide our community with a workforce of highly skilled digital security professionals well versed in industry standards and best practices. This program is designed to prepare students for employment in a cybersecurity related field and successfully pass globally recognized industry certifications. Upon completion of this program students will have the skills required for an entry level career as a cyber-security practitioner.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Understand, implement, and analyze access control, those policies, standards, and procedures that define who users are, what they can do, which resources they can access, and what operations they can perform on a system.
2. Use industry best practices, administer, maintain, and analyze a secure network environment through identification of information assets, and documentation of policies, standards, procedures, and guidelines that ensure confidentiality, integrity and availability.
3. Explain security analysis planning and scoping, conduct information gathering and vulnerability identification, and create reports and communicate results of security tests.
4. Develop and analyze risk, response, and recovery through the review, analysis and implementation processes essential to the identification, measurement and control of loss associated with uncertain events.
5. Analyze and protect systems from malicious code and use countermeasures and prevention techniques for dealing with viruses, worms, logic bombs, Trojan horses and other related forms of intentionally created deviant code.
6. Conceptualize, engineer, integrate and implement secure solutions in complex enterprise environments to build resilient networks.
7. Understand comprehensive data communications and analysis including: The network structure, transmission methods and techniques, transport formats and security measures used to operate both private and public communication networks.

Required courses:		35.00
Required Core:		26.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 25	Linux 1	3.00
CSCI 17		

Computer and Network Security/ Security+	3.00	
CSCI 26	Linux 2, System Administration	3.00
CSCI 18	Ethical Hacking	3.00
CSCI 24	CompTIA Advanced Security Practitioner+	3.00
BCIS 33	Skills for the Working Professional	1.00
Complete one track		9.00
CCNA track		9.00
CSCI 40	Cisco Networks Level 1	3.00
CSCI 41	Cisco Networks Level 2	3.00
CSCI 42	Cisco Networks Level 3	3.00
MSCA track		9.00
CSCI 73	Server 2016 Installation, Storage, and Compute	3.00
CSCI 74	Networking with Windows Server 2016	3.00
CSCI 75	Identity with Windows Server 2016	3.00

Total: 35.00

Advanced Cyber-Security Practitioner (CSCI) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 40709.00CA

The Certificate of Achievement in Advanced Cyber-Security Practitioner will provide our community with a workforce of highly skilled digital security professionals well versed in industry standards and best practices. This program is designed to prepare students for employment in a cybersecurity related field and successfully pass globally recognized industry certifications. Upon completion of this program students will have the skills required for an entry level career as a cyber-security practitioner.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Understand, implement, and analyze access control, those policies, standards, and procedures that define who users are, what they can do, which resources they can access, and what operations they can perform on a system.
2. Use industry best practices, administer, maintain, and analyze a secure network environment through identification of information assets, and documentation of policies, standards, procedures, and guidelines that ensure confidentiality, integrity and availability.
3. Explain security analysis planning and scoping, conduct information gathering and vulnerability identification, and create reports and communicate results of security tests.
4. Develop and analyze risk, response, and recovery through the review, analysis and implementation processes essential to the identification, measurement and control of loss associated with uncertain events.
5. Analyze and protect systems from malicious code and use countermeasures and prevention techniques for dealing with viruses, worms, logic bombs, Trojan horses and other related forms of intentionally created deviant code.
6. Conceptualize, engineer, integrate and implement secure solutions in complex enterprise environments to build resilient networks.
7. Understand comprehensive data communications and analysis including: The network structure, transmission methods and techniques, transport formats and security measures used to operate both private and public communication networks.

Required courses:		35.00
Required Core		35.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 25	Linux 1	3.00
CSCI 17	Computer and Network Security/ Security+	3.00
CSCI 26	Linux 2, System Administration	3.00
CSCI 18	Ethical Hacking	3.00
CSCI 24	CompTIA Advanced Security Practitioner+	3.00
BCIS 33	Skills for the Working Professional	1.00
Complete one track:		9.00
MSCA track		9.00
CSCI 73	Server 2016 Installation, Storage, and Compute	3.00
CSCI 74	Networking with Windows Server 2016	3.00
CSCI 75	Identity with Windows Server 2016	3.00
CCNA track		9.00
CSCI 40	Cisco Networks Level 1	3.00
CSCI 41	Cisco Networks Level 2	3.00
CSCI 42	Cisco Networks Level 3	3.00

Total: 35.00

Cisco Network Administration (CSCI) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: CISCONETWORK.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
2. Design, build, configure, and maintain small to medium-sized computer networks utilizing switches, routers, and WAN connections.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		11.00
CSCI 48	Cisco Networks Level 1 and 2	4.00
CSCI 56	Cisco Networks Level 3 & 4, Scaling and Connecting	3.00
CSCI 49	PCs and Peripherals/A+	4.00

Total: 11.00

Computer Animation and Game Development (CSCI) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 31284.02AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Students in Computer Animation and Game Development use art and technology to design and create multimedia environments that communicate, inform, and entertain. Computer Animation and Game Development provides a foundation for students who wish to pursue further studies in digital animation, video game design, 3-D modeling, texture art, concept art, special effects art, graphic art, storyboard art, and game programming. The program prepares students for transfer to the Computer Animation and Game Development program at California State University, Chico and for similar majors at other four-year colleges and universities.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video games and entertainment industries.
2. List and describe the formal and dramatic elements that comprise a well- designed video game and conceptualize and refine an idea for a video game.
3. Design and implement computer algorithms and applications using basic computation, input and output, control structures, and a variety of data structures in an object oriented programming language.
4. Use a variety of artistic and technical techniques and tools to translate ideas into multimedia presentations.

Required courses:		30.00-33.00
Required Core: Students must complete core courses plus one CSU, Chico Option		30.00-33.00
CSCI 11	Introduction to Game Design and Development	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
MSP 9	Concept Art and Design for Entertainment Media	3.00
MSP 45	3-D Computer Modeling and Animation	3.00
MSP 96	Introduction to Computer Graphics	3.00
DRAM 8	Principles of Acting I	3.00
Select one CSU, Chico option:		9.00-12.00
Art Studio Option at CSU, Chico		12.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 14	Basic Figure Drawing	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
OR		
Communication Design Option at CSU, Chico		9.00
RTVF 30	Digital Audio Production	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 74	Multimedia Production I	3.00

Total: 30.00-33.00

Computer Information Systems (CSCI) - AS Degree, Career/Technical Program

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local, CSU, IGETC
Program Code: 36241.01AS

The transfer major listed here partially reflects requirements for the Bachelor of Science in Computer Information Systems at CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Computer Information Systems (CIS) as a field focuses on practical applications of technology to support organizations. The program includes a range of subjects, including end-user Information Technology (IT) systems, IT systems analysis and design, software development, and mathematics. Potential careers for CIS graduates include IT consultant, programmer/analyst, application developer, Quality Assurance Specialist, IT support specialist, IT project manager, and many other roles in the IT industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Define terminology, concepts, and functions of end-user Information Technology (IT) systems.
2. Explain how fundamental principles of economics and accounting systems are used to inform business decisions and satisfy the needs of specific businesses and users.
3. Articulate the types of business needs that can be addressed using information technology-based solutions.
4. Articulate business requirements for a technology solution, specify alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specify the requirements for an information systems solution.
5. Design and implement computer algorithms and applications using basic computation, input and output, control structures, and a variety of data structures in an object-oriented programming language
6. Describe how formal tools of symbolic logic are used to model real-life situations, including those arising in computing contexts such as program correctness, database queries, and algorithms.

Required courses:		27.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 23	Systems Analysis and Design	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
ECON 4	Principles of Microeconomics	3.00
MATH 13	Survey of Calculus	4.00
CSCI 22	Discrete Structures	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 27.00

Computer Programming (CSCI) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 31307.01AS

The Computer Programming program prepares students for entry-level positions as computer programmers and web developers. The core curriculum covers the software development life-cycle, algorithms, fundamental data structures, database design, and the design, implementation, and testing of computer programs and dynamic websites. No prerequisite skills are required for students to enroll in the program.

The program offers courses that prepare students for entry-level positions as computer programmers and web developers.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
3. Design, implement, and test the functionality of relational databases.
4. Design, implement, and test the functionality of computer software in a variety of computer programming languages.
5. Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses:		24.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 25	Linux 1	3.00
CSCI 31	Web Development I	3.00
CSCI 32	Web Development II	3.00
BUS 18	Database Design	4.00
CSCI 36	Programming Project	2.00

Total: 24.00

Computer Programming (CSCI) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 31246.01CA

See AS Degree in Computer Programming.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
3. Design, implement, and test the functionality of relational databases.
4. Design, implement, and test the functionality of computer software in a variety of computer programming languages.
5. Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses:		24.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 25	Linux 1	3.00
CSCI 31	Web Development I	3.00
CSCI 32	Web Development II	3.00
BUS 18	Database Design	4.00
CSCI 36	Programming Project	2.00

Total: 24.00

Computer Science (CSCI) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 11138.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the organizational structure of computer hardware and its connection to computer software.
2. Apply the structured approach to computer software system design.
3. Apply the object-oriented approach to computer software system design.
4. Document program source code following established conventions and standards.

Required courses:		29.00-31.00
CSCI 10	Computer Architecture and Organization	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
Select 2 courses from the following:		8.00-10.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 29.00-31.00

Computer Support Technician (CSCI) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: COMPUTERSUPPTECH.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
4. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		10.00
CSCI 17	Computer and Network Security/ Security+	3.00

CSCI 49	PCs and Peripherals/A+	4.00
CSCI 19	Computer Networking Fundamentals	3.00

Total: 10.00

Computer System Administration (CSCI) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 31306.02AS

The Computer System Administration program prepares students for industry standard certification exams and entry-level positions as computer support technicians and computer system administrators. The core curriculum covers Microsoft server installation, configuration, troubleshooting, and maintenance. No prerequisite skills are required for students to enroll in the program.

The program offers courses that prepare students for a variety of industry certification exams, including Microsoft MCSA, CompTIA A+, CompTIA Linux+, CompTIA Network+, and CompTIA Security+.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.
4. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
5. Install, configure, maintain, and network Microsoft desktop computer workstations.
6. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
7. Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
8. Implement a core Windows Server 2016 infrastructure in an existing enterprise environment.
9. Implement, manage, maintain and provision services and infrastructure in a Windows Server 2016 environment.

Required courses:		35.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/ Security+	3.00
CSCI 25	Linux 1	3.00
CSCI 40	Cisco Networks Level 1	3.00
CSCI 41	Cisco Networks Level 2	3.00
CSCI 42	Cisco Networks Level 3	3.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 73	Server 2016 Installation, Storage, and Compute	3.00
CSCI 74	Networking with Windows Server 2016	3.00
CSCI 75	Identity with Windows Server 2016	3.00
CSCI 65	Microsoft SQL Database Administration	3.00
BCIS 33	Skills for the Working Professional	1.00

Total: 35.00

Computer System Administration (CSCI) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 31236.02CA

See AS Degree in Computer Systems Administration.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.
4. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
5. Install, configure, maintain, and network Microsoft desktop computer workstations.
6. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
7. Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
8. Implement a core Windows Server 2016 infrastructure in an existing enterprise environment.
9. Implement, manage, maintain and provision services and infrastructure in a Windows Server 2016 environment.

Required courses:		35.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/ Security+	3.00
CSCI 25	Linux 1	3.00
CSCI 40	Cisco Networks Level 1	3.00
CSCI 41	Cisco Networks Level 2	3.00
CSCI 42	Cisco Networks Level 3	3.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 73	Server 2016 Installation, Storage, and Compute	3.00
CSCI 74	Networking with Windows Server 2016	3.00
CSCI 75	Identity with Windows Server 2016	3.00
CSCI 65	Microsoft SQL Database Administration	3.00
BCIS 33	Skills for the Working Professional	1.00

Total: 35.00

Microsoft Server Administration (CSCI) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: MICROSOFTSERVER.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Implement a core Windows Server 2016 infrastructure in an existing enterprise environment.
2. Implement, manage, maintain and provision services and infrastructure in a Windows Server 2016 environment.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		9.00
CSCI 73	Server 2016 Installation, Storage, and Compute	3.00
CSCI 74	Networking with Windows Server 2016	3.00
CSCI 75	Identity with Windows Server 2016	3.00

Total: 9.00

Construction

Applied Construction (CNST) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37967.00CA

The Certificate of Achievement in Applied Construction is designed to prepare students to meet entry-level requirements for skilled jobs in the construction industry covering a broad range of skills from foundation to finish.

Career Opportunities
Recently, our area was struck by the Camp Wildfire which destroyed over 15,000 structures. In the next decade and beyond, our local industry partners anticipate significant additional need for skilled labor as we recover from this unprecedented event.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice industry standards for safety used in construction environments.
2. Interpret technical drawings and schematics for use in construction applications.
3. Employ the techniques and materials used in common construction projects.
4. Demonstrate the techniques used in foundation and wall layout.
5. Manage and maintain the mechanical and electrical systems used in construction projects.
6. Demonstrate the proper technique employed in the operation of various hand and power tools.

Required courses:		30.00
CNST 1	Introduction to Construction	3.00
CNST 15	Materials and Methods of Construction	3.00
CNST 35	Electrical and Mechanical Systems	3.00
CNST 5	Plans, Specifications, & Surveying	3.00
CNST 10	Properties and Applications of Concrete	4.00
CNST 20	Foundations and Concrete Structures	3.00
CNST 25	Construction Framing	4.00
CNST 30	Interior and Exterior Finishes	4.00
CNST 40	Construction Cost Estimating I	3.00

Total: 30.00

Construction Management (CNST) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local, CSU
Program Code: 38057.00AS

The Associate of Science Degree in Construction Management prepares students to transfer into a bachelor's degree program in the junior year of a 4 year program. With the completion of this degree, students will possess fundamental knowledge and skills required in the field of construction management which include planning, coordinating, budgeting and supervising construction projects from start to finish in a growing nationwide field. Our neighboring 4-year institution (CSU Chico) has a thriving and mature Construction Management program that we have modeled our curriculum on to optimize the transferability of credits.

Career Opportunities
The nationwide market for construction is in desperate need of skilled labor over the spectrum of construction roles required in a diverse and thriving economy (Construction and Construction Management is one of the most rapidly growing labor markets in the US). Recently, our more immediate area was struck by the Camp Wildfire which destroyed over 15,000 structures. In the next decade and beyond, our local industry partners anticipate significant additional need for skilled labor as we recover from this unprecedented event.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe the different subfields within the construction industry and how they relate to each other.
2. Interpret technical drawings and schematics for use in cost estimation, scheduling, and construction applications.
3. Apply physical science techniques to understand the fundamental properties of mechanical and electrical systems.
4. Manage and maintain the mechanical and electrical systems used in construction projects.
5. Employ accounting principles as they relate to construction planning and business maintenance.

Required courses:		42.00
CNST 1	Introduction to Construction	3.00
CNST 15	Materials and Methods of Construction	3.00
CNST 45	Construction Graphics	3.00
CNST 21	Analysis of Construction Drawings and Specifications	3.00
CNST 35	Electrical and Mechanical Systems	3.00
CHEM 51	Elementary Inorganic Chemistry	5.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
PHYS 21	College Physics I	4.00
MATH 13	Survey of Calculus	4.00

Total: 42.00

Construction Management (CNST) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37967.00CA

The Certificate of Achievement in Construction Management represents the core non-GE requirements of the AS degree in Construction Management. If students chose to transfer to a 4-year program in Construction Management without completing the GE requirements, possession of this certificate provides the student with an accurate summary of the program completed. With the completion of this certificate, students will possess fundamental knowledge and skills in construction managers plan, coordinate, budget and supervise construction projects from start to finish in a growing nationwide field. Our neighboring 4 year institution (CSU Chico) has a thriving and mature Construction Management program that we have modeled our curriculum on to ensure clean transfer of all units completed in this program.

Career Opportunities
The nationwide market for construction is in desperate need of skilled labor over the spectrum of construction roles required in a diverse and thriving economy (Construction and Construction Management is one of the most rapidly growing labor markets in the US). Recently, our more immediate area was struck by the Camp Wildfire which destroyed over 15,000 structures. In the next decade and beyond, our local industry partners anticipate significant additional need for skilled labor as we recover from this unprecedented event.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe the different sub fields within the construction industry and how they relate to each other.
2. Interpret technical drawings and schematics for use in cost estimation, scheduling, and construction applications.
3. Apply physical science techniques to understand the fundamental properties of mechanical and electrical systems.
4. Manage and maintain the mechanical and electrical systems used in construction projects.
5. Employ accounting principles as they relate to construction planning and business maintenance.

Required courses:	42.00

CNST 1	Introduction to Construction	3.00
CNST 15	Materials and Methods of Construction	3.00
CNST 45	Construction Graphics	3.00
CNST 21	Analysis of Construction Drawings and Specifications	3.00
CNST 35	Electrical and Mechanical Systems	3.00
CHEM 51	Elementary Inorganic Chemistry	5.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
PHYS 21	College Physics I	4.00
MATH 13	Survey of Calculus	4.00

Total: 42.00

Cosmetology

Cosmetology (COS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01370.00AS

Cosmetology is a 1,600 hour course of study designed to meet the State of California Cosmetology Act. Butte College offers 1,680 hours of study in a seven-module sequence of courses, with each module six weeks in duration. By meeting required academic and attendance standards, each six-week module will result in 5 semester units of college credit.

The 7 six-week modules can be completed in approximately eleven months. Successful completion will enable the student to meet the 1,600 hour state licensing requirement and will result in a total of 35 units of college credit.

A Certificate of Achievement can be earned by completing the seven-module, 1,600-hour COS 100-106 program. No other General Education, competency, or district requirements need be completed for the certificate.

We also offers training programs for manicuring and skin care (esthetician).

In order to obtain a Cosmetologist License and practice Cosmetology in the State of California, students must be 17 years of age or older, have a high school diploma or GED, successfully complete the 1,600 course of study and pass the state examination (written and practical). Tests are administered through the Department of Consumer Affairs Bureau of Barbering and Cosmetology.

To enroll in this program, potential students should contact the Butte College Cosmetology and Barbering School at (530) 895-2022.

Job opportunities for licensed cosmetologists include working for chain and independent beauty salons and spas (large and small), salons and spas on luxury ships, department store salons and cosmetic departments, beauty supply stores, retail and wholesale selling, manufacturer's representatives, research and development, salon managers, owners and educators.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Safely and accurately use all equipment and products relating to the industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment.
3. Apply necessary health and safety rules.
4. Demonstrate appropriate communication skills.
5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

Required courses:		35.00
COS 100	Introduction to Cosmetology	5.00
COS 101	Cosmetology I	5.00
COS 102	Cosmetology II	5.00
COS 103	Cosmetology III	5.00
COS 104	Cosmetology IV	5.00
COS 105	Cosmetology V	5.00
COS 106	Cosmetology VI	5.00

Total: 35.00

Cosmetology (COS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01370.00CA

See AS Degree in Cosmetology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Safely and accurately use all equipment and products relating to the industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment.
3. Apply necessary health and safety rules.
4. Demonstrate appropriate communication skills.
5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

COS 100	Introduction to Cosmetology	5.00
COS 101	Cosmetology I	5.00
COS 102	Cosmetology II	5.00
COS 103	Cosmetology III	5.00
COS 104	Cosmetology IV	5.00
COS 105	Cosmetology V	5.00
COS 106	Cosmetology VI	5.00

Required courses: 35.00

Total: 35.00

Cosmetology to Barbering Crossover (COS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: COSTOBARBERCROSS.CC

Students proficient in cosmetology are provided training in barbering and prepares the student for the California State Board Barber Examination. Students are introduced to the theory and advanced techniques of preparing the client's hair for shaving, assessing the condition of the client's skin, performing shaving techniques, applying after-shave antiseptic following facial services, massaging the client's face, Rolland cream massages. Students will spend 30 hours in a classroom setting and 210 hours in laboratory activities. Upon completing this course, students are expected to have a minimum of 1,800 hours of applied skill practice required by the State of California Board of Barbering and Cosmetology.

Barbering services can only be performed by licensed California Barbers. The demand for these services is increasing with wait lists or loss of business due to Salon's only providing Cosmetology services or limited by staff holding a California Barbering license. Individuals who want to meet the requirements for barber licensure must first satisfy the education or apprenticeship requirement set forth by California's department of barbering/cosmetology. The EDD expects the number of California-based barbers to increase to even higher levels during the ten-year period ending in 2022 just to keep pace with growing demand. This growth level of 19.6% is 1.5 times higher than the national rate of increase. The average salary for barbers in California was $25,397 in 2014 according to the state's Employment Development Division (EDD). California's barbers earning in the 75th percentile (top 25% percent) made $28,725 on average, which is nearly 1.5 times more than their colleagues in the 25th percentile (bottom 25%), who earned $19,302 on average.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate proper tool and equipment use and care.
2. Perform straight razor-holding positions and cutting strokes.
3. Demonstrate honing and strapping techniques.
4. Discuss the evolution of barbering.
5. Explain the difference between a standard shave, a once-over shave and a close shave from a standard shave.
6. Explain the primary purpose of barber laws, rules and regulations.
7. List the rules of professional ethics in barbering.
8. List important characteristics used to determine a mustache design.
9. Demonstrate and perform the following cutting techniques: fingers-and-shear, shear-over-comb, clipper cutting, clipper-over-comb, and razor cutting.
10. Perform standard cutting positions and strokes with a straight razor.
11. Demonstrate a facial and neck shave.
12. Discuss the art and science of men's hair cutting and styling.
13. Discuss general sanitation and safety precautions of shaving.

Required courses:		5.00
COS 107	Cosmetology to Barbering Crossover	5.00

Total: 5.00

Manicuring (COS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: MANICURING.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Safely and accurately use all equipment and products relating to the industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment.
3. Apply necessary health and safety rules.
4. Demonstrate appropriate communication skills.

5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

Required courses:		10.00
COS 108	Manicuring	10.00

Total: 10.00

Drafting

3D Mechanical Applications (DFT) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 3DMECHAPPS.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Use a solid modeling application like Solid Works or Autodesk Inventor to develop parts, assemblies and output annotated drawings.
2. Interpret and differentiate technical information provided on a manufacturing or fabrication print, including dimensions, tolerances, and specifications and other precision detail.
3. Explain and demonstrate the use of added tools for 3D modeling including simulation, conversion from CAD (computer aided drafting) and specialty tools like sheet metal development, weldment development as well as animation and motion.

DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
DFT 16	Print Reading For Industry and Manufacturing	3.00

Total: 9.00

Architectural Drafting and Modeling (DFT) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ARCHDRAFTMODEL.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Read and interpret information provided by construction documents including: Plans, specifications, details and sections.
2. Properly setup a CAD (computer-aided drafting) application like AutoCAD with drafting settings to create, edit, and save drawing files.
3. Prepare a residential plan set with proper properties, layers, types and developments in model form with associated layouts for architectural applications.
4. Identify, create and modify different types of building elements, views, and rendered views using a 3D modeling tool for architecture .

Required courses:		12.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00

Total: 12.00

Drafting and CAD Technology (DFT) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01324.00AS

The Drafting and CAD Technology program is designed to prepare students to meet the drafting requirements of industry. The diversity of the program allows students to pursue a career with a variety of companies that employ drafters. The program can be arranged to earn either a Certificate of Achievement or an AS degree.

In CAD and solids modeling, students will discover real-world connections for their interests in math and science, and through hands-on activities improve their skills and become more confident. A year or more of high school drafting is very beneficial. Students need to be neat, methodical, and have an aptitude for spatial thinking. Students who are still enrolled in high school and

who are considering a career as a drafter are encouraged to take courses in trigonometry, physical science, and computer science.

Students who complete this program will be able to prepare drawings for individuals and companies in the architectural, civil engineering, construction, and manufacturing technology fields. Students will gain extensive experience using computer aided drafting (CAD) techniques. Students will also have experience reading construction drawings and interpreting specifications.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the role of technical graphics in the engineering design process.
2. Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
3. Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
4. Produce a comprehensive project, 3D model, or set of drawings including specifications from a broad instruction set to an industry-based expectation for completeness and correctness.

Required courses:		33.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00
DFT 46	Building Information Modeling II - Advanced Applications	3.00
CSCI 2	Business and Computer Information Systems	3.00
MATH 20	Trigonometry	3.00
PSC 20	Introductory Physical Science	3.00
Select one:		3.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 16	Print Reading For Industry and Manufacturing	3.00
Select one:		3.00
AET 26	Basic Surveying	3.00
ENGR 3	Plane Surveying I	3.00

Total: 33.00

Drafting and CAD Technology (DFT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01324.00CA

See AS Degree in Drafting and CAD Technology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the role of technical graphics in the engineering design process and in the architectural design process.
2. Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
3. Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
4. Produce a project, architecture-based model from a given instruction set to an industry-based expectation for completeness and correctness.

Required courses:		21.00
DFT 2	Engineering Graphics I	3.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00
DFT 46	Building Information Modeling II - Advanced Applications	3.00
MATH 20	Trigonometry	3.00

Total: 21.00

Drama

Theatre Arts (DRAM) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31850.00AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
2. Discuss theatre arts from classic to contemporary, including the growth of drama within the context of the human condition.
3. Use appropriately the terminology of acting and the theatre.
4. Analyze scripts as they pertain to performances.
5. Demonstrate proficiency in specific areas of technical expertise.
6. Collaborate with others to create theatre productions.
7. Apply standard practices of ensemble playing in both rehearsal and performance environments.
8. Analyze dramatic literature and productions to identify form and period.

Required courses:		18.00
DRAM 2	Theatre Arts Appreciation	3.00
DRAM 8	Principles of Acting I	3.00
Select one:		3.00
DRAM 11	Youth Outreach Theatre	3.00
DRAM 12	Rehearsal & Performance	3.00
DRAM 14	Theatre Production Workshop	3.00
List A: Select three courses		9.00
DRAM 9	Principles of Acting II	3.00
DRAM 21	Introduction to Theatre Design	3.00
DRAM 22	Introduction to Stage Lighting	3.00
DRAM 15	Costume Construction I	3.00
Or if not used in Required Core:		9.00
DRAM 11	Youth Outreach Theatre	3.00
DRAM 12	Rehearsal & Performance	3.00
DRAM 14	Theatre Production Workshop	3.00

Total: 18.00

Theatre Arts (DRAM) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: THEATREARTS.CC

Through an intensive program of production work in the Butte College Drama Department, combined with courses throughout the college, the student will gain the theory and applied training work experience to find career choices in live theatre, film and other communication related fields. Upon completion of this certificate program, the student will be able to analyze texts and scripts as they pertain to performances, demonstrate the ability to complete assignments in his/her area of technical expertise, collaborate with others to produce a live stage performance, recognize standard practices of ensemble playing in a rehearsal/performance environment, analyze dramatic literature or productions to identify form and period.

The Certificate in Theatre Arts equips students with a multitude of skills applicable to many careers, not just those in the performing arts. The students earning a Certificate in Theatre Arts are prepared for a a host of job opportunities within and beyond the performing arts, including but not limited to: Actor, Director, Technician, Sales Representative, Customer Service Representative, Stage Crew, Carpenter, House Manager, Amusement Park Entertainer, Model, Tour Guide and Voice-Over Performer.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
2. Use appropriately the terminology of acting and the theatre.
3. Collaborate with others to create theatre productions.
4. Apply standard practices of ensemble playing in both rehearsal and performance environments.

Required courses:		15.00
DRAM 2	Theatre Arts Appreciation	3.00
DRAM 8	Principles of Acting I	3.00
DRAM 12	Rehearsal & Performance	3.00
DRAM 14	Theatre Production Workshop	3.00
Electives - Select 3 units from the following:		3.00
DRAM 4	Creative Drama and Theatre for Children	3.00
DRAM 9	Principles of Acting II	3.00
DRAM 15	Costume Construction I	3.00
DRAM 100	Introduction to Professional Theatre	1.00
MUS 30	Voice I	1.00
DRAM 18	Musical Comedy Workshop	3.00
KIN 40	Jazz Dance I	1.50
DRAM 19	Choreography for Performance	2.00

Total: 15.00

Economics

Economics (ECON) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 33927.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Apply macro and microeconomic models to understand differing perspectives on how an economy as well as different industries operate.
2. Analyze how economic policy changes will effect an economy and specific industry structures.
3. Utilize economic data and specific economic coefficients to understand how markets operate efficiently.
4. Analyze markets to determine when they operate efficiently and when they fail.

Required courses:		20.00-23.00
Required Core		20.00-23.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
Select one:		4.00-5.00
MATH 13	Survey of Calculus	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
List A: Select one		3.00-4.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
MATH 31	Analytic Geometry and Calculus II	4.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
List B: Select one or any course from List A not already used		3.00-4.00
ECON 20	Economic History of the U.S.	3.00
ECON 35	Introduction to Environmental Economics	3.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 42	Linear Algebra	3.00

Total: 20.00-23.00

Education

Elementary Teacher Education (EDUC) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 33563.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Students who seek to become teachers in primary, secondary, bilingual, or special education will find this to be an ideal educational program. This pathway focuses on building the knowledge, skills, and dispositions that prepare professionals to work with children grades TK to twelve. In this program, students will learn how to promote healthy development and learning in individually, culturally, and linguistically responsive ways, and will complete their first two years of a four-year degree.

Employment of elementary school teachers is projected to grow above 6% due to the projected increases in student enrollment and the increase of teacher's retirements. The median annual wage is around $54,550.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Evaluate and apply Transitional Kindergarten 12th grade state-adopted curriculum standards and frameworks, and teach to a diverse population of students.
2. Design learning experiences based on an understanding of students' physical, cognitive, emotional, social, creative, cultural, and linguistic needs.
3. Utilize observations and assessments to monitor student progress and create developmentally appropriate curriculum for instruction.
4. Create and maintain an inclusive learning environment that supports all students academic and personal success.

Required courses:		48.00-49.00
Required Core		
EDUC 2	Introduction to Education	3.00
CDF 14	Child Growth and Development	3.00
BIOL 1	Introduction to Biology	4.00
PSC 12	Concepts in Physical Science	4.00
PSC 11	Earth Science with Lab	4.00
MATH 4	Concepts in Mathematics for Teachers I	3.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
ENGL 4	Introduction to Literature	3.00
GEOG 8	World Regional Geography	3.00
HIST 3	World History to 1500	3.00
HIST 8	United States History to 1877	3.00
POS 2	United States Government	3.00
List A: Select one		3.00
CMST 14	Argumentation and Debate	3.00
ENGL 11	Communication and Critical Thinking	3.00
MATH 7	Formal Logic and Writing	3.00
PHIL 6	Intro To Logic & Critical Thinking	3.00
PHIL 8	Methods of Argument	3.00
List B: Select one		3.00
ART 1	Art Appreciation	3.00
MUS 1	Music Appreciation	3.00
DRAM 2	Theatre Arts Appreciation	3.00

Total: 48.00-49.00

Liberal Studies (EDUC) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local, CSU, IGETC
Program Code: 01372.00AA

This program is the lower division pathway for students seeking transfer to CSU, Chico's BA in Liberal Studies. Students seeking to transfer to a different CSU, not CSU, Chico, should follow the AA-T Elementary Teacher Education pathway. The Liberal Studies pathway is an interdisciplinary majoring consisting of courses drawn from humanities, social sciences, mathematics, arts, language and sciences. Students in the program will receive a well-rounded education preparing them for careers as a elementary school teaching; however, the major is also appropriate for students who wish to have an interdisciplinary studies degree.

The Integrated Teacher Education Program (ITEP) is an accelerated pathway option that integrates the AA degree in Liberal Studies, the Bachelor's degree in Liberal Studies and a teacher credential in four years. This accelerated pathway is designed for individuals who already know they want to become a teacher. It requires concurrent enrollment in both CSU Chico courses while also attending Butte and may include summer course work. To learn more about the ITEP option speak with a counselor.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.
2. Describe the ways in which humanities, social sciences, mathematics, arts, language and sciences coursework will enhance one's awareness, discover academic interests, and develop academic skills.
3. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
4. Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies.
5. Examine major physical, psychosocial, language and cognitive developmental milestones of the developing child.

Required courses:		34.00
EDUC 2	Introduction to Education	3.00
BIOL 1	Introduction to Biology	4.00
CDF 14	Child Growth and Development	3.00
MATH 4	Concepts in Mathematics for Teachers I	3.00
MATH 5	Concepts in Mathematics for Teachers II	4.00
HIST 3	World History to 1500	3.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
Select one:		3.00
POS 2	United States Government	3.00
POS 12	California State and Local Government	3.00
Select one:		3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 26	Men and Women in American History	3.00
ECON 20	Economic History of the U.S.	3.00

Total: 34.00

Liberal Studies: Bilingual Option (EDUC) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local, CSU, IGETC
Program Code: 11133.00AA

This program is the lower division pathway for students seeking transfer to CSU, Chico's BA in Liberal Studies. Students seeking to transfer to a different CSU, not CSU, Chico, should follow the AA-T Elementary Teacher Education pathway. The Liberal Studies pathway is an interdisciplinary majoring consisting of courses drawn from humanities, social sciences, mathematics, arts, language and sciences. Students in the program will receive a well-rounded education preparing them for careers as a elementary school teaching with a bilingual option.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.
2. Describe the ways in which humanities, social sciences, mathematics, arts, language and sciences coursework will enhance one's awareness, discover academic interests, and develop academic skills.
3. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
4. Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies.
5. Examine major physical, psychosocial, language and cognitive developmental milestones of the developing child.
6. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.

Required courses:		45.00
EDUC 2	Introduction to Education	3.00
BIOL 1	Introduction to Biology	4.00
CDF 14	Child Growth and Development	3.00
MATH 4	Concepts in Mathematics for Teachers I	3.00
MATH 5	Concepts in Mathematics for Teachers II	4.00
HIST 3	World History to 1500	3.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
MCGS 36	Introduction to Chicano American Studies	3.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00
Select one:		3.00
POS 2	United States Government	3.00
POS 12	California State and Local Government	3.00

Select one:		3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 26	Men and Women in American History	3.00
ECON 20	Economic History of the U.S.	3.00

Total: 45.00

Para Education (EDUC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: PARAEDUC.CC

Students who earn this certificate in Para Education will develop skills that are valued by employers. Certificate holders may begin careers as Para Educator, Para Professional, Teacher Assistant, or Teacher Aid in the TK-12 schools.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain their role and responsibilities as a para educator
2. Increase their knowledge about typical and atypical developmental patterns in children
3. Provide instructional supports using individualized educational plans for diverse learners

Required courses:		12.00
CDF 14	Child Growth and Development	3.00
EDUC 2	Introduction to Education	3.00
EDUC 4	Introduction to Para Education	3.00
EDUC 5	Working With School-Age Children	3.00

Total: 12.00

Emergency Medical Services

Emergency Medical Responder (EMR) (EMS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: EMR.CC

The primary focus of the Emergency Medical Responder is to initiate immediate lifesaving care to critical patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response and to assist higher level personnel at the scene and during transport. Emergency Medical Responders function as part of a comprehensive EMS response. Emergency Medical Responders perform basic interventions with minimal equipment.

This course will instruct students to the level of Emergency Medical Responder (EMR). This is the first step in the recognized ladder of training in EMS. Subsequent training enhances the knowledge and skills first learned here. The course also allows for the individual to go out and work as an EMR in such jobs as fire fighter, life guard, law enforcement officer or an in house emergency response team member in private industry. The primary focus of the EMR is to initiate immediate lifesaving care to critical patients who access the emergency medical system. The course covers the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response and to assist higher level personnel at the scene and during transport. Emergency Medical Responders function as part of a comprehensive EMS response, under medical oversight.

The department recommends that you take the following courses along with this course Medical Terminology (ALH 104) and Soft Skills for Professional Health Care (ALH 6).

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate the ability to comprehend, apply and evaluate information relevant to their role as an entry level EMR.
2. Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMR.
3. Demonstrate personal behavior consistent with professional and employer expectations of an entry level EMR.

Required courses:	4.00
EMS 110 Emergency Medical Responder	4.00

Total: 4.00

Emergency Medical Technician (EMT) (EMS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: EMT.CC

The primary focus of the Emergency Medical Technician is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Emergency Medical Technicians function as part of a comprehensive EMS response. Emergency Medical Technicians perform interventions with basic equipment typically found on an ambulance. The Emergency Medical Technician is a link from the scene to the emergency health care system.

The department recommends that you take the following courses along with this course Medical Terminology (ALH 104), Soft Skills for Professional Health Care (ALH 6), Introduction to Human Biology (BIOL 2), Survey of Human Systems (BIOL 10).

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate the ability to comprehend, apply, analyze, and evaluate information relevant to their role as an entry level EMT.
2. Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMT.
3. Demonstrate personal behavior consistent with professional and employer expectations for the entry level EMT.

EMS 111 Emergency Medical Technician	8.00

Total: 8.00

Paramedic (EMS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01343.01AS

The Paramedic program is designed to prepare the student to become a licensed paramedic in the State of California. It meets all California requirements. The program is also accredited by the Committee on Accreditation for the EMS Professions

(CoAEMSP). Licensure examinations may be taken upon completion of the two-semester program.The goal of the Butte College Paramedic Program is to prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

Paramedics function as an integral part of the comprehensive Emergency Medical System (EMS). By providing care at the scene of the incident and during transport to the hospital, the paramedic must possess a variety of skills ranging from system level knowledge of the human body to operational skills in applying various technologies used in assisting patients in emergency situations. This two-year program will provide both an AS degree and the opportunity to take the national exam to receive a Paramedic license.

Employment of Emergency Medical Technicians (EMTs) and Paramedics is projected to grow 24 percent from 2014 to 2024, much faster than the average for all occupations. Emergencies, such as motor vehicle accidents, natural disasters and acts of violence, will continue to create demand for EMTs and Paramedics. Demand for part-time, volunteer EMTs and Paramedics in rural areas and smaller metropolitan areas will also continue.

Growth in the middle-aged and elderly population will lead to an increase in age-related health emergencies, such as heart attacks and strokes. This increase, in turn, will create greater demand for EMT and Paramedic services. An increase in the number of specialized medical facilities will require more EMTs and Paramedics to transfer patients with specific conditions to these facilities for treatment.

Typical areas of employment include fire departments, private ambulance companies, hospitals, private industry and events, law enforcement, and lifeguards.

Admission to the Program
Requires special application for admission. Prerequisites must be completed at a Regionally Accredited institution of higher education or COAEMSP. Requirements include: High school graduate or equivalent. Current National Registry EMT certification or AEMT (Advanced EMT) certification, and current BLS CPR card equivalent to the current American Heart Association's guidelines (no online CPR).

Students who successfully complete a Certificate of Achievement from Butte College May then take the National Registry examination. Nationally Registered Paramedics (NRParamedic) can then apply to their state of residence for paramedic licensure.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate in the pre-hospital setting the ability to comprehend, apply, analyze and evaluate information relevant to their role as an entry level EMT-P.
2. Demonstrate in the pre-hospital setting technical proficiency in all skills necessary to fulfill the role of an entry level EMT-P.
3. Demonstrate in the pre-hospital setting personal behavior consistent with professional and employer expectations of an entry level EMT-P.

Required courses:		36.50
EMS 170	Paramedic-Theory	21.00
EMS 171	Paramedic Clinical and Field Internship	15.50

Total: 36.50

Paramedic (EMS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01343.01CA

See AS Degree in Paramedic.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate in the pre-hospital setting the ability to comprehend, apply, analyze and evaluate information relevant to their role as an entry level EMT-P.
2. Demonstrate in the pre-hospital setting technical proficiency in all skills necessary to fulfill the role of an entry level EMT-P.
3. Demonstrate in the pre-hospital setting personal behavior consistent with professional and employer expectations of an entry level EMT-P.

Required courses:		36.50
EMS 170	Paramedic-Theory	21.00
EMS 171	Paramedic Clinical and Field Internship	15.50

Total: 36.50

Engineering

Civil Engineering Technology (ENGR) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01322.00AS

The Civil Engineering Technology program is designed to prepare students to enter the world of Civil Engineering Technologists or Technicians. The program has sufficient breadth to include surveying, map drafting, and computer aided drafting (CAD). After completion of the two-year program, the student will be prepared to enter civil engineering technology at the entry level. To be successful in this program it is desirable that students have background in math through intermediate algebra, physics, and science. A year or more of high school drafting is a plus. Students should be prepared for a rigorous two-year training program. Students who are still enrolled in high school and considering a career as a civil engineering technologist or technician are encouraged to take classes in math, drafting and computer science.

Students who complete this program will be able to serve on a field survey crew, work in an engineering office, and prepare maps for recordation. Students will be able to prepare maps with both conventional drafting instruments and with the help of the computer (CAD). In every constituency there exists a need for trained engineering technicians and technologists. The information in this course of study is used daily in most public works departments in all counties and in all engineering offices in the state.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the history, functions, and types of engineering.
2. Use survey equipment to measure and record angles and distances in the field.
3. Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.
4. Collect, analyze, and summarize data in a professional report.

Required courses:		27.00-28.00
DFT 2	Engineering Graphics I	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 4	Print Reading for Construction and Architecture	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
MATH 20	Trigonometry	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00

Total: 27.00-28.00

Civil Engineering Technology (ENGR) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01322.00CA

See AS Degree in Civil Engineering Technolpgy.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the history, functions, and types of engineering.
2. Use survey equipment to measure and record angles and distances in the field.
3. Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.
4. Collect, analyze, and summarize data in a professional report.

Required courses:		21.00-22.00
ENGR 1	Introduction to Engineering	3.00
DFT 2	Engineering Graphics I	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
MATH 20	Trigonometry	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00

Total: 21.00-22.00

Engineering (ENGR) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01321.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Demonstrate an ability to develop engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices.
4. Demonstrate knowledge of the general methods of problem solving using data gathered in the field.
5. Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

Required courses:		44.00-54.00
Required Core: Students must complete core courses plus one CSU, Chico Option		38.00
CHEM 1	General Chemistry I	5.00
ENGR 17	Electrical Circuits and Devices	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
Select one CSU, Chico option:		6.00-16.00
Civil Engineering Option at CSU, Chico		16.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
DFT 12	Beginning AutoCAD Drafting	3.00
OR		
Computer Engineering Option at CSU, Chico		6.00
CSCI 10	Computer Architecture and Organization	3.00
Select one:		3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
OR		
Electrical/Electronic Engineering Option at CSU, Chico		6.00
CSCI 10	Computer Architecture and Organization	3.00
CSCI 20	Programming and Algorithms I	3.00
OR		
Mechanical Engineering Option at CSU, Chico		13.00
DFT 2	Engineering Graphics I	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
DFT 8	Engineering Graphics II	3.00

Total: 44.00-54.00

English

English (ENGL) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31133.00AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

With the completion of the AA-T in English, students will possess the foundational knowledge and skills that comprise the core content of the first two years of many four-year programs in English.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze themes within course texts and compare them to the ways these themes are treated in other course texts.
2. Synthesize analyses of specific details in particular works of literature in support of a clear, overall point or thesis.
3. Identify, employ and evaluate different frameworks for analyzing and interpreting literature. These frameworks may

include political, socioeconomic, geographical, ethnic, cultural, ecological, psychoanalytical, historical, gender, and genre development.

Required courses:		18.00
Required Core		6.00
ENGL 11	Communication and Critical Thinking	3.00
ENGL 4	Introduction to Literature	3.00
List A: Select two		6.00
ENGL 8	British Literature I	3.00
ENGL 10	British Literature II	3.00
ENGL 14	U.S. Literature I	3.00
ENGL 16	U.S. Literature II	3.00
List B: Select one or any course from List A or List B not already used		3.00
ENGL 6	Creative Writing	3.00
ENGL 15	Film as Literature	3.00
ENGL 21	Mythology	3.00
ENGL 25	Introduction to Shakespeare	3.00
ENGL 60	Creative Writing: Fiction	3.00
List C: Select one or any course from List A or List B not already used		3.00
ENGL 26	Queer Film and Literature	3.00
ENGL 31	Existential Literature: A Literary Approach to Self Integration	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
ENGL 45	Latino Literature and its Latin American Roots	3.00
ENGL 47	Native American Literature	3.00
ENGL 20	Introduction to Poetry	3.00

Total: 18.00

Language Arts (ENGL) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 11131.00AA

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Assess the applications of a Language Arts AA Degree for personal advancement in educational and/or professional goals.
2. Identify, employ and evaluate different frameworks and perspectives for analyzing and interpreting literature or communication artifacts. These frameworks may include political, socioeconomic, geographical, ethnic, cultural, ecological, psychoanalytical, historical, gender, sexuality, and genre development.
3. Demonstrate oral, aural and non-verbal competence as appropriate to the discipline, or language.
4. Define ethical communication and explain the principles that it encompasses, regardless the discipline, language or medium.
5. Research, organize and create written, oral, and non-verbal messages using appropriate resources.

Required courses:		18.00
Choose 6-7 units from:		6.00
ENGL 4	Introduction to Literature	3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Choose 12 units from:		12.00
ENGL 4	Introduction to Literature	3.00
ENGL 8	British Literature I	3.00
ENGL 10	British Literature II	3.00
ENGL 14	U.S. Literature I	3.00
ENGL 15	Film as Literature	3.00
ENGL 16	U.S. Literature II	3.00
ENGL 20	Introduction to Poetry	3.00
ENGL 21	Mythology	3.00
ENGL 25	Introduction to Shakespeare	3.00
ENGL 31	Existential Literature: A Literary Approach to Self Integration	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
ENGL 47	Native American Literature	3.00
CHIN 1	First Semester Chinese	4.00
CHIN 2	Second Semester Chinese	4.00
FREN 1	First Semester French	4.00
FREN 2	Second Semester French	4.00
ITAL 1	First Semester Italian	4.00
ITAL 2	Second Semester Italian	4.00
JPN 1	First Semester Japanese	4.00
JPN 2	Second Semester Japanese	4.00

JPN 3	Third Semester Japanese	4.00
JPN 4	Fourth Semester Japanese	4.00
LATN 1	First Semester Latin	4.00
LATN 2	Second Semester Latin	4.00
LATN 3	Third Semester Latin	4.00
GERM 1	First Semester German	4.00
GERM 2	Second Semester German	4.00
GERM 3	Third Semester German	4.00
GERM 4	Fourth Semester German	4.00
ASL 1	American Sign Language I	4.00
ASL 2	American Sign Language II	4.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00
SPAN 14	Hispanic Short Stories	3.00
SPAN 16	Hispanic Film	3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
CMST 6	Oral Interpretation	3.00
CMST 9	Intercultural Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
CMST 14	Argumentation and Debate	3.00

Total: 18.00

English as a Second Language

Noncredit Certificate of Competency in ESL (ESL) - Noncredit Certificate of Competency

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: NONCREDITESL

This is a certificate of competency in ESL.This sequence of non credit ESLcourses that takes students from survival skills to high intermediate language proficiency in preparation for their matriculation into credit-bearing ESL courses. This program provides students with the foundational language proficiency necessary for various career fields or to matriculate into general education courses. This 102 hour certificate program can be completed in two academic semesters and requires the successful completion of at least two courses in the ESL sequence, one of which must be ESL 313.

The Certificate of Completion in Vocational ESL is a two-course sequence, with the option of a third course, is made up of non credit VESL courses that prepare students for employment in a variety of fields. These courses directly impact student employment opportunities through frequent contact with local employers and employment agencies. The elective class provides supplemental instruction in career-specific vocabulary.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Communicate effectively in English.
2. Negotiate essential life exchanges and situations.
3. Establish personal, academic, and vocational goals.
4. Be prepared to pursue higher academic levels.

Required courses:		0.00
ESL 313	ESL Level 3	0.00
Complete one of the courses listed below:		0.00
ESL 310	Survival/Life Skills for ESL Students	0.00
ESL 311	ESL Level 1	0.00
ESL 312	ESL Level 2	0.00
ESL 340	Technology Skills for ESL Students	0.00

Total: 0.00

Noncredit Certificate of Completion in VESL (ESL) - Noncredit Certificate of Completion

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local, None
Program Code: NONCREDITVESL

This is a certificate of completion in Vocational ESL. This two-course sequence, with the option of a third course, is made up of noncredit VESL courses that prepare students for employment in a variety of fields. These courses directly impact student employment opportunities through frequent contact with local employers and employment agencies. The elective course provides supplemental instruction in career-specific vocabulary.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Communicate effectively in English.
2. Negotiate essential life exchanges and situations.
3. Establish personal, academic, and vocational goals.

Required courses:		0.00
ESL 352A	ESL Workforce Training Adult Education	0.00
ESL 352B	ESL Workforce Training Lab	0.00
Optional:		0.00
ESL 354	Training-Specific Vocational ESL	0.00

Total: 0.00

Environmental Horticulture

Agriculture Plant Science (EH) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 35061.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

During the next five years, U.S. college graduates will find good employment opportunities if they have expertise in food, agriculture, renewable natural resources, or the environment. An average of 35,400 new U.S. graduates with expertise in food, agriculture, renewable natural resources, or the environment are expected to fill 61% of the expected 57,900 average annual openings. Fewer graduates typically mean higher salaries, which start in the mid-$40k to $50k annually.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate basic experimental knowledge through data gathering and analysis to solve problems in the laboratory and in the field.
2. Practice safe work habits in an employment setting, including handling and storage of hazardous materials, equipment operation, and tool safety.
3. Demonstrate mastery of general plant science skills for technical employment in the plant science management industry (agronomy, pomology, viticulture or nursery).
4. Apply the principles of ecology, soil science, and plant science to crop management problems. Develop integrated pest management programs for specific crops.

Required courses:		22.00-24.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
Select one:		5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 1	General Chemistry I	5.00
Select one:		3.00
AB 22	Agricultural Economics	3.00
ECON 4	Principles of Microeconomics	3.00
List A: Select one		3.00-5.00
EH 70	Plant Propagation and Nursery Practices	3.00
AET 30	Tractors and Crawlers	3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
CHEM 21	Organic Chemistry I	5.00

Total: 22.00-24.00

Environmental Horticulture (EH) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 07258.00AS

The courses in environmental horticulture are designed to enable students to prepare for exciting careers in the essential and diverse horticulture profession or earn continuing education units (CEUs) for professional licenses. Career options include nursery and greenhouse management, retail garden centers, supply and equipment sales, commercial fruit and nut production, irrigation and landscape design, installation and maintenance, plant protection, interior landscaping, and ag education.

Students who complete this program can expect greater opportunities in salaries and enhances an individual's opportunity

to advance into supervisory positions. A two- or four-year degree is a job requirement in some businesses and government agencies.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate competencies in irrigation design and construction.
2. Identify turf species and their recommended management styles.
3. Explain the principles of greenhouse glazing choices.

Required courses:		40.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 26	Landscape Planning and Design	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 72	Landscape Business Management	3.00
EH 74	Irrigation System Design	3.00
EH 99	Work Experience-EH	2.00
Select one:		3.00
AGS 30	Ecology of Insect and Disease Management	3.00
EH 60	Principles of Integrated Pest Management	3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00
Select one:		3.00
EH 24	Spring Plant Identification	3.00
EH 23	Fall Plant Identification	3.00
Select one:		3.00
EH 38	Greenhouse Production	3.00
EH 70	Plant Propagation and Nursery Practices	3.00

Total: 40.00

Environmental Horticulture (EH) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 07258.00CA
See AS Degree in Environmental Horticulture.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate competencies in irrigation design and construction.
2. Identify turf species and their recommended management styles.
3. Explain the principles of greenhouse glazing choices.

Required courses:		30.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
AGS 20	Plant Science	3.00
EH 38	Greenhouse Production	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
EH 72	Landscape Business Management	3.00
EH 99	Work Experience-EH	2.00
Select one:		3.00
EH 24	Spring Plant Identification	3.00
EH 23	Fall Plant Identification	3.00

Total: 30.00

Landscape/Turfgrass Technician (EH) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01302.00CA

This certificate prepares students for employment in the California horticulture and landscape contracting industries by providing practical, hands-on experience and preparation for employable technical skill training in the field of professional residential landscape design, development, and maintenance. This program is designed to give students basic skills in irrigation design, repair, installation, water management, and small equipment operation.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify common warm and cool season turfgrass species and their uses along with substitutes for turfgrasses.
2. Formulate and implement a turfgrass management program for a wide variety of applications such as lawns, sports and golf course turfgrasses.

Required courses:		24.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 26	Landscape Planning and Design	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 72	Landscape Business Management	3.00
EH 74	Irrigation System Design	3.00
EH 22	Landscape Construction	3.00
Select one:		3.00
EH 24	Spring Plant Identification	3.00
EH 23	Fall Plant Identification	3.00

Total: 24.00

Nursery Technician (EH) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 07257.01CA

This Nursery Technician certificate provides students with the practical, hands-on experience they need to pursue employment in the areas of plant production, maintenance, or sales of ornamental and/or food crops in California. This program prepares students to advance to management positions in greenhouse and nursery businesses that propagate, grow and market plants for use in the home, business or the landscape. The program provides a solid foundation in plant knowledge and nursery and garden center environments, as well as computer applications and management skills.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Select and correctly use florist tools, equipment and materials.
2. Design and construct arrangements used in the floral industry today.
3. List and analyze the costs associated with any floral design along with the appropriate markup to determine sale price.
4. Identify energy usage for heating, cooling and lighting various greenhouses as a cost of doing business.
5. Describe the scheduling of crop cycles including propagation start up, days to maturity, target market, price points, fertilizer and pesticide needs.
6. Calculate square footage needed for various crops, as they move through the growing cycle, to understand cost inputs as compared to potential revenues generated.

Required courses:		18.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 38	Greenhouse Production	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
Select one:		3.00
EH 24	Spring Plant Identification	3.00
EH 23	Fall Plant Identification	3.00
Select one:		3.00
EH 26	Landscape Planning and Design	3.00
EH 60	Principles of Integrated Pest Management	3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00

Total: 18.00

Plant Protection (EH) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 31512.00CA

This certificate prepares candidates for the California State Agricultural Pest Control Adviser (PCA) License examinations and Qualified Applicator License exams. It meets the minimum educational qualifications, and prepares students for exams in IPM principles, laws and regulations, pest identification, physical and biological sciences, crop health, pest management systems and methods, and production systems. Technical experience is highly encouraged through work experience placement.

PCAs have a rewarding career and earn a competitive salary. They have several career avenues to choose from such as state agencies, corporations, sole proprietary companies, and academic professions. There has never been a better time to enter the crop protection industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Safely and accurately use all equipment and products relating to the plant protection industry.
2. Demonstrate the most current methods and procedures in calibration of agriculture equipment.
3. Apply necessary health and safety rules from the Environmental Protection Agency and the California Department of Pesticide Regulation (DPR).
4. Demonstrate appropriate communications skills.
5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits from state DPR laws and regulations.

Required courses:		42.00
EH 60	Principles of Integrated Pest Management	3.00
Physical, Biological Science and Natural Sciences (Select 12 units from the following):		12.00
AGS 20	Plant Science	3.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
BIOL 1	Introduction to Biology	4.00
BIOL 5	Ecology and Field Biology	4.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 15	Introduction to Microbiology	5.00
NR 28	Environmental Management	3.00
Crop Health (Select 9 units from the following):		9.00
AGS 30	Ecology of Insect and Disease Management	3.00
AGS 50	General Soils	4.00
AGS 51	Fertilizers and Plant Nutrition	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 74	Irrigation System Design	3.00
Pest Management (Select 3 units from the following):		3.00
AET 34	Farm Machinery	3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00
NR 55	Wildlife Management	3.00
Production Systems (Select 6 units from the following):		6.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 38	Greenhouse Production	3.00
EH 40	Wine Grape Cultivation	3.00
EH 41	Wine Growing Practices - Fall	3.00
EH 42	Wine Growing Practices - Spring	3.00
EH 66	Orchard Production and Management	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
EH 72	Landscape Business Management	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00
Select any 9 units from Crop Health, Pest Management and Production Systems not used above.		9.00

Total: 42.00

Fashion

Clothing Construction (FASH) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: CLOTHINGCONSTRUCT.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Select appropriate fabrics and notions suitable to specific garment designs.
2. Drape, draft or manipulate flat patterns to create accurate garment patterns.
3. Lay patterns correctly and economically onto markers or fabric.
4. Construct garments using various sewing techniques.
5. Fit garments on various body types and be able to make the proper adjustments.

Required courses:		12.00
FASH 9	Clothing Construction I	3.00
FASH 10	Clothing Construction II	3.00
FASH 40	Flat Pattern/Draping Design	3.00
DRAM 15	Costume Construction I	3.00

Total: 12.00

Fashion Design (FASH) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: FASHIONDESIGN.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.
3. Demonstrate the principles and practice of fashion design including design analysis; use of industry vocabulary; technical illustration; drafting of patterns; and effective communication of original design concepts.
4. Demonstrate technical skills including machine operation; taking measurements; basic alterations; pattern layout, cutting, and preparation; and use of fabrics, tools, and supplies.

Required courses:		15.00
Select 15 units from the following:		15.00
FASH 9	Clothing Construction I	3.00
FASH 10	Clothing Construction II	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 74	Historic Costume	3.00
FASH 90	Fashion Promotions	3.00
FASH 40	Flat Pattern/Draping Design	3.00
FASH 13	Fashion Drawing and Illustration	3.00

Total: 15.00

Fashion Merchandising (FASH) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01348.00AS

Courses in Fashion Merchandising give students the opportunity to discover the inner workings of the fashion industry with many hands-on experiences. Fashion Merchandising emphasizes the business of buying, distributing and selling of merchandise from the manufacturing level through to the retailer and, ultimately, the consumer. A highly-specialized program in Fashion Merchandising enables students to acquire marketable skills in a minimum time. A two-year program leading to the Associate Degree is available.

As long as fashion continues to change, lucrative careers will always be available for those who are prepared to expand their personal and professional horizons. The world of fashion merchandising is a challenging, fast-paced and highly competitive field with numerous opportunities for monetary and career advancement. Positions in the ever-expanding world of fashion are available in, but not limited to, these areas: Careers include Retail: Buyer, assistant buyer, department manager, fashion/bridal consultant, store manager, merchandise manager, salesperson, shop owner, sales representative, showroom associate, personal shopper, and management trainee. Fashion stylist, fashion coordinator, public relations, fashion commentator, special events director, and model. Fashion reporter, copy writer, fashion illustrator, fashion writer, fashion editor, publicity manager, and fashion researcher.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Analyze, describe, and apply concepts in the business of buying, distributing and selling of fashion merchandise from the manufacturing level through to the retailer and, ultimately, the consumer.
3. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.

Required courses:		39.00
BUS 20	Introduction to Business	3.00
BUS 50	Sales Strategies	3.00
BUS 66	Retail Management	3.00
BCIS 18	Introduction to Business Technology	3.00
ECON 25	Introduction to Economics	3.00
FASH 6	Introduction to Fibers, Fabric and Textiles	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 74	Historic Costume	3.00
FASH 80	Retail Fashion Buying	3.00
FASH 18	Visual Merchandising	3.00
FASH 90	Fashion Promotions	3.00
FASH 99	Work Experience-FASH	3.00
Select one:		3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 25	Introduction to Entrepreneurship	3.00

Total: 39.00

Fashion Merchandising (FASH) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01348.00CA
See AS Degree in Fashion Merchandising.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Analyze, describe, and apply concepts in the business of buying, distributing and selling of fashion merchandise from the manufacturing level through to the retailer and, ultimately, the consumer.
3. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.

Required courses:		22.00
FASH 6	Introduction to Fibers, Fabric and Textiles	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 80	Retail Fashion Buying	3.00
FASH 18	Visual Merchandising	3.00
FASH 74	Historic Costume	3.00
FASH 90	Fashion Promotions	3.00
BCIS 18	Introduction to Business Technology	3.00
FASH 99	Work Experience-FASH	1.00

Total: 22.00

Fire Science/Academy

BASIC 32 (FSC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: BASIC32.CC

Student will gain fundamental knowledge of the factors affecting wildland fire behavior, control prevention, and firefighter safety for entry-level employment with a federal agency wildland firefighting crew.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe wildland fire behavior.
2. Describe safety tactics to be utilized in fire control operations.
3. Develop a basic fire operations incident action plan and demonstrate skills of wildland fire suppression.

Require courses:		3.00
FSC 18	Basic Wildland Firefighting	3.00

Total: 3.00

Fire Technology (FSC) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01362.00AS

The Fire Technology program is designed to give students the knowledge to pursue a career in fire science. Students will gain a broad working knowledge of building inspection and the many aspects of municipal and wildland firefighting. The AS should be considered a step toward a higher degree or specialized instruction. Students who complete the two-year A.S. degree will be able to seek employment in many different areas including careers in firefighting, building inspection and fire prevention.

Students interested in a fire science career have two options: the 20-week Firefighter I Academy or the two-year AS degree program.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
2. 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 firefighter health and safety.

Required courses:		27.00
FSC 2	Introduction to Fire Science	3.00
FSC 4	Fundamentals of Fire Behavior and Combustion	3.00
FSC 10	Building Construction for Fire Protection	3.00
FSC 12	Fundamentals of Fire Prevention	3.00
FSC 14	Fire Protection Equipment and Systems	3.00
POS 2	United States Government	3.00

Electives - Select 9 units from the following:		9.00
FSC 6	Fire Tactics and Strategy	3.00
FSC 8	Principles of Fire Safety	3.00
FSC 16	Fire Company Organization and Management	3.00
FSC 18	Basic Wildland Firefighting	3.00

Total: 27.00

Fire Technology (FSC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01362.00CA
See AS Degree in Fire Technology.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
2. 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 firefighter health and safety.

Required courses:		27.00-28.00
FSC 2	Introduction to Fire Science	3.00
FSC 4	Fundamentals of Fire Behavior and Combustion	3.00
FSC 12	Fundamentals of Fire Prevention	3.00
FSC 8	Principles of Fire Safety	3.00
FSC 10	Building Construction for Fire Protection	3.00
FSC 14	Fire Protection Equipment and Systems	3.00
POS 2	United States Government	3.00
KIN Requirement - General Fitness Family		3.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00

Total: 27.00-28.00

Firefighter I Academy (FSC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 32841.00CA

The Firefighter I Academy is a special admission academy that is offered twice each year (Fall and Spring) as a 20 week program, 8 hours daily. Accredited by the California State Fire Marshal (CSFM) and the State Board of Fire Services as an Accredited Regional Fire Academy, the Butte College Firefighter I Academy is considered to be one of the premier fire academies in the country. Our Academy graduates have secured fire service positions in agencies from coast to coast. The majority of fire agencies in California require both a CSFM Firefighter I certificate and an EMT-Basic certificate to qualify for a position as a firefighter. The Butte College Firefighter I Academy far exceeds these requirements. Physical conditioning is an important concern in the fire service. During the Academy, cadets receive more than 100 hours of combined physical fitness and agility course training by certified physical fitness instructors, Graduates will not only be in good physical condition, but will also be prepared for the difficult, varied and competitive fire service physical agility entry-level testing. For more detailed information or to apply to the Butte College Firefighter I Academy, please visit our website at: http://www.butte.edu/departments/careertech/publicsafety/fire_academy.html.

The Firefighter I Academy prepares students for successful completion of the Firefighter I Certificate issued by the California Office of State Fire Marshal and to enter into the workforce as entry level firefighters.

Students should be in good physical condition. Academy applicants are required to pass reading and writing tests. A basic understanding of chemistry and competence in mathematics is desirable. Students who are still enrolled in high school and considering a career in fire science are encouraged to take classes in reading, writing, mathematics and chemistry.

Admission to the Program
Completion of all prerequisite courses (prerequisites may be in progress at the time of application but must be completed prior to the start of the academy).

Prerequisites:

1. Cardiopulmonary Resuscitation Card, (CPR).

2. Attend (1) mandatory Orientation.

3. Beginning Fall 2020 students will be required to have completed EMS-110 or equivalent.

Students are admitted by application only. Contact the Public Safety Education Center (AHPS 144) or visit http://www.butte.edu/careers/publicsafety for application dates and materials. Admission to the program is based on academic and general requirements. The program will accept the first 50 applicants who complete all the required steps.

Requirements for Application and Admission: Age 17 years or older with a 12th grade education or equivalent.

A cumulative GPA of 2.6.

Current Basic Life Support CPR card equivalent to the current American Heart Association's guidelines (no online CPR).

Completion of all application forms including: Personal History Statement, Health History Statement, Immunization Record, and Physical Examination.

Fingerprinting through the California Department of Justice is required. Applicants' conviction and incarceration history must be reviewed and evaluated for clinical eligibility, based on state standards

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the components of a personal fitness program and develop a personal fitness program that will allow them to pass a standard fire fighter employment physical ability examination.
2. Successfully perform tasks which combine manipulative and technical competency required for California Firefighter I certification.
3. Successfully perform tasks which combine manipulative and technical competency required for national certification for an Emergency Medical Technician (EMT).
4. Certificates in other related career enhancement fields to strengthen the marketability of the student for a career into the fire service.

Required courses:		28.50
EDUC 10	Critical Skills for College Success	0.50
FSC 105	Fire Academy Physical Training	2.50
FSC 106	Firefighter I Academy	25.50

Total: 28.50

Incident Command-Finance (FSC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: INCICOMMFINANCE.CC

The Certificate in Incident Command-Finance will prepare the student foundationally to assume basic command of an incident and supervision of public safety personnel in general. Completion of the Finance classes will specifically prepare the student to handle any public safety incident purchasing and to assume roles in the Finance Section of an ICS organization as Cost Unit Leader, Compensation/Claims Unit Leader, Time Unit Leader and Procurement Unit Leader. Completion of this certificate will also help in preparing the student for advancement to Finance Section Chief in the ICS.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Supervise personnel and command an incident, or component thereof, as part of an ICS organization.
2. Assume roles in the Finance Section of an ICS organization as Cost Unit Leader, Compensation/Claims Unit Leader, Time Unit Leader and Procurement Unit Leader.
3. Complete all aspects of basic purchasing in conjunction with any incident handled by public safety.

Required courses:		14.25
FSC 100	I-300 Intermediate Incident Command System	1.00
FSC 101	I-400 Advanced Incident Command System	1.00
FSC 102	Incident Management 2	1.50
FSC 103	Progressive Discipline	0.25
FSC 104	Supervision 2	2.00
FSC 117	C-362 Cost Unit Leader	1.50
FSC 118	C-363 Compensation/Claims Unit Leader	2.00
FSC 119	C-365 Time Unit Leader	2.00
FSC 120	C-368 Procurement Unit Leader	2.00
FSC 121	Basic Purchasing	1.00

Total: 14.25

Incident Command-Logistics (FSC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)

GE Pattern(s): None

Program Code: INCIDCOMMLOGIST.CC

The Certificate in Incident Command - Logistics will prepare the student foundationally to assume basic command of an incident and supervision of public safety personnel in general. Completion of the Logistics classes will specifically prepare the student to assume roles in the Logistics Section of an ICS organization as Facilities Unit Leader, Ground Support Unit Leader, Supply Unit Leader and Medical Unit Leader. Completion of this certificate will also help in preparing the student for advancement to Logistics Section Chief in the ICS.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Supervise personnel and command an incident, or component thereof, as part of an ICS organization.
2. Assume roles in the Logistics Section of an ICS organization as Facilities Unit Leader, Ground Support Unit Leader, Supply Unit Leader and Medical Unit Leader.

Required courses:		12.25
FSC 100	I-300 Intermediate Incident Command System	1.00
FSC 101	I-400 Advanced Incident Command System	1.00
FSC 102	Incident Management 2	1.50
FSC 103	Progressive Discipline	0.25
FSC 104	Supervision 2	2.00
FSC 122	S-354 Facilities Unit Leader	2.00
FSC 123	S-355 Ground Support Unit Leader	2.00
FSC 124	S-356 Supply Unit Leader	1.50
FSC 127	S-359 Medical Unit Leader	1.00

Total: 12.25

Incident Command-Operations (FSC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: IINCIDCOMMOPER.CC
The Certificate in Incident Command - Operations will prepare the student foundationally to assume basic command of an incident and to supervise public safety personnel in general. Completion the will prepare student assume high level of responsibility in assisting with incident management, to assume roles in the Operations Section an ICS organization Force/Strike Leader Division/Group to perform advanced wildland fire behavior calculations for use in fire incident management. Completion of this certificate will also help in preparing the student for advancement to Operations Section Chief in the ICS.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Supervise personnel and command an incident, or component thereof, as part of an ICS organization.
2. Upon completion of this certificate, students will be able to assume a high level of responsibility in assisting with incident management, able to assume roles in the Operations Section of an ICS organization as Task Force/Strike Team Leader or Division/Group Supervisor, and will be able to perform advanced wildland fire behavior calculations for use in fire incident management.

Required courses:		12.75
FSC 100	I-300 Intermediate Incident Command System	1.00
FSC 101	I-400 Advanced Incident Command System	1.00
FSC 102	Incident Management 2	1.50
FSC 103	Progressive Discipline	0.25
FSC 104	Supervision 2	2.00
FSC 128	S-330 Task Force/Strike Team Leader	2.00
FSC 129	S-339 Division/Group Supervisor	1.00
FSC 132	Incident Management 3	2.00
FSC 133	S-390 Introduction to Wildland Fire Behavior Calculations	2.00

Total: 12.75

Incident Command-Planning (FSC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: INCIDCOMMPLAN.CC
The Certificate in Incident Command - Planning will prepare the student foundationally to assume basic command of an incident and to supervise public safety personnel in general. Completion of the Planning classes will specifically prepare the student to handle any public safety incident purchasing and to assume roles in the Planning Section of an ICS organization as Documentation Unit Leader, Field Observer/Display Processor, Situation Unit Leader and Demobilization/Resource Unit Leader. Completion of this certificate will also help in preparing the student for advancement to Planning Section Chief in the ICS.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Supervise public safety personnel and command of an incident, or component thereof, as part of an ICS organization.
2. Serve in the Planning Section of an ICS organization as Documentation Unit Leader, Field Observer/Display Processor, Situation Unit Leader and Demobilization/ Resource Unit Leader.

Required courses:		12.25
FSC 100	I-300 Intermediate Incident Command System	1.00
FSC 101	I-400 Advanced Incident Command System	1.00
FSC 102	Incident Management 2	1.50
FSC 103	Progressive Discipline	0.25
FSC 104	Supervision 2	2.00
FSC 134	S-342 Documentation Unit Leader	1.00
FSC 135	S-244/245 Field Observer/Display Processor	2.00
FSC 136	S-346 Situation Unit Leader	1.50
FSC 137	S-347/349 Demobilization/Resource Unit Leader	2.00

Total: 12.25

Food & Nutrition

Nutrition and Dietetics (FN) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 35132.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Students who transfer to a four-year university and pursue a career in Nutrition and Dietetics have a wide variety of career options including health-care facilities, foodservice operations, nutrition-related business and industries, government agencies, community/public health programs, sports nutrition and corporate wellness programs, research areas and private practice. Many employment settings, particularly those in medical and health-care settings, require a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN) credential.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the role of nutrition as it relates to optimal health and disease prevention.
2. Critically evaluate nutrition information and differentiate between credible and non-credible sources of information.
3. Use the concepts developed by chemistry and biology to explain how the nutrients and compounds found in foods affect body functions and health.
4. Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.

Required courses:		27.00-29.00
FN 2	Nutrition	3.00
PSY 1	Principles of Psychology	3.00
CHEM 1	General Chemistry I	5.00
BIOL 15	Introduction to Microbiology	5.00
List A: Select two		8.00-10.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List B: Select one		3.00
FN 10	Food Safety and Sanitation	3.00

Total: 27.00-29.00

Nutrition and Food Science (FN) - AS Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 11139.02AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

The Associate Degree in Nutrition and Food Sciences provides opportunities for students to acquire the foundational knowledge related to the scientific principles deeply rooted in the field of Nutrition, Dietetics, and Food Science including chemistry, biology and math. Students who plan to transfer to a California State University (CSU) and pursue the General Dietetics option will also acquire knowledge related to the principles of psychology. Students who plan to transfer to a CSU and pursue the Food Administration option will acquire accounting and business-related knowledge.

After completing the program students may be able to obtain an entry-level position, especially foodservice-related occupations. Students who transfer to a four-year university and pursue a career in Nutrition and Food Sciences have a wide variety of career options including health-care facilities, foodservice operations, nutrition-related business and industries, government agencies, community/public health programs, sports nutrition and corporate wellness programs, research areas and private practice. Many employment settings, particularly those in medical and health-care settings, require a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN) credential.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify core concepts of natural and physical sciences, including Microbiology, Human Physiology, Chemistry and Statistics.
2. Apply academic skills needed for success in Nutrition and Food Sciences after transfer.
3. Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.
4. General Dietetics Option: Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in Psychology.
5. Nutrition Management Option: Identify and apply core concepts of Financial Accounting.
6. Food and Nutrition Communication Option: Demonstrate interpersonal and/or intercultural communication concepts and principles.

Required courses:		29.00-30.00
Require Core: Students must complete core courses plus one CSU, Chico option		26.00
BIOL 15	Introduction to Microbiology	5.00
BIOL 21	Human Physiology	4.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
FN 10	Food Safety and Sanitation	3.00
FN 15	Introduction to Nutrition, Dietetics and Food Science	1.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Select one CSU, Chico option:		3.00-4.00
General Dietetics Option at CSU, Chico		3.00
PSY 1	Principles of Psychology	3.00
OR		
Nutrition Management Option at CSU, Chico		4.00
ACCT 2	Financial Accounting	4.00
OR		
Food and Nutrition Communication Option at CSU, Chico		3.00
Select one:		3.00
CMST 9	Intercultural Communication	3.00
CMST 10	Interpersonal Communication	3.00

Total: 29.00-30.00

Geography

Geography (GEOG) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31952.00AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the Academic Programs section for details.

The discipline of Geography studies the spatial relationships that make every place on earth unique. This includes both the physical characteristics and cultural traditions, along with the economic and governmental structures that make each place distinct. Geographers synthesize these concepts by studying the relationship between humans and their environment, the effects the environment has on humans, and the effects humans have on the environment. The Associate in Arts in Geography for Transfer Degree supplies students with foundational knowledge in Physical Geography and Cultural Geography, plus additional coursework within the discipline, including a certificate in Geographic Information Systems (GIS).

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify fundamental concepts specific to physical and cultural Geography.

2. Identify conceptual and theoretical models pertaining to world, regional, and local Geography.
3. Apply applications associated with various thematic maps as well as use of geographical computer modeling.

Required courses:		19.00
Required Core		7.00
GEOG 2	Physical Geography	3.00
GEOG 3	Physical Geography Lab	1.00
GEOG 4	Cultural Geography	3.00
List A: Select two		6.00
GEOG 8	World Regional Geography	3.00
GEOG 10	Geography of California	3.00
GEOG 20	Introduction to Geographic Information Systems	3.00
List B: Select two (any course from List A not already used)		6.00
ANTH 4	Cultural Anthropology	3.00
GEOG 21	GIS Data Capture	3.00
GEOG 22	Remote Sensing and Spatial Analysis	3.00

Total: 19.00

Geographic Information Systems (GEOG) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: GIS.CC

The discipline of Geography studies the spatial relationships that make every place on earth unique. This includes both the physical characteristics and cultural traditions, along with the economic and governmental structures that make each place distinct. Geographic Information Systems (GIS) and geospatial technology are among the fastest growing fields according to the US Department of Labor. A certificate in GIS provides the student with the proficiency necessary to apply spatial thinking to analyze social and physical sciences information, helping to build better and more sustainable connections between humans and the environment.

GIS careers can be standalone and are also found in nearly every field of discipline, from law enforcement to health care and from environmental sciences to business and marketing. Having a working knowledge of GIS, whether a single course or a certificate, will make your resume stand out from the competition. GIS coursework develops critical skills such as organizational and communicational competency, identification and solving of problems, analysis and interpretation, and a high level of computer expertise. A GIS certificate provides a catalyst for a wide range of fields, including business and marketing, local and regional planning, environmental sciences, law enforcement, conservation, and all levels of government. For further information, visit the US Bureau of Labor Statistics Occupational Outlook Handbook - Cartographers and Photogrammetrists at https://www.bls.gov/ooh/architecture-and-engineering/cartographers-and-photogrammetrists.htm or, the American Association of Geographers at http://www.aag.org/careers.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Create GIS datasets for use in maps, tables, and graphs.
2. Create, edit, and manipulate data, stored in proper format and with appropriate metadata.
3. Perform applicable and relevant analyses of GIS datasets.
4. Produce professional presentation of GIS results and provide results over a wide range of platforms.
5. Properly prepare students for ESRI Desktop GIS Certification exam.

Required courses:		10.00
GEOG 20	Introduction to Geographic Information Systems	3.00
GEOG 21	GIS Data Capture	3.00
GEOG 22	Remote Sensing and Spatial Analysis	3.00
GEOG 100	Review for ESRI Certification	1.00

Total: 10.00

Geology

Geology (GEOL) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 32721.00AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and interpret common rocks, minerals, fossils and geologic structures.
2. Explain the physical and biological changes that have occurred on earth throughout geologic time using modern theories such as plate tectonics and evolution.
3. Demonstrate an understanding of the geologic time scale and determine the age of rocks using both relative and absolute dating methods.
4. Synthesize information from plate tectonics theory and other science disciplines to solve geologic problems and explain geologic phenomena such as mountain building, patterns of igneous activity and seismicity.
5. Read and interpret topographic and geologic maps in order to answer geologic questions.
6. Demonstrate the analytical and critical thinking skills needed to succeed in a four-year geology program.

Required courses:		27.00
GEOL 32	Physical Geology with Lab	4.00
GEOL 34	Historical Geology with Lab	4.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00

Total: 27.00

Health Information Management

Medical Coding (HIM) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 35746.00CA

The Certificate of Achievement in Medical Coding is for students for who want to pursue a career as medical coders and/or billers. The medical coder and biller is responsible for reviewing patient health records, assigning appropriate codes to diagnoses and procedures performed by the healthcare provider, and submitting claims for reimbursement and collecting payments.

The Bureau of Labor Statistics is predicting that the medical coder and biller fields are growing due to an aging population requiring more medical services.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Explain the role and the responsibilities that the medical coder has in the health information management field.
2. Describe the healthcare industry as it relates to health information management.
3. Demonstrate a working knowledge of medical terminology as it relates to medical coding.
4. Analyze healthcare legal and ethical issues in the context of the HIPAA guidelines.
5. Identify the content and structure of the health record, explain the importance of documentation on code assignment, and describe the impact on the reimbursement.
6. Interpret coding guidelines and accurately apply diagnosis and procedure codes utilizing ICD-10-CM, ICD-10-PCS, CPT, and HCPC.

Required courses:		28.00
ALH 104	Medical Terminology	3.00
BIOL 10	Survey of Human Systems	4.00
BCIS 18	Introduction to Business Technology	3.00
HIM 56	Introduction to Health Information Management	2.00
HIM 62	Introduction to Medical Coding	3.00
HIM 58	Healthcare Law and Ethics	2.00
HIM 63	Reimbursement	3.00
HIM 64	Advanced Medical Coding	3.00
HIM 76	Electronic Health Records	3.00
BCIS 99	Work Experience-BCIS	2.00

Total: 28.00

Heating, Ventilation, and Air Conditioning

Commercial HVACR (HVAC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37940.00CA

The Certificate of Achievement in Commercial HVACR program will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		33.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship With Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship With Local Trade Company	8.00

Total: 33.00

HVACR (HVAC) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 37852.00CA

The Associate of Science Degree in HVACR will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.

6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		60.00
ITEC 55	Introduction to Industrial Trades	3.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship With Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship With Local Trade Company	8.00

Total: 60.00

HVACR (HVAC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37852.00CA

The Certificate of Achievement in HVACR will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills

Required courses:		60.00
ITEC 55	Introduction to Industrial Trades	3.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship With Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship With Local Trade Company	8.00

Total: 60.00

HVACR Level I (HVAC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: HVACRLEVELI.CC

This certificate in HVACR Level I covers the basic principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed. Basic

safety principles, as well as trade licensure and EPA guidelines, are also introduced

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Explain the basic principles of conditioning air on a large scale for facilities.

Required courses:		15.00
ITEC 55	Introduction to Industrial Trades	3.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00

Total: 15.00

HVACR Level II (HVAC) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: HVACRLEVELII.CC

This certificate in HVACR Level II covers Commercial Airside Systems, Chimneys, Vents, and Flues, Introduction to Hydronic Systems, Air Quality Equipment, Leak Detection, Evacuation, Recovery, and Charging, Alternating Current, Basic Electronics, Introduction to Control Circuit Troubleshooting, Troubleshooting Gas Heating, Troubleshooting Cooling, Heat Pumps, Basic Installation and Maintenance Practices, Sheet Metal Duct Systems, and Fiberglass and Flexible Duct Systems

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Manage and maintain the mechanical and electrical systems used in HVACR equipment.

Required courses:		12.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00

Total: 12.00

Residential HVACR (HVAC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37943.00CA

The Certificate of Achievement in Residential HVACR will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR.The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) systems.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

ITEC 55	Introduction to Industrial Trades	3.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00

Total: 27.00

HVACR Level III (HVAC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 39883.00CA

The Certificate of Achievement in HVACR Level III overs key concepts: Fasteners, Hardware and Wiring Terminations, Control Circuit and Motor Troubleshooting, Troubleshooting Cooling, Troubleshooting Heat Pumps, Troubleshooting Gas Heating, Troubleshooting Oil Heating, Troubleshooting Accessories, Zoning, Ductless, and Variable Refrigerant Flow Systems, Commercial Hydronic Systems, Steam Systems, Retail Refrigeration Systems, and Customer Relations. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Perform Manual J load calculations and Air Distribution design and installation best practices.
4. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		16.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship With Local Trade Company	7.00

Total: 16.00

HVACR Level IV (HVAC) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 39885.00CA
The Certificate of Achievement in HVACR Level IV covers key concepts: Water Treatment, Indoor Air Quality, Energy Conservation Equipment, Building Management Systems, System Air Balancing, Construction Drawings and Specifications, Heating and Cooling System Design, Commercial and Industrial Refrigeration Systems, Alternative and Specialized Heating and Cooling Systems, and Fundamentals of Crew Leadership. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.The Certificate of Achievement in HVACR Level IV covers key concepts: Water Treatment, Indoor Air Quality, Energy Conservation Equipment, Building Management Systems, System Air Balancing, Construction Drawings and Specifications, Heating and Cooling System Design, Commercial and Industrial Refrigeration Systems, Alternative and Specialized Heating and Cooling Systems, and Fundamentals of Crew Leadership. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
4. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		17.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship With Local Trade Company	8.00

Total: 17.00

History

History (HIST) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31000.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

History is the study of how the society we live in came to be. Through contemplation and analysis of historical materials, historians interpret the past and construct collective memory. The Associate Degree for Transfer in History supplies students with foundational knowledge in United States and World History, as well as with an introduction to the historical inquiry process. The degree offers three of five courses required in the CSU, Chico major core program, in addition to courses approved for CSU General Education.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify major developments in the history of the United States and of the world, and to examine the past from diverse perspectives.
2. Apply historical reasoning to the study of the past and to think in terms of causation, context, chronology, and change and continuity.
3. Utilize historical method through posing questions and conducting research, analyzing evidence, and articulating defensible conclusions.

Required courses:		18.00
Required Core:		6.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
List A: Select two		6.00
HIST 3	World History to 1500	3.00
HIST 5	World History Since 1500	3.00
List B: Select One course from each group		6.00
Group 1		9.00
HIST 20	Political History of the Middle East	3.00
HIST 30	History of the African American	3.00
ANTH 33	Ancient Mesoamerica	3.00
Group 2 or any course from Group 1 not already used		9.00
HIST 18	Multicultural History of the United States	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 18.00

Honors

Honors (HON) - Certificate of Achievement

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: 31238.00CA

The Honors Program offers an enriched academic experience for those students who have demonstrated intellectual potential and personal commitment. As a result, successful Honors students are better prepared to continue their studies and bring their academic talents and abilities to the attention of prospective employers.

Although Honors courses meet General Education requirements for transfer to the California State University and University of California systems, this program is not designed only for purposes of transfer, but also to deepen participants educational experience and aid and inspire students in their other coursework at Butte College. Classes require students to analyze primary original works in the area discipline, write a minimum of 5,000 words in analytical papers and reading responses, and participate in seminar-type discussions Additionally, classes emphasize critical and independent thinking and original responses to the course material.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and synthesize significant global ideas and primary original works.
2. Demonstrate critical thinking skills in seminar-type discussions.
3. Demonstrate advanced writing skills and critical, creative thinking in composing a minimum of 5,000 words in analytical papers and reading responses.
4. Generate creative, original responses to course material.

Required courses:		16.00
Select 16 units from the following (HON 11 required):		16.00
ANTH 2H	Honors Physical Anthropology	3.00
ANTH 4H	Honors Cultural Anthropology	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00
BIOL 9H	Honors Current Issues in Biology	3.00
CMST 2H	Honors Public Speaking	3.00
ECON 20H	Honors Economic History of the U.S.	3.00
ENGL 52H	Honors Great Works of Literature	3.00
ENGL 53H	Honors World Literature	3.00
HON 11	Honors Capstone	1.00
PSC 30H	Honors Introductory Astronomy	4.00
PSY 1H	Honors Principles of Psychology	3.00
SOC 30H	Honors Sociology of Inequality	3.00

Total: 16.00

Journalism

Journalism (JOUR) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 33199.02AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Write simple and complex/long form news articles using the inverted pyramid and other formats
2. Build a portfolio of completed projects for student media that demonstrates a range of storytelling formats/styles and effective design/layout.
3. Demonstrate leadership and management skills as an editor.

Required courses:		18.00-19.00
Required Core:		9.00
RTVF 12	Mass Media and Society	3.00
JOUR 2	Introduction to Reporting and Newswriting	3.00
JOUR 10	Beginning Newspaper Production	3.00
List A: Select one		3.00
JOUR 12	Intermediate Newspaper Production	3.00
List B: Select two		6.00-7.00
CMST 14	Argumentation and Debate	3.00
ENGL 11	Communication and Critical Thinking	3.00
PHO 2	Introduction to Photography	3.00
POS 2	United States Government	3.00
POS 3	Comparative Politics	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
Select one:		3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 18.00-19.00

Kinesiology

Kinesiology (KIN) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 32446.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

With the completion of the AA-T in Kinesiology, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Kinesiology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Describe physical activity as it relates to physiological responses and adaptations to exercise.
3. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
4. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
5. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		21.50-25.50
Required core:		11.00
KIN 1	Introduction to Kinesiology	3.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Movement-based Courses (minimum 4.5 units): Select a maximum of one (1) course from any three (3) of the following areas.		4.50
Combative		6.00
KIN 73	Self Defense	1.50
KIN 75	Jujitsu	1.50
KIN 76	Aikido	1.50
KIN 78	Taekwondo	1.50
Dance		4.50
KIN 38	Ballroom Dance I	1.50
KIN 39	Ballroom Dance II	1.50
KIN 35	Aerobic Dance	1.50
Fitness		10.50
KIN 53	Jogging/Running for Fitness	1.50
KIN 27	Core Crossfit Training	1.50
KIN 42	Yoga I	1.50
KIN 43	Yoga II	1.50
KIN 46	Tai Chi Chuan	1.50
KIN 23	Weight Training I	1.50
KIN 24	Weight Training II	1.50
Individual Sports		4.50
KIN 60	Bowling	1.50
KIN 61	Golf	1.50
KIN 62	Tennis	1.50
Team Sports		10.50
KIN 65	Soccer	1.50
KIN 66	Softball	1.50
KIN 67	Non-Contact Football	1.50
KIN 68	Volleyball I	1.50
KIN 69	Volleyball II	1.50
KIN 70	Basketball I	1.50
KIN 71	Basketball II	1.50
List A: Select Two		6.00-10.00
BIOL 2	Introduction to Human Biology	3.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
PHYS 21	College Physics I	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
KIN 11	First Aid and CPR	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 21.50-25.50

Kinesiology (KIN) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local, CSU, IGETC
Program Code: 01320.02AA

This program meets the lower division major preparation for a similar major at CSU, Chico and other CSU Campuses. Visit website for details www.assist.org for specific campus requirements,

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Assess his or her own physical activity level as it relates to lifelong fitness.
3. Describe physical activity as it relates to physiological responses and adaptations to exercise.
4. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
5. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
6. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		10.00-11.00
Required Core Group: (Complete One Required Core Group)		11.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
KIN 1	Introduction to Kinesiology	3.00
OR		
Required Core Group: (Complete One Required Core Group)		10.00
BIOL 20	Human Anatomy	4.00
KIN 1	Introduction to Kinesiology	3.00
KIN 11	First Aid and CPR	3.00

Take 10 units from at least 3 groups:		10.00
Individual		9.00
KIN 57	Archery	1.50
KIN 58	Badminton	1.50
KIN 60	Bowling	1.50
KIN 61	Golf	1.50
KIN 62	Tennis	1.50
KIN 63	Track and Field	1.50
Team Sports		12.00
KIN 64	Baseball	1.50
KIN 65	Soccer	1.50
KIN 66	Softball	1.50
KIN 67	Non-Contact Football	1.50
KIN 68	Volleyball I	1.50
KIN 69	Volleyball II	1.50
KIN 70	Basketball I	1.50
KIN 71	Basketball II	1.50
Dance		7.50
KIN 35	Aerobic Dance	1.50
KIN 38	Ballroom Dance I	1.50
KIN 39	Ballroom Dance II	1.50
KIN 40	Jazz Dance I	1.50
KIN 44	Jazz Dance II	1.50
Self Defense		9.00
KIN 73	Self Defense	1.50
KIN 74	Boxing	1.50
KIN 75	Jujitsu	1.50
KIN 76	Aikido	1.50
KIN 77	Karate	1.50
KIN 78	Taekwondo	1.50
Weight Training		15.00
KIN 23	Weight Training I	1.50
KIN 24	Weight Training II	1.50
KIN 25	Olympic Weightlifting	1.50
KIN 27	Core Crossfit Training	1.50
KIN 28	Plyometric Training	1.50
KIN 29	Body Sculpting	1.50
KIN 34	Step Aerobics	1.50
KIN 42	Yoga I	1.50
KIN 43	Yoga II	1.50
KIN 45	Pilates	1.50

Total: 20.00-21.00

Physical Education: Exercise Physiology (KIN) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local, CSU, IGETC
Program Code: 11126.01AA

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Describe physical activity as it relates to physiological responses and adaptations to exercise.
3. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs
4. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
5. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		31.00-33.50

BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
KIN 1	Introduction to Kinesiology	3.00
MATH 18	Introduction to Statistics	4.00
PHYS 21	College Physics I	4.00
Select 2 courses from:		9.00-10.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
OR		
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
Complete 2-3 KIN Activity courses excluding KIN 51 (3-4.5 units)		3.00-4.50

Total: 31.00-33.50

Manufacturing

Advanced Manufacturing (MFG) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 38056.00AS

The Associate of Science Degree in Advanced Manufacturing program will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3/5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Admission to the Program
The prerequisite to the program is completion of ITEC 55

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		62.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship W/ Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship W/ Local Trade Company	4.00

Total: 62.00

Advanced Manufacturing (MFG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37939.00CA

The Certificate of Achievement in Advanced Manufacturing will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3/5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Admission to the Program
The prerequisite to the program is completion of ITEC 55

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.
8. Practice safety skills required on job sites.

Required courses:		62.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship W/ Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship W/ Local Trade Company	4.00

Total: 62.00

Advanced Manufacturing Level III (MFG) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ADVMFGLEVELIII.CC

This certificate in Advanced Manufacturing Level III covers the introduction and principles of ERP software for manufacturing, introduction to robotic welding, 3D modeling to production, and an internship with local trade company. Safety principles are always practiced, as well as trade licensure preparation and manufacturing guidelines used in the industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
4. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.

Required courses:		14.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship W/ Local Trade Company	4.00

Total: 14.00

Advanced Manufacturing Level IV (MFG) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ADVMFGLEVELIV.CC

This certificate in Advanced Manufacturing Level IV covers the advanced principles of ERP software for manufacturing, robotic welding, 3D modeling to production, and an internship with local trade company. Safety principles are always practiced, as well as testing for trade licensure and manufacturing guidelines used in the industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
4. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques

Required courses:		14.00
MFG 40	Advanced ERP (Enterprise resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship W/ Local Trade Company	4.00

Total: 14.00

Manufacturing Operations (MFG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37945.00CA

The Certificate of Achievement in Manufacturing Operations will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3.5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Admission to the Program
The prerequisite to the program is completion of ITEC 55

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		34.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00

Total: 34.00

Production Management (MFG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 37942.00CA

The Certificate of Achievement in Production Management will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3/5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Admission to the Program
The prerequisite to the program is completion of ITEC 55

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		28.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship W/ Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship W/ Local Trade Company	4.00
		Total: 28.00

Advanced Manufacturing Level I (MFG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 39882.00CA

The Certificate of Achievement in Advanced Manufacturing Level I covers the basic principles of the introduction to manufacturing equipment, production welding, finishing, and modeling to production. Basic safety principles, as well as the introduction to trade licensure and manufacturing guidelines used in the industry. It will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3/5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.

3. Explain the basic principles of feed and speed settings on various manufacturing platforms.

Required courses:		17.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00

Total: 17.00

Advanced Manufacturing Level II (MFG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 39884.00CA

The Certificate of Achievement in Advanced Manufacturing Level II covers the principles, setup and operations of manufacturing equipment, production welding, finishing, and modeling to production. Basic safety principles, as well as trade licensure preparation and manufacturing guidelines used in the industry. It will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

Career Opportunities
For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3/5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Use various software tools used in CNC manufacturing equipment and product design.
4. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.

Required courses:		17.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00

Total: 17.00

Mathematics

Mathematics (MATH) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31953.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

The degree is designed to prepare students for upper division study in Mathematics and related disciplines. The role of Mathematics is vital and growing, providing solutions to problems in a wide range of fields. Mathematics is a study in its own right. It is also an essential tool for expressing and understanding ideas in the sciences: social, biological, physical, behavioral, and management. As a result, employment opportunities for Math Majors have been expanding in recent years. To begin this degree students must either have completed the prerequisites for Math 30 (Calculus 1) which include Trigonometry and College Algebra, or receive a qualifying placement on the CAP tool.

Mathematics graduates at the bachelor's level are qualified to pursue a career in fields such as mathematics, engineering, statistics, operations research, actuarial science, business management, law enforcement, military science, government, and

education. They also frequently enter graduate programs to pursue advanced degrees in Mathematics or related majors.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
2. Apply methods of matrix transformations to solve both practical and theoretical problems.
3. Determine whether a theorem or definition applies in a given situation and use it appropriately.
4. Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses:		19.00-21.00
Required core:		13.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
Choose a minimum of 6 units from the Lists below with at least 3 units from List A.		6.00-8.00
List A: Select one to two		3.00-4.00
MATH 40	Differential Equations	4.00
MATH 42	Linear Algebra	3.00
List B: Select one		3.00-4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
CSCI 20	Programming and Algorithms I	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 19.00-21.00

Mathematics (MATH) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01355.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
2. Apply methods of matrix transformations to solve both practical and theoretical problems.
3. Determine whether a theorem or definition applies in a given situation and use it appropriately.
4. Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses:		23.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
MATH 42	Linear Algebra	3.00
CSCI 20	Programming and Algorithms I	3.00

Total: 23.00

Multicultural and Gender Studies

Multicultural and Gender Studies (MCGS) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): CSU
Program Code: 36259.00AA

The degree in Multicultural and Gender Studies is an interdisciplinary approach to cultural analysis within and across cultural groups in the United States, with emphasis on the role of class, race, and gender in shaping cultural identities.

This program emphasizes critical thinking, collaborative learning, activism, and advocacy, skills which can be applied to a host of careers. There is a growing demand in fields such as management, health and community services, public

administration, government services, insurance, sales and personnel firms for individuals with educational backgrounds in diversity studies. Similarly, there are increasing opportunities for work in industry, higher education, nonprofit and public policy. The AA degree in Multicultural and Gender Studies is an excellent major for any student.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the major concepts, perspectives, research methods, and historic trends in Multicultural and Gender Studies (MCGS).
2. Evaluate and differentiate the experiences of diversities such as race/ethnicity, sex and gender, and religion.
3. Identify and analyze contemporary social problems and issues of multiculturalism, gender, race, ethnicity, and social inequality.

Required courses:		18.00
Required Core:		12.00
CMST 9	Intercultural Communication	3.00
CMST 13	Gender and Communication	3.00
MCGS 8	Introduction to Multicultural and Gender Studies	3.00
MCGS 10	Introduction to Women's Studies	3.00
Select 1 course from the following:		3.00
MCGS 32	Introduction to African American Studies	3.00
ANTH 34	Native Americans Today	3.00
MCGS 36	Introduction to Chicano American Studies	3.00
MCGS 38	Introduction to Asian American Studies	3.00
Select 1 course from the following:		3.00
ENGL 26	Queer Film and Literature	3.00
HIST 18	Multicultural History of the United States	3.00
HIST 26	Men and Women in American History	3.00
HIST 30	History of the African American	3.00
SOC 14	Sociology of Gender	3.00
SOC 20	Introduction to Race and Ethnicity	3.00

Total: 18.00

Multimedia Studies Program

2D Animation and Games (MSP) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 2DANIMATANDGAMES.CC

The certificate in 2D Animation and Games prepares the student for entry-level positions in the fast-growing gaming and animation industry. The certificate develops within the sudent a dynamic, multidisciplinary skill set which fosters growth in both the visual arts and coding for games. The new media labs housed within the Multimedia Studies program are equipped with state-of-the-art computers, software, and monitors which allow the student to experience the tools that professional animators and game designers are using today.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Edit and create graphics for animation and gaming applications.
2. Create 2D animations using industry standard software.
3. Discuss the principles of animation and game design.
4. Create game assets and control them with Actionscript.

Required courses:		9.00
MSP 96	Introduction to Computer Graphics	3.00
MSP 12	Two-Dimensional Animation	3.00
MSP 42	Flash Game Design	3.00

Total: 9.00

Graphic Design (MSP) - AA Degree, Transfer Major

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 11140.00AA

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Use critical thinking and problem solving skills to create a Graphic Design portfolio to show to potential clients or as an entry portfolio for transfer.
2. Demonstrate proficient use and knowledge of current design software tools, processes and presentation methods.
3. Research, discuss, and write about historic and current trends, movements, figures and technologies related to Graphic Design.

Required courses:		18.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 31	Graphic Design I	3.00
PHO 2	Introduction to Photography	3.00
RTVF 12	Mass Media and Society	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00

Total: 18.00

Graphic Design for Print (MSP) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 07264.00AS

In the Graphic Design program, students receive hands-on training in many areas of the visual communications field. Butte College offers a complete design and computer lab to aid in the development of job-related skills and techniques. Many of the instructors are working professionals who take time from their careers to teach. Their awareness of the demands of business and industry brings knowledge to the classroom of what is happening now in the field as well as future trends. The goal of the Butte College Graphic Design program is to prepare students for entry level positions. Students who successfully complete the program and plan to earn a four-year degree will have a solid foundation for application to the design school of their choice.

The field of graphic design offers many opportunities and options for the creative individual who has worked hard to develop the necessary skills and techniques. Upon completion of the program the student will have a working familiarity with most aspects of these rapidly growing fields. The department highly recommends that the student entering the second year of the Graphic Design program have access outside of school to a computer with the Adobe Suite software.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio of graphic design for print, which is up to standards for employment interviews in the current market.
2. Demonstrate expert use of graphic design tools and computer equipment.
3. Discuss, write about, organize and assemble a graphic design for print presentation or display before a live audience in an exhibition, online, or through other means of distribution and presentation.

Required courses:		44.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 31	Graphic Design I	3.00
ART 32	Creative Typography	3.00
ART 34	Graphic Design II	3.00
ART 35	Illustration Art I	3.00
ART 36	Illustration Art II	3.00
ART 70	Gallery Production/Business of Art	2.00
BUS 60	Advertising and Promotion	3.00
MSP 1	Multimedia Careers	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 96	Introduction to Computer Graphics	3.00
PHO 2	Introduction to Photography	3.00
RTVF 12	Mass Media and Society	3.00
Select one:		3.00
ART 1	Art Appreciation	3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00

Total: 44.00

Multimedia Studies (MSP) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 09582.00AS

Multimedia Studies is a comprehensive program that recognizes the need to prepare the student for the world of work in today's high performance organization. This program delivers a dynamic, multidisciplinary, interactive, project-based curriculum designed to foster creativity, teamwork, and professionalism. While providing laboratory experiences for the development of skills in multimedia and related technical areas, the student will also develop competencies in workforce preparation, such as in portfolio development, communications, and high performance organization workplace skills. The Multimedia Studies Program New Media Lab is a state-of-the-art Macintosh-based multimedia lab equipped with industry standard computer and state-of-the-art multimedia applications. Students build a strong foundation of skills and knowledge graphic design, video, multimedia and animation, idea presentation, portfolio development, and an overview of the opportunities in Multimedia.

All areas of the multimedia industry are experiencing unprecedented growth in order to meet the industry's needs. There is a constant demand for highly skilled, qualified, and knowledgeable workers, and the rapidly expanding growth of drone video and photography, and 3D printing technologies, is creating a need for workers with these skills.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio and body of work to be used for promotion, client and project acquisition as a freelance designer, and to be used for obtaining employment in the design industry.
2. Demonstrate expert use of equipment, materials and software when creating multimedia projects.
3. Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

Required courses:		33.00
Complete 33 units from the Skill Set courses listed below. Students are encouraged, but not required to complete at least one Skill Set as part of the 33 units required for the major.		
Digital Photography		15.00
MSP 1	Multimedia Careers	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Color Photography	3.00
PHO 8	Commercial Photography	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
Graphic Design for Print and Digital Media		75.00
ART 7	2-D Foundations	3.00
ART 31	Graphic Design I	3.00
MSP 1	Multimedia Careers	3.00
MSP 30	Introduction to Digital Art	3.00
ART 32	Creative Typography	3.00
Select one:		3.00
ART 35	Illustration Art I	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
Three-Dimensional Arts		21.00
MSP 1	Multimedia Careers	3.00
MSP 30	Introduction to Digital Art	3.00
MSP 96	Introduction to Computer Graphics	3.00
ART 9	3-D Foundation	3.00
MSP 12	Two-Dimensional Animation	3.00
MSP 45	3-D Computer Modeling and Animation	3.00
Select one:		3.00
ART 8	Drawing I	3.00
ART 14	Basic Figure Drawing	3.00
Interactive Web Design and Digital Authoring		18.00
MSP 1	Multimedia Careers	3.00
MSP 30	Introduction to Digital Art	3.00
MSP 74	Multimedia Production I	3.00
MSP 96	Introduction to Computer Graphics	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 75	Multimedia Production II	3.00
Digital Audio and Video		18.00
MSP 1	Multimedia Careers	3.00
MSP 30	Introduction to Digital Art	3.00
RTVF 40	Digital Video Production	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 10	Digital Video Design and Production	3.00
MSP 12	Two-Dimensional Animation	3.00

Total: 33.00

Multimedia Studies (MSP) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 09582.00CA
See AS Degree in Multimedia Studies.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio and body of work to be used for promotion, client and project acquisition as a freelance designer, and to be used for obtaining employment in the design industry.
2. Demonstrate expert use of equipment, materials and software when creating multimedia projects.
3. Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

Required courses:	24.00
A Certificate of Achievement in Multimedia Studies will be awarded upon completion of 24 or more units from any courses listed in the AS Degree.	24.00

Total: 24.00

Music

Music (MUS) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): IGETC
Program Code: 32469.01AA-T

The Associate of Arts Degree in Music for Transfer prepares students to demonstrate transfer-level proficiency in solo and ensemble performance as well as music theory and musicianship for a seamless transfer into a baccalaureate degree program as a music major. This degree is recommended for students pursuing careers in music and music-related fields. Completion of this curriculum will demonstrate commitment to the serious study of music in practice and in theory, and provide comprehensive preparation for upper-division work. The Butte College Music Department provides the highest level of instruction for students to pursue their musical and educational goals. The faculty have devised a curriculum that serves to develop skills in musical performance as well as academic preparation for continued study and lifelong learning.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Play their chosen instrument or sing at an advanced level.
2. Demonstrate the ability to either play or sing new music at sight.
3. Analyze a given piece of music in terms of chords and chord structure, modulation, cadences, and form.
4. Articulate the principles of playing in an ensemble.
5. Describe effective practice techniques.
6. Listen to a piece of music and identify its genre.

Required courses:		23.00-24.00
MUS 80	Theory & Musicianship I	4.00
MUS 82	Theory & Musicianship II	4.00
MUS 84	Theory & Musicianship III	4.00
MUS 88	Applied Music	4.00
Complete four (4) units from:		4.00
MUS 60	Performance Ensemble	1.00
MUS 70	Choir	1.00
MUS 61	Pop Ensemble	1.00
List A: Complete 3-4 Units from:		3.00-4.00
MUS 86	Theory & Musicianship IV	4.00
MUS 40	Piano I	1.00
MUS 41	Piano II	1.00
MUS 42	Piano III	1.00
MUS 1	Music Appreciation	3.00

Total: 23.00-24.00

Recording Arts (MUS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 33222.00AS

The Recording Arts program provides students with fundamental to advanced knowledge and understanding of audio recording techniques and applications. Students learn audio recording methods and how to operate the equipment used in a professional recording studio. Courses include theory, performance, industry standard recording software and hands-on exposure to production processes including tracking,

overdubbing, mixing and mastering by participating in recording sessions.

The program prepares students for a host of careers within and beyond the recording studio, including but not limited to Assistant Engineer, Assistant Mix Engineer, Studio Booking Technician, Audio/Visual Technician, Studio Owner, Information Technology Specialist and Customer Service Representative, Video Game Audio Engineer, and TV and Film Audio Engineer.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Make technically competent recordings of real instruments in a studio setting.
2. Utilize computer-based music software for electronic music composition.
3. Effectively edit and mix electronic compositions and studio recordings.
4. Analyze the fundamental concepts of audio theory.
5. Demonstrate proper etiquette and work ethic appropriate to a professional audio environment.

Required courses:		25.50
MUS 10	Music Theory I	3.00
MUS 11	Musicianship I	1.00
MUS 51	Computer Literacy for Musicians	1.50
MUS 12	Music Theory II	3.00
MUS 13	Musicianship II	1.00
MUS 52	Introduction to Recording Techniques	3.00
MUS 53	Introduction to Recording Software Applications	3.00
MUS 54	Studio Recording I	4.00
MUS 55	Studio Recording II	4.00
Select one:		1.00
MUS 20	Guitar I	1.00
MUS 30	Voice I	1.00
MUS 40	Piano I	1.00
Select one:		1.00
MUS 21	Guitar II	1.00
MUS 31	Voice II	1.00
MUS 41	Piano II	1.00

Total: 25.50

Recording Arts (MUS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 33182.00CA
See AS Degree in Recording Arts.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Make technically competent recordings of real instruments in a studio setting
2. Utilize computer-based music software for electronic music composition
3. Effectively edit and mix electronic compositions and studio recordings
4. Analyze the fundamental concepts of audio theory
5. Demonstrate proper etiquette and work ethic appropriate to a professional audio environment

Required courses:		25.50
MUS 10	Music Theory I	3.00
MUS 11	Musicianship I	1.00
MUS 51	Computer Literacy for Musicians	1.50
MUS 12	Music Theory II	3.00
MUS 13	Musicianship II	1.00
MUS 52	Introduction to Recording Techniques	3.00
MUS 53	Introduction to Recording Software Applications	3.00
MUS 54	Studio Recording I	4.00
MUS 55	Studio Recording II	4.00
Select one:		1.00
MUS 20	Guitar I	1.00
MUS 30	Voice I	1.00
MUS 40	Piano I	1.00
Select one:		1.00
MUS 21	Guitar II	1.00
MUS 31	Voice II	1.00
MUS 41	Piano II	1.00

Total: 25.50

Natural Resources

Ecological Restoration (NR) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ECOLOGICALREST.CC

The courses required for this certificate provide desired basic skills by the industry. Students who complete the requirements for this certificate will have the basic skills necessary for entry-level employment in the ecological restoration industry. Students taking these courses will have an enhanced ability in operating heavy equipment, management of recreational lands, surveying landscapes and utilizing GPS and GIS systems to create and read maps of work areas, and installation and maintenance of irrigation systems. Students may return and take the courses required for the certificate to stay current in their field or obtain promotions.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify the biologic and economic need for restoring and maintaining ecosystem health in California.
2. Demonstrate proper use of topographical maps, assessments, hand tools and equipment commonly used by ecological restorationists.
3. List and discuss wetland and upland habitat restoration techniques using native plants and various irrigation methods.
4. Examine and report the procedures required by law for the purpose of mitigating damage to the environment by industry.
5. Estimate cut and fill for a surveyed tract, operate wheel and track type tractors safely and properly, and perform operator level maintenance and adjustment of tractor systems.
6. Read and interpret basic irrigation designs and identify and troubleshoot irrigation problems with sprinklers, valves and controllers, then make the necessary repairs or replacements.

Required courses:		14.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 60	Natural Resources Law	3.00
NR 70	Geospatial Data Applications	2.00
AET 26	Basic Surveying	3.00
EH 30	Irrigation Practices and Materials	3.00

Total: 14.00

Forestry Technician (NR) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: FORESTRYTECH.CC

The Forestry Technician certificate curriculum is designed to meet the demand for trained personnel in the fields of forestry and silviculture for multiple agencies and private timber companies.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify common tree and plant species in California and the western United States.
2. Utilize tools for forest mensuration.
3. Identify invasive weeds, pests and diseases common to trees and forests in California.
4. Perform work in a greenhouse for the propagation of trees for replanting after a harvest or fire.
5. Utilize GPS and GIS systems to create and read maps of work areas.

Required courses:		15.00
NR 12	Dendrology/Native Plant Identification	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00
AGS 30	Ecology of Insect and Disease Management	3.00
EH 38	Greenhouse Production	3.00
EH 62	Weed Science and Invasive Plants	3.00

Total: 15.00

Natural Resources Management (NR) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 07259.01AS

The Natural Resources program is designed to meet the demand for trained personnel in a broad range of Natural Resource/ Environmental Science fields in addition to numerous private organizations.

Intense pressures are being placed on the nation's environmental resources as the population increases. This creates an ever-growing demand for trained people to work in forestry, recreation,

water, soil, wildlife and other natural resource/environmental management areas. Career opportunities exist with the U.S. Forest Service, Bureau of Land Management, Bureau of Reclamation, California Department of Fish and Wildlife, National Park Service, and U.S. Soil Service as well as numerous private management firms, environmental companies, and land developers, to list a few job possibilities. Employment in any of these areas will provide an opportunity for working in one of the nation'smost interesting, diversified and rapidly expanding fields. The work is varied. However, certain basic skills are fundamental.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe and apply the basic elements of the scientific method.
2. Identify basic environmental problems and describe how they affect the environmental's biotic and abiotic components.
3. Identify the main fish and game species located within the state and/or region of desired employment.
4. Evaluate the modern and historical roles of human impact on wildlife and wildlife management.

Required courses:		39.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AGS 50	General Soils	4.00
AGS 20	Plant Science	3.00
NR 12	Dendrology/Native Plant Identification	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00
NR 26	Environmental World	3.00
NR 28	Environmental Management	3.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 55	Wildlife Management	3.00
NR 60	Natural Resources Law	3.00
NR 65	Recreational Land Management	3.00
NR 70	Geospatial Data Applications	2.00
NR 99	Work Experience-NR	2.00

Total: 39.00

Parks and Recreation (NR) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: PARKSANDREC.CC

The courses for the certificate provide basic skills for the entry level position in park and recreational land management. Students taking these courses will have an enhanced ability in tree and tree pest species identification, operating maintenance and construction equipment, utilizing GPS and GIS systems to create and read maps of work areas, and managing land for recreational purposes. Students may return and take the courses required for the certificate to stay current in their field or obtain promotions.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Acquire and demonstrate background knowledge in outdoor recreation as it relates to career opportunities, educational requirements, qualifications and duties of field personnel.
2. Evaluate recreation facilities and resources, identifying maintenance requirements, potential hazards, traffic, and people flow.
3. Demonstrate manipulative skills related to hand tools, power equipment, and machines commonly used in recreational land management.
4. Examine and report the procedures required by law for the purpose of mitigating damage to the environment by outdoor recreational activities.
5. Compile information from GPS data, aerial and topographical maps to analyze and present spatial configurations of natural resources on recreational lands.

Required courses:		15.00
NR 20	Introduction to Forestry and Natural Resources	3.00
NR 28	Environmental Management	3.00
NR 65	Recreational Land Management	3.00
AET 22	Natural Resources and Agri-Construction	3.00
AET 30	Tractors and Crawlers	3.00

Total: 15.00

Wildlife Technician (NR) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: WILDLIFETECH.CC

The Wildlife Technician certificate is designed to meet the demand for trained personnel in the field of Wildlife and Fisheries Management for multiple agencies and private organizations. The

courses for the certificate provide desired basic skills for the entry level position in wildlife area or refuge management. Students taking these courses will have an enhanced ability to identify wildlife and fish species, perform work on wildlife areas or habitat restoration sites, make decisions based on natural resource law, and utilize GPS and GIS systems to create and read maps of work areas. Students may return and take courses required for this certificate to stay current in their field or obtain promotions.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify major game and fish species in northern California.
2. Assist in the capture, study, and management of wildlife.
3. Perform maintenance, participate in research, and interact with the public on wildlife areas or refuges.
4. Locate and analyze the federal and state acts, statutes and regulations which protect endangered species and other wildlife.
5. Utilize GPS and GIS systems to create and read maps of work areas.

Required courses:		14.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 55	Wildlife Management	3.00
NR 60	Natural Resources Law	3.00
NR 70	Geospatial Data Applications	2.00
Select one:		3.00
AET 22	Natural Resources and Agri-Construction	3.00
EH 22	Landscape Construction	3.00

Total: 14.00

Nursing

Acute Care Nurse Assistant (NSG) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: ACUTENURSEASSIST.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the limitations of the acute care nurse assistant with respect to the Scope of Practice guidelines.
2. Practice effective communication and documentation skills in the acute care setting.
3. Describe knowledge and understanding of a safe and secure environment for patients in the acute care setting. This includes ensuring the patient's room is free of hazards that might impede mobility and safety, as well as the provision of physical comfort.
4. Demonstrate and practice safe and effective care of the surgical patient.
5. Collaborate with nursing staff to formulate an appropriate plan of care for the patient with disorder of the major body systems: gastrointestinal, renal, reproductive, endocrine, cardiovascular, and respiratory.
6. Identify and follow proper procedures for providing appropriate care for the orthopedic, oncology, pediatric and/or dying patient.

Required courses:		4.00
NSG 102	CNA Acute Care	4.00

Total: 4.00

Certified Nursing Assistant (NSG) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: NURSINGASST.CC

The Certified Nursing Assistant/Home Health Aide program is designed to prepare students for state certification as a Nursing Assistant. Successful completion of the program makes students eligible to take the written and manual skills test for state certification. The rapidly growing need for skilled health personnel provides good employment opportunities for Certified Nursing Assistants and Home Health Aides. Positions are found in general and convalescent hospitals, physicans' offices, private homes, community health agencies and in industry.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe and provide safe and competent personal care and procedures to clients in a long-term care setting.
2. Apply safety, cleanliness and infection control nursing measures.
3. Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered.
4. Identify and apply legal and ethical principles related to the role of the nursing assistant and the rights of residents.

5. Describe quality of life issues, common long-term diseases/ conditions, and related nursing care and rehabilitation techniques.
6. Describe basic principles of nutrition and types of therapeutic diets.
7. Correctly calculate mathematical problems related to the CNA nursing role and care.

Required courses:	6.50
NSG 100 CNA Basic Nursing Care, Theory	3.50
NSG 101 CNA Basic Nursing Care, Clinical	3.00

Total: 6.50

Home Health Aide (NSG) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: HOMEHLTHAIDE.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe and provide safe and competent personal care, procedures and interventions to clients in a home care setting.
2. Apply safety, cleanliness and infection control nursing measures in the home care setting.
3. Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered in the home care setting.
4. Identify and apply legal and ethical principals related to the role of the nursing assistant and the rights of residents in home care settings.
5. Describe quality of life issues, the impact of common long-term diseases/conditions, and related nursing care and rehabilitation techniques utilized in the home care setting.
6. Describe basic principles of nutrition, food selection, storage, and planning/preparation of different types of therapeutic diets for the home care setting.
7. Correctly calculate mathematical problems related to the CNA nursing role and care in the home care setting.

Required courses:	1.50
NSG 103 Home Health Aide for the CNA	1.50

Total: 1.50

Licensed Vocational Nursing (NSG) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01340.00AS

The Licensed Vocational Nursing program is a state approved vocational program which provides the curriculum necessary for an individual to qualify for the state board examination for licensure as a vocational nurse. The curriculum includes prerequisite courses and the equivalent of three academic semesters of nursing theory and supervised clinical experiences.

The primary role of the licensed vocational nurse is to provide bedside nursing in a variety of clinical settings. The student will study common medical-surgical conditions, their origin, prevention and treatment emphasizing the related nursing care. To help the student provide “individualized” nursing care, other courses provide basic psychology and sociology concepts relevant to the development, motivation and reactions of people healthy and ill.

The rapidly growing need for skilled health personnel provides good employment opportunities for the Licensed Vocational Nurse. Positions are found in general and convalescent hospitals, physicians’ offices, private homes, community health agencies and in industry.

Admission to the Program
Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials. Nursing classes are limited in size. Admission to the program is based on academic and general requirements.

Applicants that have failed, more than once, from any nursing program (LVN and/or RN) are ineligible to apply.

Persons with substance abuse issues or with conviction of crimes substantially related to the practice of nursing may not be granted a license by the California Board of Vocational Nursing and Psychiatric Technicians. Fingerprints are a required part of the application for licensure. Records that are expunged or sealed, and juvenile records will be accessed and reviewed. For more information, please visit the following website: http://www.bvnpt.ca.gov/enforcement/enforcement_faq.shtml

The Nursing Department will not accept online labs for BIOL 20 Human Anatomy, or BIOL 21 Human Physiology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Use the nursing process to provide nursing care to individual patients/clients and families throughout the life span.
2. Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.

3. Provide educational information for individual patients/ clients, families, and groups to promote, achieve, or maintain a state of health.
4. Initiate and maintain therapeutic communication with individual patients/clients and families.
5. Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
6. Collaborate with other healthcare team members to provide optimum care.
7. Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

Required courses:		67.00-69.00
Prerequisites Prior to Admission		67.00-69.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00-4.00
FN 50	Nutrition and Diet Therapy	4.00
FN 2	Nutrition	3.00
Math Competency		4.00
Program Sequence:		49.00
NSG 18	Fundamentals of Nursing	3.00
NSG 21	Clinical Nursing I	7.00
NSG 22	Gerontology Nursing	1.00
NSG 23	Pharmacology Nursing	3.00
NSG 24	Musculoskeletal Nursing	1.00
NSG 28	Role Development	1.00
NSG 31	Clinical Nursing II	7.00
NSG 32	Perioperative Nursing and Client Education	2.00
NSG 35	Cardiovascular and Respiratory Nursing	3.00
NSG 36	Gastrointestinal and Renal/Urinary Nursing	2.00
NSG 37	Endocrine Disorders	2.00
NSG 41	Clinical Nursing III	7.00
NSG 42	Maternal Child Nursing	2.00
NSG 43	Neurological and Rehabilitation Nursing	2.00
NSG 44	Psych/Mental Health Nursing	2.00
NSG 47	Oncology Nursing	2.00
NSG 49	Role Development and Vocational Relations/Leadership	2.00

Total: 67.00-69.00

Licensed Vocational Nursing (NSG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01340.00CA
See AS Degree in Licensed Vocational Nursing.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Use the nursing process to provide nursing care to individual patients/clients and families throughout the life span.
2. Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.
3. Provide educational information for individual patients/ clients, families, and groups to promote, achieve, or maintain a state of health.
4. Initiate and maintain therapeutic communication with individual patients/clients and families.
5. Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
6. Collaborate with other healthcare team members to provide optimum care.
7. Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

Required courses:		66.00-68.00
Prerequisites Prior to Admission		14.00-16.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00-4.00
FN 50	Nutrition and Diet Therapy	4.00
FN 2	Nutrition	3.00
Math Competency		3.00
Program Sequence:		49.00
NSG 18	Fundamentals of Nursing	3.00
NSG 21	Clinical Nursing I	7.00
NSG 22	Gerontology Nursing	1.00
NSG 23	Pharmacology Nursing	3.00
NSG 24	Musculoskeletal Nursing	1.00
NSG 28	Role Development	1.00
NSG 31	Clinical Nursing II	7.00
NSG 32	Perioperative Nursing and Client Education	2.00

NSG 35	Cardiovascular and Respiratory Nursing	3.00
NSG 36	Gastrointestinal and Renal/Urinary Nursing	2.00
NSG 37	Endocrine Disorders	2.00
NSG 41	Clinical Nursing III	7.00
NSG 42	Maternal Child Nursing	2.00
NSG 43	Neurological and Rehabilitation Nursing	2.00
NSG 44	Psych/Mental Health Nursing	2.00
NSG 47	Oncology Nursing	2.00
NSG 49	Role Development and Vocational Relations/Leadership	2.00

Total: 66.00-68.00

Registered Nursing (NSG) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 14583.00AS

The two-year traditional Registered Nursing Associate Degree program prepares the student for licensure as an RN at the Associate Degree Nursing (ADN) level. The four-semester program provides theory and clinical content required for registered nursing licensure. Upon completion of the degree, the student will be eligible for the national/state licensure examination for registered nursing.

A registered nurse can seek employment in a variety of settings: acute care hospital, community/home health care, skilled and long term care, clinics, physician offices, and any number of private industries that interface with health care delivery. A national shortage of registered nurses is predicted for the next two decades.

Admission to the Program
Students are admitted by application only. Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials. Admission to the program is based on academic and general requirements. In the event that there are more qualified candidates than spaces in the program, a computerized lottery will be used to select the individuals to be enrolled.

Requirements for Application and Admission: Age 17 years or older with a 12th grade education or equivalent.

Completion of all prerequisites courses (prerequisites may not be in progress at the time of application).

An overall grade point average (GPA) of 2.5 for Human anatomy, Human Physiology, and Microbiology courses, with no grade less that "C" for each course and no more than one repetition of one of these courses.

An overall GPA of 2.5 for all prerequisite courses.

A minimum 62% composite score on the TEAS V test (may be repeated once).

Applicants that have failed, more than once, from any nursing program (LVN and/or RN) are ineligible to apply.

Persons with substance abuse issues or with conviction of crimes substantially related to the practice of nursing may not be granted a license by the California Board of Registered Nursing. Fingerprints are a required part of the application for licensure. Records that are expunged or sealed, and juvenile records will be accessed and reviewed. For more information, please visit the following website: http://www.rn.ca.gov/pdfs/enforcement/discguide.pdf

The Nursing Department will not accept online labs for BIOL 20 Human Anatomy, BIOL 21 Human Physiology or BIOL 15 Introduction to Microbiology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		86.00-88.00
Prerequisites Prior to Admission		83.00-85.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
BIOL 15	Introduction to Microbiology	5.00
Math Compentency		4.00

PSY 1	Principles of Psychology	3.00
Select one:		3.00-4.00
FN 2	Nutrition	3.00
FN 50	Nutrition and Diet Therapy	4.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
CMST 10	Interpersonal Communication	3.00
Other Required Courses: Select one (may be taken prior to or concurrently with the first year of program)		3.00
ANTH 4	Cultural Anthropology	3.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00

Humanities GE requirement for AS degree		3.00
Program Sequence		51.00
NSG 54	Foundations of Practice	3.00
NSG 55	Medical Surgical Nursing I	4.00
NSG 56	Clinical Nursing I	5.00
NSG 60	Maternity Nursing	2.00
NSG 62	Medical-Surgical Nursing II	4.00
NSG 66	Clinical Nursing II	5.00
NSG 63	Pediatric Nursing	2.00
NSG 67	Complex Medical/Surgical Nursing III	4.00
NSG 61	Pharmacology	2.00
NSG 68	Clinical Nursing III	5.00
NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 77	Complex Medical/Surgical Nursing IV	4.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00

Multicultural breadth requirement met by completion of the program

Total: 86.00-88.00

Registered Nursing: LVN to ADN (NSG) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01339.00AS

The AS in Registered Nursing: LVN to ADN program prepares LVNs for licensure as RNs at the Associate Degree level (ADN). Training as a vocational nurse and prerequisite courses count as the first year of a traditional two-year Associate Degree registered nursing program. The two semesters of clinical nursing provide the additional nursing content required for a registered nursing licensure.

Upon completion of the program the student will be eligible for the national/state licensure examination for registered nurses. A registered nurse can seek employment in a variety of settings: acute hospital care, community/home health care, skilled and long term care, clinics, physician's offices, as well as private industries that interface with health care delivery. A national shortage of registered nurses is predicted for the next two decades.

Admission to the Program
Students are admitted by application only. Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials. Admission to the program is based on academic and general requirements. In the event that there are more qualified candidates than spaces in the program, a computerized lottery will be used to select the individuals to be enrolled.

Requirements for Application and Admission: Age 17 years or older with a 12th grade education or equivalent.

Completion of all prerequisites courses (prerequisites may not be in progress at the time of application).

An overall grade point average (GPA) of 2.5 for Human anatomy, Human Physiology, and Microbiology courses, with no grade less that "C" for each course and no more than one repetition of one of these courses.

An overall GPA of 2.5 for all prerequisite courses.

A minimum 62% composite score on the TEAS V test (may be repeated once).

Applicants that have failed, more than once, from any nursing program (LVN and/or RN) are ineligible to apply.

Persons with substance abuse issues or with conviction of crimes substantially related to the practice of nursing may not be granted a license by the California Board of Registered Nursing. Fingerprints are a required part of the application for licensure. Records that are expunged or sealed, and juvenile records will be accessed and reviewed. For more information, please visit the following website: http://www.rn.ca.gov/pdfs/enforcement/discguide.pdf

The Nursing Department will not accept online labs for BIOL 20 Human Anatomy, BIOL 21 Human Physiology or BIOL 15 Introduction to Microbiology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		61.00-62.00
Prerequisite Courses		
PSY 1	Principles of Psychology	3.00
BIOL 15	Introduction to Microbiology	5.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
NSG 64	Transition to ADN Nursing I	1.00
NSG 65	Transition to ADN Nursing II	3.00
Math Competency		4.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
CMST 10	Interpersonal Communication	3.00
Other Required Courses: (May be taken prior to or concurrently with the first year of the program)		12.00
Humanities General Education Requirement		3.00
Select one:		9.00
ANTH 4	Cultural Anthropology	3.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00
Program Sequence:		26.00
NSG 67	Complex Medical/Surgical Nursing III	4.00
NSG 68	Clinical Nursing III	5.00
NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 77	Complex Medical/Surgical Nursing IV	4.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00
NSG 61	Pharmacology	2.00
Multicultural breadth requirement met by completion of the program		

Total: 61.00-62.00

Registered Nursing: LVN to ADN (NSG) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 20005.00CA

See AS Degree in Registered Nursing: LVN to ADN.

Eligibility for Licensure for Non-Degree Students:
A 30-unit option is available for LVNs who wish eligibility for the California Board of Registered Nursing Licensure Examination but who do not wish to complete the Associate Degree Nursing Program. General and Academic Requirements for this option are limited to: Current California LVN Licensure, Successful completion of BIOL 15 and BIOL 21 or equivalent courses. Students interested in this option should request further information and application materials from the Nursing Department Office.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the

health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		30.00
BIOL 15	Introduction to Microbiology	5.00
BIOL 21	Human Physiology	4.00
NSG 64	Transition to ADN Nursing I	1.00
NSG 68	Clinical Nursing III	5.00
NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00
NSG 88	Med/Surg III (30 Unit Option)	2.00
NSG 89	Med/Surg IV (30 Unit Option)	2.00

Total: 30.00

Occupational and Life Skills

Navigating Work Space Communication and Culture (OLS) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: NAVWKCOMMCULT.CC

This program is designed for students who wish to develop fundamental workplace skills known to enhance career prospects and avoid common pitfalls that may harm a student's professional life. The Navigating Workplace Communication and Culture certificate will develop strategies that will improve the student's ability to create sustainable and ongoing collaborative relationships in a professional setting. Focus will be placed on developing personal responsibility, accessing emotional intelligence and capabilities, and improving life management skills for workforce readiness and success.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate appropriate communication when conversing with co-workers, a boss or a customer.
2. Recognize communication barriers and utilize effective interpersonal strategies for possible resolutions.
3. Identify organizational behavior in the work place.
4. Apply positive behaviors when decision making and problem solving.

Required courses:		0.00
OLS 340	Analyzing Communication for Vocational Advantage	0.00
OLS 341	Analyzing Behavior for Vocational Advantage	0.00

Total: 0.00

Noncredit Certificate of Completion in Occupational and Life Skills (OLS) - Noncredit Certificate of Completion

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: NONCREDITOLS.CC

The focus of the Occupational and Life Skills Program is to prepare students for community integrated employment. The two separate levels of certification may be obtained through an occupation specific certification and a Butte College Certificate of Completion. Students who successfully complete the program will have proof of competencies through these certifications presented to potential employers. This certificate program requires successful completion of 6 courses in the OLS sequence.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and assess safety hazards in the workplace.
2. Demonstrate appropriate professional conduct.
3. Apply comprehension and writing strategies when confronted with workplace documentation.
4. Recognize and apply for compatible job opportunities relative to their occupation-specific certification.
5. Organize and accomplish tasks for completion, adhering to deadlines.
6. Determine amounts of money, temperature readings, volumes, and other measurements required for some occupations.

Required courses:		0.00
OLS 324	Workplace Communication	0.00
OLS 325	Literacy for Career Building	0.00
OLS 326	Mathematics within Industry	0.00
OLS 327	Career Exploration	0.00
OLS 328	Strategies for Employment	0.00

OLS 329	Occupational Certification Workshop	0.00

Total: 0.00

Philosophy

Philosophy (PHIL) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 40923.00AA-T

Students choosing this major will study a range of philosophical subjects including logic, ethics, metaphysics, and epistemology. They will learn not what to think but how to think, developing skills in analytical and critical thinking and writing that are excellent preparation for professional and other careers, including law and management.

The Associate in Arts in Philosophy for transfer (AA-T in Philosophy) is intended for students who plan to complete a bachelor's degree in Philosophy at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Analyze and evaluate arguments from philosophical and non-philosophical sources.
2. Identify philosophical principles and concepts as they developed in the history of philosophy.
3. Discuss and evaluate claims and arguments from the main branches of philosophy, including logic, metaphysics, epistemology, and ethics.
4. Formulate and defend philosophical positions in response to the diverse assumptions and viewpoints shaping human lives.

Required core:		18.00
PHIL 6	Intro To Logic & Critical Thinking	3.00
PHIL 2	Introduction to Philosophy	3.00
List A: Select one		3.00
PHIL 10	History of Ancient Philosophy	3.00
PHIL 4	Introduction to Ethics and the Good Life	3.00
List B: Select two or any course from List A not already used		6.00
PHIL 18	Eastern Religions	3.00
PHIL 8	Methods of Argument	3.00
List C (Select one or any course from List A or List B not already used)		3.00
PHIL 16	Western Religions	3.00
OR		
Any course articulated as CSU GE Area C2 or IGETC Area 3B		

Total: 18.00

Photography

Photography (PHO) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01334.00AS

The Photography program provides students with a working knowledge of black-and-white and color photography, and fundamental laboratory and technical skills required for entry-level employment. The curriculum is designed to teach students to become independent professional photographers or to work as technician/photographers for others. Photography is a two-year Associate Degree program.

Photography is used in virtually every field in this media-conscious age. Public relations and advertising firms, newspapers, magazines and the fashion industry are among the more traditional employers. Camera and lab skills also are required for portraiture, wedding and scientific photography. Staff photographers are employed by industrial and architectural firms, hospitals, telecommunication and record companies, galleries and

schools, as well as state agencies. Photographers also are needed for aerial surveying for land and/or agricultural development projects. Working photographers encounter challenges requiring their technical skills and artistic innovation. Jobs involve scheduling photographic assignments for a variety of clients.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Execute technical, aesthetic, and conceptual decisions based on an understanding of art and design principles.
2. Produce photographs suitable for seeking career opportunities in photography.
3. Solve creative problems in photography, including research and synthesis of technical, aesthetic, and conceptual knowledge.
4. Communicate photography concepts to specific audiences using proper visual, oral, and written presentation skills.
5. Evaluate photographic works, including their own, using professional terminology.

Required courses:		29.00
PHO 1	History of Photography	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Color Photography	3.00
PHO 6	Black and White Photography	3.00
PHO 8	Commercial Photography	3.00
PHO 11	Alternative Photographic Processes	3.00
PHO 14	Introduction to Photographic Portfolios and Books	3.00
PHO 15	Introduction to Adobe Lightroom	3.00
PHO 20	Photoshop for Photographers	3.00
PHO 99	Work Experience-PHO	2.00

Total: 29.00

Professional Photography (PHO) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: PROFESSIONALPHOTO.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate the safe use of photographic equipment in the studio and on location.
2. Produce photographic images for a variety of applications including industrial, medical, product display, architectural, portrait, food and fashion modeling.
3. Use computer software to edit and enhance photographic images for a variety of media including magazines, newspapers, brochures, television, and the internet.
4. Produce a selection of photographic images for a professional resume.

Required courses:		12.00
PHO 2	Introduction to Photography	3.00
PHO 4	Color Photography	3.00
PHO 8	Commercial Photography	3.00
PHO 15	Introduction to Adobe Lightroom	3.00

Total: 12.00

Physical Science

Environmental Science (PSC) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 15151.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

The major promotes an understanding of basic operational principles underlying the biosphere and ecosystem through a transdisciplinary approach to understanding interaction between the biological and physical world and human institutions. Students will understand essential biological and physical processes, analyze human/environment interactions, understand different cultural perspectives on the environment, build critical thinking skills as the basis for decision making and sound value judgements, gain specialized analytical skills in at least one area of environmental science, build teamwork, leadership, conflict resolution skills, and develop effective communication skills.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Investigate and describe specific evidence used to construct individual scientific principles.
2. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
3. Utilize scientific methodologies when solving a problem.

4. Demonstrate knowledge of how human activities impact the physical and biological environments.
5. Demonstrate knowledge of environmental policy-making, regulation, compliance, enforcement, and the collection of data from fieldwork.

Required courses:		26.00-38.00
Complete One Emphasis		26.00-38.00
Ecological Restoration Emphasis at CSU, Humboldt		26.00
PSC 10	Introduction to Environmental Science	4.00
NR 28	Environmental Management	3.00
CHEM 51	Elementary Inorganic Chemistry	5.00
BIOL 41	Cell and Molecular Biology	5.00
AGS 50	General Soils	4.00
BIOL 43	Ecology and Evolution	5.00
OR		
Energy and Climate Emphasis at CSU, Humboldt		38.00
PSC 10	Introduction to Environmental Science	4.00
NR 28	Environmental Management	3.00
ECON 35	Introduction to Environmental Economics	3.00
MATH 30	Analytic Geometry and Calculus I	5.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
Select one:		5.00
BIOL 43	Ecology and Evolution	5.00
BIOL 41	Cell and Molecular Biology	5.00
Select one:		5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 1	General Chemistry I	5.00
If you take CHEM 1, must take CHEM 2		5.00
CHEM 2	General Chemistry II	5.00
OR		
Environmental Policy Emphasis at CSU, Humboldt		26.00
PSC 10	Introduction to Environmental Science	4.00
NR 28	Environmental Management	3.00
ECON 35	Introduction to Environmental Economics	3.00
MATH 20	Trigonometry	3.00
MATH 26	College Algebra	4.00
Select one:		5.00
BIOL 43	Ecology and Evolution	5.00
BIOL 41	Cell and Molecular Biology	5.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00

Total: 26.00-38.00

Physical Science (PSC) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01356.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Investigate and describe specific evidence used to construct individual scientific principles.
2. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
3. Utilize scientific methodologies when solving a problem.
4. Demonstrate knowledge of the interplay between the various physical sciences, how they align, and how they differ.
5. Demonstrate how the physical sciences differ from the biological and social sciences.

Required courses:		43.00-45.00
Geoscience : Physical Science Education option at CSU, Chico		39.00-40.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
GEOL 32	Physical Geology with Lab	4.00
GEOL 34	Historical Geology with Lab	4.00
CHEM 21	Organic Chemistry I	5.00
Select one:		4.00-5.00
MATH 13	Survey of Calculus	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
Select one group:		8.00

PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
OR		
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Select one:		4.00-5.00
BIOL 1	Introduction to Biology	4.00
BIOL 41	Cell and Molecular Biology	5.00

Total: 43.00-45.00

Physics

Physics (PHYS) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31950.00AS-T
Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the Academic Programs section for details.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.
2. Demonstrate analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.

Required courses:		25.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00

Total: 25.00

Physics (PHYS) - AS Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01357.00AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

The Associate in Science in Physics is intended for students who plan to continue on to a University and major in Physics or related discipline. Physics is the fundamental study of the relationships that exist among time, space, motion, matter and energy that serves as both a living and evolving record of humanity's understanding of the physical universe from the sub-atomic to the super-galactic as well as a coherent, time-tested compendium of strategies for mathematically modeling and analyzing physical systems.

Roughly 50% of students who receive physics bachelor's degrees go directly into the workforce after graduation while the rest continue onto graduate school (which is often tuition free for US citizens). Physics bachelor degree careers are wide ranging and include High School Physics Teachers, Government Funded Laboratory technicians and Private Sector jobs often working the same computer science and engineering jobs as graduates in those fields with average salaries markedly above jobs from non-technical fields. Students are encouraged to contact one of our 4 full-time physics instructors to discuss possible futures in physics. Physics is an abstract and mathematically demanding field. Beginning the AS Degree requires the student have the required prerequisites to enter into college level calculus. Many students have begun focused math studies well below calculus-level at Butte College, succeeded in physics and been successful in receiving advanced degrees.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate basic experimental knowledge through data gathering, judging the accuracy and reliability of data,

creating informative graphs, and discussing the limitations of experimental designs.
2. Demonstrate basic analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.

Required courses:		39.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00

Total: 39.00

Political Science

Political Science (POS) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31939.02AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Students who earn either the AA-T in Political Science usually transfer to a CSU or UC. Many students decide to obtain a degree in political science for law school preparation. Other political science majors go on to pursue careers in local government, as legislative aides, with non-profits, in civil service or bureaucratic work, etc. See the American Political Science Association webpage for more information. http://www.apsanet.org/PScareers

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify major aspects of governmental systems of the United States, for individual states (especially California), and compare governmental systems on a global basis.
2. Place various governmental systems within a developmental/historical framework. Methods of description, analysis, and theory will also be important factors for students who select Political Science as their major.

Required courses:		19.00
Required Core		3.00
POS 2	United States Government	3.00
List A: Select three		10.00
POS 3	Comparative Politics	3.00
POS 18	International Relations	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List B: Select two		6.00
POS 12	California State and Local Government	3.00
POS 16	Vital Political Problems	3.00
HIST 20	Political History of the Middle East	3.00

Total: 19.00

Leadership and Civic Engagement (POS) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: LEADERSHIP.CC

The Certificate in Leadership and Civic Engagement will give students a foundation and hands-on experience in leadership theory and civic engagement activities. The courses focus on the themes of understanding self, understanding others, working in teams, civic engagement, and social and global responsibility and are applicable to all areas of study and careers. Students will have the opportunity to seek out and perform in leadership positions throughout the program and will participate in a monthly cohort. If you are interested in this program please contact Kelly Munson (530) 895-2945.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the history and current trends of leadership and civic engagement theories and models.

2. Identify the steps and demonstrate skills necessary to plan, implement and lead civic engagement projects.
3. Perform in leadership positions on campus or in the community.
4. Articulate a personal awareness of their own strengths, deficits, and areas for growth as a leader.

Required courses:		13.00
POS 92	Exploring Leadership	3.00
IDST 94	Introduction to Service Learning	1.00
Select one:		3.00
LM 40	Life Management	3.00
PSY 20	Personal and Social Growth and Wellness	3.00
Select 2 courses from the following:		6.00
CMST 4	Small Group Communication	3.00
CMST 9	Intercultural Communication	3.00
ANTH 18	World Cultures	3.00
SOC 30	Sociology of Inequality	3.00
SOC 5	Our Sustainable Future	3.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00

Total: 13.00

Psychology

Psychology (PSY) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31422.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the "Academic Programs" section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in psychology from diverse perspectives.
2. Critically evaluate research reports and synthesize a body of research findings.
3. Develop testable hypotheses and select appropriate research design to test hypotheses.

Required courses:		19.00-20.00
Required Core		10.00
PSY 1	Principles of Psychology	3.00
PSY 7	Introduction to Research Methods in Psychology	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List A: Select one		3.00-4.00
BIOL 1	Introduction to Biology	4.00
BIOL 2	Introduction to Human Biology	3.00
PSY 3	Introduction to Biological Psychology	3.00
List B: Select one or any course from List A not already used		3.00
PSY 15	Lifespan Psychology	3.00
List C: Select one or any course from List A or B not already used		3.00
PSY 6	Abnormal Psychology	3.00
PSY 41	Socio-Cultural Context of Psychological Development	3.00

Total: 19.00-20.00

Peace and Global Studies (PSY) - Certificate of Achievement

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: 18794.00CA

Peace and Global Studies is an integrated, multidisciplinary program offering students an opportunity to understand the root causes of human violence and peace. Peace and Global Studies examines social, political, religious, environmental ideologies and

personal barriers that prevents peace. It offers skill sets for analyzing structural violence, cultivating non-violent communication, and developing peacemaking and peacebuilding strategies with others. Students acquire personal practices for building peace.

Peace and Global Studies strengthens any major working within human systems: business, nursing, law enforcement, social and cultural sciences, social justice, international relations, and education. This Certificate offers the opportunity to build skill sets to effectively promote inclusion, understanding, and to build peaceful connections inter-personally to international relations.

This Certificate will serve as a valuable adjunct to careers in: Psychological Counseling (School Psychology), International Relations, Political Science, Human Services (Health and Environmental Services), Domestic Emergency Services (Police, Fire, and Medical), NGO's, Human Rights Organizations, Business, Administration, and Education. Currently international corporations are seeking specialists with global knowledge and skill sets in conflict resolution and prevention through peacemaking and peace building.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Define the many forms of violence that exist from with in one's mind to all levels of social construction.
2. Interrelate direct violence to deeper structural issues.
3. Recognize and articulate how core values, worldviews, and communication patterns shape cultural and individual identities.
4. Identify and describe barriers to effective intercultural communication such as stereotyping, prejudice, and ethnocentrism.
5. Evaluate the common problems that plague human societies and discuss remedies that would create more just and equitable societies on a global scale.
6. Analyze and discuss the promotion of ethical living by enhancing personal integrity in daily life.
7. Explain what it means to be a conscious, proactive global citizen.

Required courses:		29.00
PSY 11	Peace Psychology	3.00
POS 92	Exploring Leadership	3.00
PSY 10	Peace and Global Studies Capstone	1.00
CMST 9	Intercultural Communication	3.00
POS 16	Vital Political Problems	3.00
Select one:		3.00
PSY 34	Eastern Psychology: Traditions and Practices	3.00
PSY 36	Psychology of Meditation and Mindfulness	3.00
Select 1 course from the following:		3.00
ANTH 4	Cultural Anthropology	3.00
ECON 2	Principles of Macroeconomics	3.00
POS 18	International Relations	3.00
SOC 5	Our Sustainable Future	3.00
Select 1 course from the following:		4.00
CHIN 1	First Semester Chinese	4.00
CHIN 2	Second Semester Chinese	4.00
FREN 1	First Semester French	4.00
FREN 2	Second Semester French	4.00
GERM 1	First Semester German	4.00
GERM 2	Second Semester German	4.00
GERM 3	Third Semester German	4.00
GERM 4	Fourth Semester German	4.00
ITAL 1	First Semester Italian	4.00
ITAL 2	Second Semester Italian	4.00
JPN 1	First Semester Japanese	4.00
JPN 2	Second Semester Japanese	4.00
JPN 3	Third Semester Japanese	4.00
JPN 4	Fourth Semester Japanese	4.00
ASL 1	American Sign Language I	4.00
ASL 2	American Sign Language II	4.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00
Select 1 course from the following:		3.00
HIST 6	Modern World History	3.00
ANTH 18	World Cultures	3.00
Select 1 course from the following:		3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
ENGL 21	Mythology	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
PHIL 16	Western Religions	3.00
PHIL 18	Eastern Religions	3.00

Total: 29.00

Radio, TV, Film

Film, Television and Electronic Media (RTVF) - AS-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 35684.01AS-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the history, processes and current structure of electronic media, its ethical parameters, and the social and political effects of electronic and mass communication on an audience.
2. Write effectively for a variety of platforms appropriate to the discipline.
3. Gather, organize and analyze discipline-appropriate research and communicate information about it.
4. Identify and analyze legal and ethical principles relating to media.
5. Apply media technology, terminology and techniques to the design and creation of content for film, television, and electronic media.

Required courses:		18.00
Required Core		6.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
List A: 6 units		6.00
RTVF 30	Digital Audio Production	3.00
RTVF 40	Digital Video Production	3.00
List B: 3 units		3.00
ART 1	Art Appreciation	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 2H	Honors Prehistoric to Gothic Art History Survey	3.00
Select one:		3.00
ART 4	Renaissance to Contemporary Art History Survey	3.00
ART 4H	Honors Renaissance to Contemporary Art History Survey	3.00
DRAM 2	Theatre Arts Appreciation	3.00
JOUR 2	Introduction to Reporting and Newswriting	3.00
PHO 2	Introduction to Photography	3.00
List C: 3 units from any course not already used above		3.00
RTVF 13	Exploring Contemporary Television	3.00
RTVF 15	Introduction to Film	3.00
RTVF 55	Music Video Production	3.00

Total: 18.00

Mass Media Studies (RTVF) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: MASSMEDIA.CC

Completion of this certificate will introduce students to the study, writing and production of media content. Students choose the path most relevant to their career goals: the study of TV or film, and the production of audio or video.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the history, business models and new technologies of mass media in the United States.
2. Analyze the role and function of media ethics in commercial mass media.
3. Identify and address the technical and aesthetic issues related to creating and writing for electronic media.
4. Write and assemble audio or video productions for presentation to an audience.

Required courses:		12.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
Select one:		3.00
RTVF 13	Exploring Contemporary Television	3.00
RTVF 15	Introduction to Film	3.00
Select one:		3.00
RTVF 30	Digital Audio Production	3.00
RTVF 40	Digital Video Production	3.00

Total: 12.00

Radio-TV-Film: Video Production (RTVF) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 07474.01AS

To develop the media skills needed for a career, students will have access to a professional video production studio, digital video editing systems, and an audio production facility. Butte students can develop excellent skills in as little as one year of training. Many RTVF courses at Butte College will provide a basis for various media majors at other colleges and universities.

The world of electronic communication is exploding across the country from the smallest elementary classroom to international corporations and government agencies, creating careers in computers, satellite teleconferencing, the Internet, interactive video games, digital audio and video production.Media related industries continue to be one of the fastest growing segments of the job market. As computer and video technologies continue to expand there will be an ever-increasing demand for skilled workers at all levels of production and application.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
2. Demonstrate expert and safe use of hardware and software while creating audio/video productions.
3. Discuss, analyze and write about audio/video productions.
4. Organize and assemble audio/video productions for presentation to an audience.

Required courses:		21.00
RTVF 30	Digital Audio Production	3.00
RTVF 12	Mass Media and Society	3.00
RTVF 40	Digital Video Production	3.00
RTVF 14	Introduction to Media Writing	3.00
MSP 74	Multimedia Production I	3.00
RTVF 55	Music Video Production	3.00
MSP 10	Digital Video Design and Production	3.00

Total: 21.00

Radio-TV-Film: Video Production (RTVF) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 07471.00CA
See AS degree in Radio-TV-Film: Video Production.
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
2. Demonstrate expert and safe use of hardware and software while creating audio/video productions.
3. Discuss, analyze and write about audio/video productions.
4. Organize and assemble audio/video productions for presentation to an audience.

Required courses:		21.00
RTVF 30	Digital Audio Production	3.00
RTVF 12	Mass Media and Society	3.00
RTVF 40	Digital Video Production	3.00
RTVF 14	Introduction to Media Writing	3.00
MSP 74	Multimedia Production I	3.00
RTVF 55	Music Video Production	3.00
MSP 10	Digital Video Design and Production	3.00

Total: 21.00

Single Camera Video Production (RTVF) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: SINGLECAMVIDPROD.CC
Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Apply basic videography skills to compose and record footage suitable for editing and digital manipulation.
2. Use computer software to edit a complete video project including title and soundtrack.
3. Select and edit audio sound effects and music for a video production.
4. Upload a video project to an Internet video sharing site for on-line distribution.
5. Evaluate a video production based on the target audience's interests, needs and viewing habits.

Required courses:		9.00
MSP 10	Digital Video Design and Production	3.00

RTVF 30	Digital Audio Production	3.00
RTVF 40	Digital Video Production	3.00

Total: 9.00

Real Estate

Real Estate (RLS) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01312.00AS

The Real Estate program is designed with two broad objectives. The first is to prepare beginning students for entry into the real estate field, and the second objective is to upgrade the knowledge and skills of real estate professionals.

Three options of study are offered: a one-year program leading to a Certificate of Achievement; a two-year program leading to an Associate Degree; and certificate programs helpful for students preparing for the California salesperson licensing exam and those considering careers as real estate appraisers. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions. The successful real estate professional is a person who relates well with people and is a self-starter.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A license is required of all real estate salespeople. In addition, a salesperson must work under the supervision of a licensed broker.

Minimum requirements to apply for the Salesperson Examination are: Age: 18 or older; Education: Evidence of successful completion of nine units of college level courses in Real Estate Principles, Practices, and one elective is required. Honesty: A felony conviction may result in the denial of a license. To qualify to take the State Examination for a broker's license a total of eight courses are required.

Student interested in careers in Real Estate should ensure that they check relevant websites for information about licensing requirements: the California Department of Real Estate (www.dre.ca.gov) and the California Office of Real Estate Appraisers (www.orea.ca.gov)

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and explain real estate concepts and principles.
2. Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
3. Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses:		39.00-40.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 50	Sales Strategies	3.00
RLS 30	Legal Aspects of Real Estate	3.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 40	Real Estate Finance	3.00
RLS 50	Escrow Procedures	3.00
RLS 55	Property Management	3.00
RLS 60	Real Estate Mortgage Brokerage	3.00
Select one:		3.00-4.00
ACCT 20	Introduction to Accounting	3.00
ACCT 2	Financial Accounting	4.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
CSCI 2	Business and Computer Information Systems	3.00
Select one:		3.00
RLS 45	Real Estate Economics	3.00
ECON 2	Principles of Macroeconomics	3.00

Total: 39.00-40.00

Real Estate (RLS) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01312.00CA

See AS Degree in Real Estate.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify and explain real estate concepts and principles.
2. Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
3. Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses:		24.00-25.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
BUS 35	Leading and Supervising Teams	3.00
Select one:		3.00
RLS 40	Real Estate Finance	3.00
RLS 45	Real Estate Economics	3.00
BUS 50	Sales Strategies	3.00
RLS 30	Legal Aspects of Real Estate	3.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
CSCI 2	Business and Computer Information Systems	3.00
Select one:		3.00-4.00
ACCT 2	Financial Accounting	4.00
ACCT 20	Introduction to Accounting	3.00

Total: 24.00-25.00

Real Estate Appraisal (RLS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: REALESTATEAPP.CC

The certificate in Real Estate Appraisal is helpful for students considering careers as real estate appraisers. However, to obtain an appraiser's license, a bachelor degree is required. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A real estate appraiser is authorized to estimate the value of residential and/or commercial property using various tools and techniques. To become a licensed real estate appraiser, students are required to hold a bachelor degree in addition to appraisal coursework and experience.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the purpose, steps and outcomes of the appraisal process.
2. Utilize each of the traditional approaches (sales comparison, cost and income) to estimate market value for a particular residential property.
3. Prepare an appraisal report for a particular residential property utilizing the Uniform Residential Appraisal Report (URAR) format.
4. Identify and describe fundamental real estate concepts and principles.

Required courses:		15.00
RLS 20	Real Estate Principles	3.00
Select one:		3.00
RLS 30	Legal Aspects of Real Estate	3.00
BUS 8	Introduction to Business Law	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 45	Real Estate Economics	3.00
RLS 55	Property Management	3.00

Total: 15.00

Real Estate Sales (RLS) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: REALESTATESALES.CC

The certificate in Real Estate Sales is helpful for students preparing for the California salesperson licensing exam. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A license is required of all real estate salespeople. Real estate sales persons are responsible for the sale of land and property, who conduct real estate activities

under the supervision of a license real estate broker.

Minimum requirements to apply for the Salesperson Examination are: Age: 18 or older; Education: Evidence of successful completion of nine units of college level courses in Real Estate Principles, Practices, and one elective is required. Honesty: A felony conviction may result in the denial of a license.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Prepare sales listings and sales contracts.
2. Explain the process of transferring ownership of real estate including escrow procedure and legal documentation required.
3. Identify and describe fundamental real estate concepts and principles.
4. Explain the appraisal process and its impact on closing real estate transactions.

Required courses:		15.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 45	Real Estate Economics	3.00
RLS 50	Escrow Procedures	3.00

Total: 15.00

Respiratory Care

Respiratory Care (RT) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01342.00AS

The Butte College Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) (www.coarc.com).

Commission on Accreditation for Respiratory Care
264 Precision Blvd.
Telford, TN 37690
(631) 912-7920

The Respiratory Care program is designed to prepare students to become licensed Respiratory Care Practitioners in the state of California. In addition, the program prepares the successful graduate to participate in the Registered Respiratory Therapist (RRT) examinations administered by the National Board for Respiratory Care (NBRC).

Respiratory care practitioners are highly skilled allied health professionals involved in the therapy, management, rehabilitation, diagnostic evaluation and care of patients with deficiencies and abnormalities that affect the cardiopulmonary system. They are employed in a variety of health care settings, including hospitals, physician's offices, home health agencies, specialized care hospitals, medical equipment supply companies, diagnostic laboratories, and patients' homes. They may further specialize in such areas as adult critical care, neonatal or pediatric intensive care, pulmonary function testing, transport medicine, hyperbaric medicine, home care, management or education.

Graduates practicing in California are required to take a state licensure examination. *Note: A person convicted of any offense other than a minor traffic violation may not qualify to be licensed as a Respiratory Care Practitioner in California. Questions regarding this should be directed to the Respiratory Care Program Director.

Admission to the Program
Requirements for Admission: Age 17 years or older and all prerequisites completed (with a 'C' grade or better).

Prior to being officially admitted to the program students must pass a background check, drug screening, and physical exam, and verify their physical ability to perform the tasks required of a Respiratory Therapist.

Students are admitted by application only. Contact the Health Occupations office or visit www.butte.edu/healthoccupations for application dates and materials. Admission to the program is based on academic and general requirements. In the event that there are more qualified applicants than spaces in the program, a computerized lottery will be used to select the individuals to be enrolled.

Estimated expenses average about $6,000 - $7,000 for the entire program, including licensure. Financial aid may be available to qualified students.

Important Note: All courses, including major, prerequisites, General Education and Competencies, used to fulfill a requirement for this degree must be completed with a C grade or better.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate a solid professional and general medical knowledge base.
2. Accurately interpret pertinent clinical information from medical records and physical findings.
3. Recommend appropriate therapeutic interventions based on physiological data and patient assessment data.
4. Demonstrate sound clinical judgment and is proficient in the clinical skills required on the job.

5. Competently perform the therapeutic procedures and modalities, and diagnostic procedures required on the job.
6. Demonstrate efficient performance of an overall patient assessment.
7. Demonstrate effective oral and communication skills.
8. Exhibit ethical and professional manners, including timely and prepared entrance to clinic and contributing to a positive work environment.
9. Function effectively as a member of the health care team, accepts supervision and works effectively with supervisory personnel.
10. Demonstrate self-direction and responsibility for his/her own actions.
11. Display respect for beliefs and values of all persons regardless of cultural background, religion, age, or lifestyle.

Required courses:		93.00-94.00
Prerequsites for admission to the program		22.00
CHEM 51	Elementary Inorganic Chemistry	5.00
(Chem 110 and CHEM 11 will be accepted by the program until Fall of 2022)		
BIOL 15	Introduction to Microbiology	5.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
Math Competency		4.00

Additional courses required for completion of the program

The following courses may be taken prior to or during the program will significantly reduce the student's workload while in the program.		17.00-18.00
PSY 1	Principles of Psychology	3.00
ALH 6	The Critical Six Soft Skills in the Professional Healthcare Environment	3.00
GE Requirement - Area C: 3 units		3.00
KIN Activity Courses: 2 courses		2.00
Select one:		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00

Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
CMST 10	Interpersonal Communication	3.00

Program Sequence		54.00
RT 110	Fundamentals of Respiratory Care	7.00
RT 115	Clinical Preparation for Respiratory Care	0.50
RT 118	Respiratory Care Pharmacology	3.00
RT 120	Concepts in Respiratory Care	7.00
RT 125	Introduction to Clinical Respiratory Care	5.00
RT 135	Fundamentals of Clinical Respiratory Care	3.50
RT 140	Fundamentals of Intensive Respiratory Care	6.00
RT 142	Neonatal and Pediatric Respiratory Care	3.00
RT 145	Advanced Respiratory Care Procedures	5.00
RT 155	Respiratory Care Practicum I	2.00
RT 160	Respiratory Care Seminar II	4.00
RT 165	Respiratory Care Practicum II	8.00

Total: 93.00-94.00

Respiratory Care (RT) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01342.00CA

See AS Degree in Respiratory Care.

Important Note: All courses, including major, prerequisites, General Education and Competencies, used to fulfill a requirement for this degree must be completed with a C grade or better.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Demonstrate a solid professional and general medical knowledge base.
2. Accurately interpret pertinent clinical information from medical records and physical findings.
3. Recommend appropriate therapeutic interventions based on physiological data and patient assessment data.
4. Demonstrate sound clinical judgment and is proficient in the clinical skills required on the job.
5. Competently perform the therapeutic procedures and modalities, and diagnostic procedures required on the job.
6. Demonstrate efficient performance of an overall patient assessment.
7. Demonstrate effective oral and communication skills.
8. Exhibit ethical and professional manners, including timely and prepared entrance to clinic and contributing to a positive work environment.
9. Function effectively as a member of the health care team, accepts supervision and works effectively with supervisory personnel.
10. Demonstrate self-direction and responsibility for his/her own actions.

11. Display respect for beliefs and values of all persons regardless of cultural background, religion, age, or lifestyle.

Required courses:		93.00-94.00
Prerequisites Prior to Admission		22.00
CHEM 51	Elementary Inorganic Chemistry	5.00
(CHEM 110 and CHEM 11 will be accepted by the program until Fall 2022)		
MATH Competency		4.00
BIOL 15	Introduction to Microbiology	5.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00

Additional courses required for completion of the program

The following courses may be taken prior to or during the program will significantly reduce the student's workload while in the program		17.00-18.00
PSY 1	Principles of Psychology	3.00
ALH 6	The Critical Six Soft Skills in the Professional Healthcare Environment	3.00
English Composition: Select one		3.00-4.00
ENGL 2	Reading and Composition	3.00
ENGL 3	Reading and Composition Intensive	4.00
Select one:		3.00
CMST 2	Public Speaking	3.00
CMST 2H	Honors Public Speaking	3.00
CMST 4	Small Group Communication	3.00
CMST 10	Interpersonal Communication	3.00
GE Requirement - Area C: 3 units		3.00
KIN Activity Courses: 2 courses		2.00
Program Sequence		54.00
RT 110	Fundamentals of Respiratory Care	7.00
RT 115	Clinical Preparation for Respiratory Care	0.50
RT 118	Respiratory Care Pharmacology	3.00
RT 120	Concepts in Respiratory Care	7.00
RT 125	Introduction to Clinical Respiratory Care	5.00
RT 135	Fundamentals of Clinical Respiratory Care	3.50
RT 140	Fundamentals of Intensive Respiratory Care	6.00
RT 142	Neonatal and Pediatric Respiratory Care	3.00
RT 145	Advanced Respiratory Care Procedures	5.00
RT 155	Respiratory Care Practicum I	2.00
RT 160	Respiratory Care Seminar II	4.00
RT 165	Respiratory Care Practicum II	8.00

Total: 93.00-94.00

Sociology

Sociology (SOC) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 31954.01AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Describe the major concepts, perspectives, research methods, and historic trends in sociology.
2. Identify and analyze contemporary social problems and issues of gender, race, ethnicity, and social inequality using qualitative and quantitative information.

Required courses:		19.00
Required Core		10.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00
Select one:		4.00
MATH 18	Introduction to Statistics	4.00
MATH 17	Investigative Introductory Statistics	4.00
List A: Select two		6.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00

SOC 14	Sociology of Gender	3.00
SOC 20	Introduction to Race and Ethnicity	3.00
SOC 10	Introduction to Crime and Society	3.00

List B: Select one or any course from List A not already used		3.00
SOC 5	Our Sustainable Future	3.00

Total: 19.00

Social and Behavioral Science (SOC) - AA Degree, Transfer Major

About the Program

Program Goal: Local (community need)
GE Pattern(s): Butte Local
Program Code: 01363.00AA

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org. If you are intersted in this program please see a counselor.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify major theoretical orientations in the social and behavioral sciences and describe basic concepts regarding human behavior and thought.
2. Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies.
3. Apply discipline-specific principles to the development of interpersonal, occupational, and social skills suited to a diverse world.

Required courses:		18.00
Take 18 units from the following:		18.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 7	Report Writing for Law Enforcement Officers	2.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 13	Organized Crime/Gangs	3.00
AJ 14	Community Oriented Policing	3.00
AJLE 1	Crisis Intervention Training	2.00
ANTH 4	Cultural Anthropology	3.00
ANTH 13	Magic, Witchcraft and Religion	3.00
ANTH 14	Language and Culture	3.00
ANTH 16	Archaeology and Ancient Societies	3.00
ANTH 18	World Cultures	3.00
ANTH 32	Native Americans	3.00
ANTH 33	Ancient Mesoamerica	3.00
ANTH 34	Native Americans Today	3.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 57	Teaching in a Diverse Society	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
ECON 20	Economic History of the U.S.	3.00
ECON 25	Introduction to Economics	3.00
ECON 35	Introduction to Environmental Economics	3.00
GEOG 4	Cultural Geography	3.00
GEOG 8	World Regional Geography	3.00
GEOG 10	Geography of California	3.00
GEOG 12	The American West	3.00
HIST 3	World History to 1500	3.00
HIST 5	World History Since 1500	3.00
HIST 6	Modern World History	3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 18	Multicultural History of the United States	3.00
HIST 20	Political History of the Middle East	3.00
HIST 26	Men and Women in American History	3.00
HIST 30	History of the African American	3.00
MCGS 32	Introduction to African American Studies	3.00
MCGS 36	Introduction to Chicano American Studies	3.00
MCGS 38	Introduction to Asian American Studies	3.00
PHIL 2	Introduction to Philosophy	3.00
PHIL 6	Intro To Logic & Critical Thinking	3.00
PHIL 8	Methods of Argument	3.00
PHIL 16	Western Religions	3.00
PHIL 18	Eastern Religions	3.00
PSY 1	Principles of Psychology	3.00
PSY 6	Abnormal Psychology	3.00
PSY 10	Peace and Global Studies Capstone	1.00
PSY 11	Peace Psychology	3.00
PSY 15	Lifespan Psychology	3.00
PSY 16	Psychology of Women	3.00
PSY 20		

Personal and Social Growth and Wellness		3.00
PSY 24	Psychology of Sleep, Dreams and Archetypes	3.00
PSY 34	Eastern Psychology: Traditions and Practices	3.00
PSY 41	Socio-Cultural Context of Psychological Development	3.00
POS 2	United States Government	3.00
POS 3	Comparative Politics	3.00
POS 12	California State and Local Government	3.00
POS 16	Vital Political Problems	3.00
POS 18	International Relations	3.00
POS 92	Exploring Leadership	3.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00
SOC 5	Our Sustainable Future	3.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
SOC 14	Sociology of Gender	3.00
SOC 30	Sociology of Inequality	3.00
SOC 55	Sustainability Studies Seminar	2.00

Total: 18.00

Sustainability Studies (SOC) - Certificate

About the Program

Program Goal: Local (community need)
GE Pattern(s): None
Program Code: SUSTAINABILITY.CC

The Sustainability Studies Certificate program is designed to broaden and deepen students' understanding of the interconnected nature of the comprehensive social, economic, and environmental transformations of the 21st Century. This course of study will provide students with an interdisciplinary body of knowledge that focuses on the problems human civilization faces as well as the solutions and strategies that will lay the groundwork for a sustainable future. Students will develop leadership skills that inspire cooperation and mutual respect, and facilitiate innovative, durable, and sustainable pathways for social and personal change, economic security and prosperity, and environmental restoration.

Students who complete the Sustainability Studies Certificate program will be well preparared to make sound career and lifestyle choices that support and promote a satisfying and sustainable world for all living beings - now and into the indefinite future. The Certificate in Sustainability Studies will increase the marketability of students who go directly into the workforce, and will enrich the knowledge set of students who continue their education in sustainability related fields at the university level and beyond.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Identify how current social, economic, and environmental problems affect their individual lives, the lives of people in other parts of the world, and the lives of future generations.
2. Define sustainability, evaluate the sustainability of particular systems and practices, and analyze the political and cultural challenges of sustainability implementation.
3. Recognize the fundamental impacts of humans, including commerce and attitudes, on the earth's systems.
4. Evaluate the interdependencies and long-term thinking necessary to grow the world economy while also protecting environmental resources.
5. Utilize critical thinking to develop a point of view regarding the problems and potential solutions for providing adequate yields of nutrient dense food and potable water for a growing global population, both in developing and developed countries.
6. Discuss and write about the ways in which fields such as environmental ethics, ecology, sociology, technology and others interconnect in Sustainability Studies.
7. Develop ideas to create common ground and promote the principles of sustainability to diverse groups of people.
8. Develop a knowledge base to enable them to choose lifestyles and careers that will promote sustainable principles.

Required courses:		11.00
SOC 5	Our Sustainable Future	3.00
ECON 35	Introduction to Environmental Economics	3.00
BIOL 7	Sustaining Life on Earth	3.00
SOC 55	Sustainability Studies Seminar	2.00
Select one:		3.00
PSY 11	Peace Psychology	3.00
AGS 10	World Food and Hunger Issues	3.00

Total: 14.00

Spanish

Spanish (SPAN) - AA-T Degree, Transfer Major

About the Program

Program Goal: Transfer (ADTs and CSU-GEB/IGETC certificates only)
GE Pattern(s): CSU, IGETC
Program Code: 35887.00AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the “Academic Programs” section for details.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Converse and write in Spanish at the intermediate level with effective use of grammar, vocabulary, comprehensible pronunciation, and syntax on a range of topics such as personal and family lives, school or work, and current events.
2. Read and understand authentic texts in Spanish such as letters, essays, newspaper articles, poems, and/ or short stories.
3. Demonstrate knowledge and understanding of the linguistic, literary, and cultural elements (such as general knowledge of the social, political, and economic conditions and contributions) of the Spanish speaking world.

Required courses:		16.00
Required Core		16.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00

List A: Select one		3.00
SPAN 14	Hispanic Short Stories	3.00
SPAN 16	Hispanic Film	3.00

Total: 19.00

Special Education Training

Special Education for Instructional Service Agreement Instructors (SPED) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: SPEINSTRSERVAGREE.CC

The Certificate of Training in Special Education for Instructional Service Agreement Instructors and required years of experience will qualify students to become Instructional Serve Agreement Instructors in agencies that serve adults with sdisabilities. Program contents emphasize strategies for instruction, authentic, real-world assessments, recognition of learning challenges, and legislation governing both agency programs and college programs meant for adults with disabilities.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Ensure successful students can implement authentic assessment measures.
2. Enhance student abilities to determine learning styles and recognize leaning challenges.
3. Train students in delivering multiple instructional strategies.
4. Develop students' knowledge about Special Education legislation and documentation.

Required courses:		7.00
SPED 100	Special Education Regulations in the Workplace	2.00
SPED 101	Teaching Adults with Disabilities	2.00
SPED 102	Teaching Adults with Disabilities Practicum	3.00

Total: 7.00

Welding

PowerPathway Gas Pipeline Welding (WLD) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: POWERPATHWAY.CC

This program enhances the abilities of the students preparing for a career in the power generation and petrochemical pipe and tube welding industry by teaching them the skills that are needed for the industry. Students who have completed the Welding Technology Program and have been working in industry for a few years are coming back to take this program for career advancement and some are using this course as a method of continuing their education and advance their welding skills. The powerpathway specifically trains welders for potential apprentice welding positions within Pacific Gas and Electric.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Setup and safely operate welding equipment.
2. Layout, cut, prepare, and weld various pipe joint designs.
3. Apply qualification procedures of the API and ASME for certification.

Required courses:		7.00
WLD 55	Power Generation and Petroleum Chemical Pipe & Tube Welding	5.00
WLD 158	Shop Practices for Pipe and Tube Welders	1.00
WLD 162	Pipe and Tube Welding Certification Practices	1.00

Total: 7.00

Welding Technology (WLD) - AS Degree, Career/Technical Program

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): Butte Local
Program Code: 01325.00AS

The Welding Technology program is designed to prepare students to become certified welders under standards set by the American Welding Society, American Society of Mechanical Engineers and American Petroleum Institute. Certification examinations may be taken after completion of the courses.

To be successful in this program, students need basic competence in mathematics, must possess good eyesight at least with corrective lenses, sufficient physical stamina to be able to stand and bend for long periods, and not to be bothered by extended exposure to the outdoors.

Students who are still enrolled in high school and who are considering a career as an industrial welder are encouraged to take courses in mathematics, industrial education, and welding. Courses in physical sciences and physics would enhance a student's knowledge and broaden one's experiences.

The objective of this program is to teach students to read and follow blueprints and plans, lay out jobs to be done, cut and bend materials, operate an oxy-acetylene torch, shielded metal arc, flux core arc, and do mig and tig welding, and certify in the above processes.

For certified welders employment opportunities are virtually unlimited. High-paying jobs are open in both heavy and light industry throughout California as well as the nation and the world. As far as can be seen in the future, the job market for certified welders will be excellent.

Admission to the Program
The Welding Technology program is a two-semester program and only starts in the Fall Semester. The prerequisites to the program are completion of WLD 20 and WLD 21. We accept 50 students, the program is currently impacted. If you are interested in this program, please contact Miles Peacock at (530) 879-6162 or email at peacockmi@butte.edu, to start the process and paperwork that is required by the Welding Department. Please visit the Welding Technology Departments home page http://www.butte.edu/departments/careertech/welding/weldingapplication.html. Estimated expenses average about $5,200 - $6,200 for the entire program. This includes tools, books, tuition, and welding qualification documentation (if you pass the welding certification test). Financial aid is available to qualified students. Those students who complete the program can receive a Certificate in Welding Technology Level I, a Certificate in Welding Technology Level II, a Certificate in Welding Technology Level III, and a Certificate of Achievement and may elect to earn an Associate's degree in Welding Technology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Setup and safely operate welding equipment.
2. Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
3. Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

Required courses:		54.00
Upon completion of the following courses the student will be prepared to take the Welder Certification test		
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 25	Fabrication Practicums	2.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
WLD 28	Mig and Tig Arc Welding	3.00
WLD 30	Heavy Plate Welding	3.00
WLD 32	Integrated Welding Applications	3.00
WLD 34	Pipe and Tube Welding	4.00
WLD 36	Welder Qualification	3.00
WLD 40	Welding Equipment Maintenance and Service	2.00
WLD 42	Introduction to Welding Inspection	2.00
WLD 50	Pipe Fitting and Cutting	2.00
WLD 56	Welding Industry Employment Preparation	3.00
WLD 154	Shop Practices for Welders I	1.00
WLD 156	Shop Practices for Welders II	1.00
WLD 160	Welding Certification Practices	1.00
BUS 25	Introduction to Entrepreneurship	3.00
AB 54	Supervision and Management in Agriculture	3.00
WLD 99	Work Experience-WLD	2.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
CSCI 2	Business and Computer Information Systems	3.00

Total: 54.00

Welding Technology (WLD) - Certificate of Achievement

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: 01325.00CA

See AS Degree in Welding Technology.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Setup and safely operate welding equipment.
2. Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
3. Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

Required courses:		43.00
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 25	Fabrication Practicums	2.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
WLD 28	Mig and Tig Arc Welding	3.00
WLD 30	Heavy Plate Welding	3.00
WLD 32	Integrated Welding Applications	3.00
WLD 34	Pipe and Tube Welding	4.00
WLD 36	Welder Qualification	3.00
WLD 40	Welding Equipment Maintenance and Service	2.00
WLD 42	Introduction to Welding Inspection	2.00
WLD 50	Pipe Fitting and Cutting	2.00
WLD 56	Welding Industry Employment Preparation	3.00
WLD 154	Shop Practices for Welders I	1.00
WLD 156	Shop Practices for Welders II	1.00
WLD 160	Welding Certification Practices	1.00

Total: 43.00

Welding Technology Level I (WLD) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: WELDINGLEVELI.CC

This program enhances the abilities of the students preparing for a career in welding technology by giving them: Welding Safety, Oxyfuel Cutting, Plasma Arc Cutting, Air Carbon Arc Cutting and Gouging, Base Metal Preparation, Weld Quality, SMAW Equipment and Safety, Shielded Metal Arc Electrodes, SMAW Beads and Fillet Welds, Joint Fit-Up and Alignment, SMAW Groove Welds and Backing, and SMAW Open V-Groove Welds.

Welding is a high-tech industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers.

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Setup and safely operate welding equipment.
2. Operate the SMAW units to weld in the flat, horizontal, vertical, and overhead positions.
3. Demonstrate proper welding process of groove welds (with backing and open) per qualification procedures set by the AWS.

Required courses:		9.00
WLD 20	Beginning Welding	4.00
WLD 21	Intermediate Welding	4.00
WLD 152	Shop Practices for Intermediate Welders	1.00

Total: 9.00

Welding Technology Level II (WLD) - Certificate

About the Program

Program Goal: CTE (all non-ADT awards with CTE TOP-Codes)
GE Pattern(s): None
Program Code: WELDINGLEVELII.CC

This program enhances the abilities of the students preparing for a career in welding technology by giving them: Welding Symbols, Reading Welding Detail Drawings, Physical Characteristics and Mechanical Properties of Metals, Preheating and Postheating of Metals, GMAW and FCAW Equipment and Filler Metals, GMAW and FCAW Plate, GTAW Equipment and Filler Metal, and GTAW Plate. Welding is a high-tech industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry.Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers. This certificate will be earned by the student through the completion of the first semester of welding course.

Admission to the Program
Completion of Certificate in Welding Level I

Program Learning Outcome(s):
Upon successful completion of the program, the student will be able to:

1. Setup and safely operate welding equipment.
2. Demonstrate proper use of the OAW and SMAW processes in all positions.
3. Demonstrate proper base metal, beads and fillet welds qualification procedures per requirements set by the AWS.
4. Interpret welding symbols on a variety of layouts and working drawings.

Required courses:		14.00
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
Shop practices:		1.00
WLD 154	Shop Practices for Welders I	1.00-2.00

Total: 14.00

Courses

AB-Agriculture Business

AB-15 Agricultural Communication and Sales (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
The study of principles and practices of the selling process: selling strategies and approaches, why and how people buy, prospecting, territory management, and customer service. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. Students will gain experience through role-play, formal sales presentations, and job shadowing. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. Application of these concepts and methods will be through hands-on projects developing solutions for agriculture business. (C-ID AG-AB 112) (Students will evaluate the specific skill set needed to sell and communicate in the nuanced agriculture industry.) (Regular Graded) Effective: 2021 Fall Semester

AB-20 Careers in Agriculture, Environmental Science and Natural Resources (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a study of the agriculture, environmental science and natural resources industries with a focus on career opportunities, self evaluation, and skills necessary for successful job procurement. Topics include job trends, resumes and cover letters, interviewing skills, and the types of careers available in agriculture, environmental science, and natural resources. (Regular Graded) Effective: 2007 Fall Semester

AB-22 Agricultural Economics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course covers the place of agriculture and farming in the economic system. Topics include basic economic concepts, problems of agriculture, pricing and marketing problems, factors of production, and state and federal farm programs that affect the farmer's economic position. (C-ID AG-AB 124). (Regular Graded) Effective: 2021 Fall Semester

AB-25 Computer Applications in Agriculture (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers computer use in the workplace with emphasis on agribusiness situations. Computer applications including word-processing, spreadsheets, databases, and presentation managers will be covered. Also included will be accessing information through the Internet and World Wide Web, telecommunications, an introduction to web page design and other software appropriate to agribusiness. Application of these concepts and methods through hands-on projects developing computer-based solutions for agriculture business. (C-ID AG-AB 108). (Regular Graded) Effective: 2007 Fall Semester

AB-26 Introduction to Agriculture Business (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides students with a basic understanding of the business and economics of the agricultural industry; 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. (C-ID AG-AB 104). (Regular Graded) Effective: 2007 Fall Semester

AB-50 Agricultural Accounting (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a 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. (C-ID AG-AB 128). (Regular Graded) Effective: 2002 Fall Semester

AB-54 Supervision and Management in Agriculture (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the knowledge and skills relevant to the supervisor in agricultural business. Topics include the regulatory requirements relevant to labor management in agriculture and effective communication with native and non-native English speakers. The course will include case studies on labor management, human relations, public relations, production control techniques and job analysis. (Regular Graded) Effective: 2014 Fall Semester

ACCT-Accounting

ACCT-2 Financial Accounting (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. (C-ID ACCT 110) (Regular Graded) Effective: 2019 Spring Semester

ACCT-4 Managerial Accounting (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ACCT 2
Transfer Status: Transferable to both UC and CSU.
This course provides students an in depth study of how managers use accounting information in decision-making, planning, directing operations and controlling. It focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (C-ID ACCT 120). (Regular Graded) Effective: 2019 Spring Semester

ACCT-20 Introduction to Accounting (3.00)

Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introductory accounting course designed for students with little or no prior training in accounting. Topics span the accounting cycle including analysis of business transactions, journalizing, posting, and preparation of financial statements using a hands-on approach. The course prepares students for entry level accounting careers, further study of accounting principles, or to help small business owners manage their own accounting records. (Regular Graded) Effective: 2013 Spring Semester

ACCT-30 Accounting Capstone (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ACCT 4; ACCT 110; ACCT 100
Transfer Status: Transferable to CSU only.
This course is intended to be taken in one of the final two semesters of the accounting program to consolidate training of students who are entering the accounting workforce. The course involves substantial accounting simulations where students apply the accounting cycle, prepare supporting work-papers, create budgets and variance analysis, and synthesize their accounting skills. This course will assist students in preparing for the American Institute of Professional Bookkeepers' certification exam. (Students are required to create substantial accounting simulations which include knowledge obtained from prior courses, problem solving, analysis of transactions, accounts, reporting, and writing. These simulations are created to review and challenge the knowledge of the student and are based on real world work examples to prepare the student for entry into the field of accounting.) (Regular Graded) Effective: 2019 Spring Semester

ACCT-97 Special Problems-ACCT (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ACCT-99 Work Experience-ACCT (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

ACCT-100 QuickBooks Pro-Computerized Accounting (2.00)
Hours: 34.00 Lecture. 17.00 Laboratory.
Requisite(s): Completion with a C or better in: ACCT 2 or ACCT 20
Transfer Status: Not transferable
This course provides a transition from a manual accounting system to a typical computerized system. The objective is to collect, summarize and communicate information to decision makers and users via QuickBooks Pro accounting software. Microsoft Excel will be utilized for data summation. Typical documents produced consist of purchase orders, checks, invoices, deposit slips, job cost reports, financial statements, bank reconciliations, payroll tax returns and 1099 forms. (Regular Graded) Effective: 2013 Spring Semester

ACCT-105 Income Tax Preparation (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
This course is a study of the Federal and California income tax laws that apply to taxpayers, the application of the laws by computation of various practical problems and the completion of forms required by the Internal Revenue Service and the California State Franchise Tax Board. The requirements for becoming a licensed tax preparer and the rules and regulations governing licensed tax preparers are reviewed. This course is primarily designed for the vocational student. It will orient the student toward working with tax problems in an accounting office, a financial institution, an enrolled agent's office, the Internal Revenue Service, the California State Franchise Tax Board, a state licensed tax preparers' office or in their own office. (Regular Graded) Effective: 2003 Fall Semester

ACCT-110 Accounting for Payroll (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course introduces students to the payroll function and the necessary record keeping needed to comply with California and federal laws and regulations. Both manual and computer applications are included. (Regular Graded) Effective: 2013 Spring Semester

ACCT-128 Small Business Accounting (2.00)
Hours: 25.50 Lecture. 25.50 Laboratory.
Transfer Status: Not transferable
This course is an overview of basic bookkeeping methods from a small business perspective. Topics discussed will include debits, credits, journal entries, petty cash, accounts receivable, accounts payable, trial balance, income statement, and the balance sheet for a service business. Students will also be introduced to the basic functions of QuickBooks. Emphasis will be on providing answers to questions commonly asked by small business owners. (Regular Graded) Effective: 2007 Fall Semester

AET-Ag Engineering Technology

AET-22 Natural Resources and Agri-Construction (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the selection and use of farm structural and mechanical equipment. It will cover farm wiring, carpentry, concrete, masonry, plumbing, painting and metal work with emphasis on the actual practices used in agricultural construction. (Regular Graded) Effective: 2015 Spring Semester

AET-26 Basic Surveying (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.

This is a basic surveying course. Topics will include selection, care and use of tapes and levels; field observations, note taking and office computations; use of surveying instruments and equipment for land measurement and mapping; practice in differential, profile, and contour leveling; building foundation layout; horizontal angles; cut and fill measurements and calculations for land grading. Laser and Global Positioning System (GPS) technology will be introduced at the basic level. (Regular Graded) Effective: 2008 Fall Semester

AET-30 Tractors and Crawlers (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers design principles, selection, maintenance, adjustment, and safe operation of wheel and crawler type tractors used in agriculture and in the construction industry. (C-ID AG-MA 108L). (Regular Graded) Effective: 2008 Fall Semester

AET-34 Farm Machinery (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course involves the design principles, uses, maintenance, adjustment, calibration, and repair of machinery used in California agriculture. Emphasis is placed on primary and secondary tillage, planting, chemical application, and harvesting equipment. Selection and operation of both machinery and tractors will be practiced. Safety will be stressed throughout. (Regular Graded) Effective: 2008 Fall Semester

AET-35 Heavy Equipment Methods (3.00)
Hours: 51.00 Lecture.
Requisite(s): Concurrent enrollment or completion with a C or better in: AET 36
Transfer Status: Transferable to CSU only.
This course will examine construction regulations, erosion control, drainage, environmental mitigations, soils and aggregates, technical report writing, interpreting blueprints and site plans, applied mathematical calculations, management skills, fleet management practices, project organization, and entrepreneurship. (Regular Graded) Effective: 2007 Fall Semester

AET-36 Heavy Equipment Operation (6.00)
Hours: 34.00 Lecture. 204.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course covers selection, operation, service, and adjustment of heavy equipment used in agriculture and construction industries. Also covered are measurement and techniques used in preparing roads, building sites, and other projects as may be required in the field using heavy equipment. (Regular Graded) Effective: 2013 Fall Semester

AET-38 Diesel Engines and Machine Systems (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course presents the theory, operating principles, application, component parts, support systems, maintenance, adjustment, and repair of Diesel engines and related systems used on modern trucks and heavy equipment used in the construction and agricultural industries. The related systems include electrical, power train, hydraulic, and Heating, Ventilating, and Air Conditioning (HVAC) systems. (Regular Graded) Effective: 2011 Fall Semester

AET-43 Hydraulic and Pneumatic Systems (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the theory, operating principles, application, graphical symbols, component parts, systems, maintenance, adjustment, and repair of hydraulic and pneumatic systems used on modern trucks and heavy equipment used in the construction and agricultural industries. (Regular Graded) Effective: 2007 Fall Semester

AET-44 Grade Setting (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course will cover reading site plans, interpreting grade stakes, and setting grades to ensure that earth-moving work meets specifications, using both manual and Global Positioning Systems (GPS) methods. (The students will be doing a lot of analysis of plan reading and then utilize critical thinking skills to transfer the analysis to and actual stake reading that will give the desired results) (Regular Graded) Effective: 2015 Spring Semester

AET-55 Advanced Specialized Equipment Operation (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course covers specialized equipment and adverse jobsite conditions that are encountered in utility line clearance work. Coursework will prepare students for the job site and equipment safety practices and procedures, equipment selection, equipment pre-operation and adjustment, and operation of equipment in normal and adverse conditions. (Regular Graded) Effective: 2021 Summer Semester

AGS-Agriculture Science

AGS-10 World Food and Hunger Issues (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the world's food needs with emphasis on the problems and policies of developing nations. The course will examine the evolution from hunter-gatherer to domesticated agriculture and the role agriculture currently plays in the sustainability of economic and political progress of developing nations and the ethical and environmental implications. (Regular Graded) Effective: 2003 Fall Semester

AGS-20 Plant Science (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to plant science including structure, growth processes, propagation, physiology, growth medica, biological competitors, and post-harvest factors of food, fiber, and ornamental plants. (C-ID AG-PS 104). (Regular Graded) Effective: 2014 Fall Semester

AGS-30 Ecology of Insect and Disease Management (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a study of the scientific principles and concepts of ecologically based pest management, with emphasis on economically important insects and pathogens in agriculture,

environmental horticulture, natural resources, parks and recreation. Included is an introduction to insects and disease organisms, their biology, identification and management, with a focus on plants of the local geographic area. (Regular Graded) Effective: 2010 Spring Semester

AGS-40 Introduction to Animal Science (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. There will be special emphasis on the origin, characteristics, adaptation and contributions of farm animals to the global agriculture industry. Analysis of the economic trends and career opportunities in animal agriculture will be covered. (Regular Graded) Effective: 2015 Fall Semester

AGS-45 Feeds and Feeding (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a study of the basic nutrients involved in animal nutrition: protein, energy, vitamins, minerals and feed additives and their utilization by the animal's body. An analysis of the feeding value of common feedstuffs in practical livestock rations will be completed. Students will be introduced to the formulation of balanced rations for species of livestock including least cost computer formulated rations. (Regular Graded) Effective: 2015 Fall Semester

AGS-50 General Soils (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
The study of soil physical, chemical and biological properties. Soil use and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties of soil. (C-ID AG-PS 128L). (Regular Graded) Effective: 2014 Fall Semester

AGS-51 Fertilizers and Plant Nutrition (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the composition, value, selection, and use of fertilizer materials and soil amendments within the context of soil, plant, and fertilizer relationships. Application practices currently being used in California will be discussed. (Students will be require to read & interpret soil reports and make appropriate fertilizer recommendations.) (Regular Graded) Effective: 2014 Spring Semester

AGS-75 Introduction to Agricultural Education (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an overview of agricultural education in California. The principle components of agricultural education are evaluated, including classroom instruction, student leadership development, and student workplace preparation. Effective program development for a secondary agriculture education program will also be evaluated. (This course requires students to evaluate the requirements to be a professional agriculture teacher.) (Regular Graded) Effective: 2020 Fall Semester

AGS-97 Special Problems-AGS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2015 Fall Semester

AGS-99 Work Experience-AGS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2015 Fall Semester

AGS-104B Organic Farming Techniques (1.00)
Hours: 17.00 Lecture.
Transfer Status: Not transferable
This course covers plant nutrition, soils management and soil fertility from an organic perspective. Emphasis will be placed upon plant nutrition, management of soil organics, and soil testing. (Pass/No Pass) Effective: 2010 Spring Semester

AJ-Administration of Justice

AJ-1 Criminology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the philosophy of law enforcement, professional responsibilities and urban problems, criminology, organization, jurisdiction and interrelationships of local, state and federal law enforcement agencies. Students are also introduced to professional career opportunities and qualifications required for employment within the field. (Graded Only) Effective: 2013 Spring Semester

AJ-2 Administration of Justice (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principals and approaches. Although justice structure and process is examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies. (C-ID AJ 110). (Regular Graded) Effective: 2013 Spring Semester

AJ-3 Legal Research (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to legal research. Students will become familiar with and learn how to use materials commonly found in law libraries via a web-based legal resource. (Graded Only) Effective: 2013 Fall Semester

AJ-4 Criminal Law (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
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. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes. (C-ID AJ 120). (Graded Only) Effective: 2013 Fall Semester

AJ-6 Evidence (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. (C-ID AJ 124). (Graded Only) Effective: 2000 Fall Semester

AJ-7 Report Writing for Law Enforcement Officers (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is designed to improve and enhance written communication skills of current or future law enforcement officers. Students will review basic English writing skills and apply them to written reports relative to standardized law enforcement crime report, crime report narrative, crime scene investigation, evidence submission and criminal citation. Emphasis will be placed on developing the writing skills needed for preparing the reports to be submitted for case prosecution. (The student will be given assignments which will require them to utilize deductive analysis to determine the facts of the criminal incident, and apply these facts in a written format.) (Regular Graded) Effective: 2013 Fall Semester

AJ-8 Criminal Investigation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
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. (C-ID AJ 140). (Graded Only) Effective: 2013 Spring Semester

AJ-10 Juvenile Procedures (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
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 focuses on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. (C-ID AJ 220). (Graded Only) Effective: 2012 Fall Semester

AJ-11 Criminal Procedure (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
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. (C-ID AJ 122). (Graded Only) Effective: 2000 Fall Semester

AJ-13 Organized Crime/Gangs (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the interrelations of organized crime, such as gangs and narcotics, to the community. Topics include the impact of covert criminal activities upon the social structure, symptoms of organized crime, political influences in the legal system, and management of crime control units. (Regular Graded) Effective: 2013 Spring Semester

AJ-14 Community Oriented Policing (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict. Emphasis is placed on the challenges and prospects of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in culture, religion, and law. (C-ID AJ 160) (Regular Graded) Effective: 2013 Fall Semester

AJ-97 Special Problems-AJ (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

AJ-99 Work Experience-AJ (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

AJLE-Administration of Justice Law Enforcement

AJLE-1 Crisis Intervention Training (2.00)
Hours: 36.00 Lecture. 4.00 Laboratory.
Transfer Status: Transferable to CSU only.

This course will provide public safety personnel with the skills and knowledge to recognize individuals with mental illness, identify potential disorders, minimize escalations in contacts with the mentally ill and thereby reducing death and injury to peace officers and mentally ill individuals. Training focuses on developing techniques on approaching mentally ill subjects, communication, de-escalation, gathering information and using listening skills. (Students in this course are law enforcement and mental health line staff who utilize critical thinking in their line of duty.) (Pass/No Pass) Effective: 2009 Fall Semester

AJLE-100 Law Enforcement Academy Physical Training (2.00)
Hours: 11.00 Lecture. 73.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: AJLE 130; AJLE 140 or AJLE 141
Transfer Status: Not transferable
This course conforms to the California Commission on Peace Officer Standards and Training (POST) Basic Law Enforcement Academy requirements for Learning Domain #32, Lifetime Fitness. The course provides an overview of physical fitness for a healthy lifestyle for peace officers. Topics include proper nutrition, common health problems, causes of stress, stress management and physical conditioning. (Students must recognize the importance of physical fitness in order to be a peace officer.) (Regular Graded) Effective: 2014 Fall Semester

AJLE-130 Law Enforcement Academy; Basic/State Parks Emphasis (46.00)
Hours: 607.00 Lecture. 538.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: AJLE 100
Transfer Status: Not transferable
This course prepares the student for a career as a peace officer with an emphasis on the Department of Parks and Recreation (DPR), under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains (LDs) ranging from academic subjects in criminal law, investigation and patrol procedures to psychomotor skills in defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to meet a prerequisite for employment as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after field training and one year of approved field service at a law enforcement agency. (Students are required to learn the law and certain administrative rules, and then apply them to a myriad of scenario based situations.) (Graded Only) Effective: 2020 Fall Semester

AJLE-131 Basic Interpretation Learning System (BILS); State Parks Emphasis (4.50)
Hours: 64.00 Lecture. 56.00 Laboratory.
Transfer Status: Not transferable
This course is intended to prepare the student for employment in positions with an emphasis on interpretation in parks, but a primary emphasis as California State Parks Peace Officers. Modules addressed include communication, purpose and value, planning, programs, talks, walks, evaluations, professionalism and more. Students will learn presentation skills, leadership development and administrative processes related to advancement into State Parks Peace Officer positions. (Students are required to learn the law and certain administrative rules, and then apply them to a myriad of scenario based situations.) (Graded Only) Effective: 2017 Fall Semester

AJLE-132 Emergency Medical Responder; State Parks Emphasis (3.50)
Hours: 49.50 Lecture. 30.50 Laboratory.
Transfer Status: Not transferable
This course is designed to prepare public safety professionals, State Parks Peace Officers in particular, to serve in roles which include collateral responsibility as Emergency Medical Responders. The course meets the requirements for learning needs, learning objectives and hourly requirements of the California Commission on Peace Officer Standards and Training (P.O.S.T.) for Learning Domain 34, First Aid and CPR (Title 11, Division 2. Section 1005 of the California Code of Regulations); and the requirements of Title 22, Division 9, Chapter 1.5 of the California Code of Regulations regarding First Aid and CPR Standards and Training for Public Safety Personnel. (Students are required to learn the law and certain administrative rules, and then apply them to a myriad of scenario based situations.) (Graded Only) Effective: 2017 Fall Semester

AJLE-133 Patrol Rifle (0.50)
Hours: 9.00 Lecture. 15.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
Successful completion of this course will allow students to possess and use long or short barreled rifles or shotguns when acting pursuant to California Penal Code 33220(b). This course meets the requirements of POST training regulation 1005(i), and covers the current state of the law, use of force, safety issues, nomenclature, specifications, capabilities, firearm care, breakdown and cleaning, tactical considerations, skill development and qualification. (Students are required to learn the law and certain administrative rules, and then apply them to a myriad of scenario based situations.) (Graded Only) Effective: 2017 Fall Semester

AJLE-140 Law Enforcement Academy (34.50)
Hours: 457.00 Lecture. 384.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: AJLE 100
Transfer Status: Not transferable
This 23-week course prepares the student for a career as a peace officer under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains ranging from academic subjects on criminal law, investigation and patrol procedures to psychomotor skills on defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to be employed as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after one year of approved field service at a law enforcement agency. (Graded Only) Effective: 2014 Fall Semester

AJLE-141 Law Enforcement Academy; Fish and Wildlife Emphasis (48.00)
Hours: 657.00 Lecture. 489.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: AJLE 100
Transfer Status: Not transferable
This 30-week course prepares the student for a career as a peace officer with an emphasis on the Department of Fish and Wildlife (DFW), under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains ranging from academic subjects on criminal law, investigation and patrol procedures to psychomotor

skills on defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to be employed as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after one year of approved field service at a law enforcement agency. (Students are provided a workbook in each of the 42 learning domains covered in the Academy. These workbooks require students to complete learning activities specific to the subject matter. Subject matter experts supplement self-study with instruction, and students are tested on each learning domain.) (Graded Only) Effective: 2017 Spring Semester

AJLE-151A PC 832 Arrest Module (2.00)
Hours: 28.00 Lecture. 12.00 Laboratory.
Transfer Status: Not transferable
This course is the first of two modules that comprise the minimum training standard for California peace officers as specified by the California Commission on Peace Officer Standards and Training (P.O.S.T.). Graduates of this course qualify for minimal peace officer powers as defined by the California Penal Code. This module contains instruction in 12 specific classroom subjects related to the authority and limitations of arrest. Additionally, students will participate in 10 hours of hands-on training in arrest, control, and searching techniques. (Pass/No Pass) Effective: 2012 Summer Semester

AJLE-151B PC 832 Firearms Module (0.75)
Hours: 8.00 Lecture. 16.00 Laboratory.
Transfer Status: Not transferable
This course is the second of two modules that comprise the minimum training standards for California peace officers as specified by the California Commission on Peace Officer Standards and Training (P.O.S.T.). Graduates of this course qualify for minimal peace officer powers as defined by the California Penal Code. This module contains 8 hours of classroom instruction in firearms safety, psychological and physiological responses, current firearms law, firearms cleaning techniques, and moral and ethical considerations. Additionally, students will participate in 16 hours of hands-on training in drawing and holstering, loading and unloading, and basic handgun shooting principles. (Pass/No Pass) Effective: 2012 Summer Semester

AJLE-164 POST Dispatcher Course (6.50)
Hours: 104.00 Lecture. 16.00 Laboratory.
Transfer Status: Not transferable
Becoming a public safety dispatcher means choosing dispatching not only as a career, but as a ethnical commitment to maintain public trust. Public safety dispatchers must understand their role and responsibilities, understand the operation of the communications center, and act with a high degree of professionalism and ethics. This course will cover the communication process of dispatching, criminal justice system, laws and the California Penal Codes, communication technology operations, resource referral services, and wellness management. This course meets the minimum requirements for certification by the California Commission on Peace Officer Standards and Training. (Pass/No Pass) Effective: 2012 Summer Semester

ALH-Allied Health

ALH-2 Basic Emergency Response & Health Careers (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This entry level course will instruct students in the basics of emergency medical care, including Health Care Provider level Cardio-Pulmonary Resuscitation (CPR), First Aid and Safety, that will help sustain life, reduce pain and minimize the consequences of injury or a sudden illness until more advanced medical help takes over. In addition, the course will explore a variety of health care career pathways. (Regular Graded) Effective: 2010 Fall Semester

ALH-3 Introduction to Public Health (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management. (C-ID PHS 101) (This course will involve real world public health issues that will encourage critical thinking skills related to illness, disease, patients, and public policy that will help them with their future advancement in the health care field.) (Regular Graded) Effective: 2016 Fall Semester

ALH-6 The Critical Six Soft Skills in the Professional Healthcare Environment (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course assists in the development of soft skills in the professional healthcare settings. Soft skills can be defined as a cluster of personality traits and behaviors that enhance the relationship between two individuals or an individual and an organization. Proficiency in the practice of soft skills has been identified as an essential characteristic to attain for any individual involved in the professional healthcare setting. Content will include six competency domains which include: Communication, Workplace Ethics and Professionalism, Team Building and Collaboration, Effective Problem Solving, Embracing Diversity and Demonstrating Compassion. (Critical thinking skills development in development of soft skills to be utilized int he workplace.) (Graded Only) Effective: 2018 Spring Semester

ALH-99 Work Experience-ALH (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a

maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2000 Fall Semester

ALH-104 Medical Terminology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course explores the specialized language used within the medical profession. Emphasis is placed on the definition, pronunciation and spelling of medical terms with focus on building medical words using prefixes, word roots, suffixes and combining forms. To further advance a working knowledge of these terms, vocabulary is taught in relation to the basic anatomy, physiology and pathology of body systems. (Regular Graded) Effective: 2010 Spring Semester

ANTH-Anthropology

ANTH-2 Physical Anthropology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as foundation of the course. (C-ID ANTH 110). (Regular Graded) Effective: 2013 Fall Semester

ANTH-2H Honors Physical Anthropology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This honors level course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as foundation of the course. The course may include a lab component. (C-ID ANTH 110) (Students will be required to synthesize complex ideas taken from primary and secondary sources. They must be able to understand the complexities of evolutionary theory and apply this modle to new circumstances (e.g. ongoing environmental changes and so forth).) (Graded Only) Effective: 2012 Fall Semester

ANTH-4 Cultural Anthropology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. (C-ID ANTH 120). (Regular Graded) Effective: 2013 Spring Semester

ANTH-4H Honors Cultural Anthropology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This honors level course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. (C-ID ANTH 120) (students will read high level literature and must demonstrate a critical understanding through verbal discussion and written essays;) (Graded Only) Effective: 2012 Fall Semester

ANTH-13 Magic, Witchcraft and Religion (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a cross-cultural study of the forms and functions of supernatural beliefs and rituals in contemporary and historical societies. The course focuses on non-western societies and their religious systems. Descriptive anthropological methods (ethnography and ethnology) are discussed as important aspects of the study of belief systems cross-culturally. Moreover, various theoretical models are employed to inform the study of beliefs and practices associated with both nonwestern and western societies. An integrated view of religion is taken to demonstrate how belief in supernatural forces reflects other cultural patterns of behavior and thinking. For example, religion is integrated with such areas of basic human concern as subsistence practices, social organization, and culture changes that arise in contact situations. (Regular Graded) Effective: 2013 Spring Semester

ANTH-14 Language and Culture (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the foundations of linguistic anthropology. Basic concepts, methods, and forms of analysis associated with linguistic anthropology are covered. Emphases will be placed on such areas of inquiry as the origins of human language and communication, language acquisition, how linguists describe and compare different language systems, how historical relationships among the world's languages are determined, understanding the use of language across social and situational

contexts (sociolinguistics), and cross-cultural communication. (Regular Graded) Effective: 2013 Spring Semester

ANTH-16 Archaeology and Ancient Societies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the study of concepts, theories, data and models of anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. (C-ID ANTH 150). (Regular Graded) Effective: 2013 Fall Semester

ANTH-17 Introduction to Linguistics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of linguistics. The focus is on the description, analysis, and theoretical modeling of various world language systems. Topics will include an introduction to the field of linguistics, the historical development of linguistic inquiry, language acquisition, historical/comparative linguistics and world language systems, phonology, language morphology, syntax, semantics, language in social context(s), discourse analysis, theoretical orientations, literacy process, and applied linguistics. Content for this course will be derived from the work of scholars around the world, including the distinctive contributions of women linguists with a focus on gender and language. (Students will need to apply topics in linguistics to new contexts and show understanding. They will for example, learn how some words in English were affected by the Great Vowel Shift and then will be asked to describe which words in a new set were affected.) (Regular Graded) Effective: 2011 Spring Semester

ANTH-18 World Cultures (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the world's culture areas as described and conceptualized by cultural anthropologists. While the course has a significant geographical component, emphasis is placed on an anthropological perspective on cultural dynamics in terms of general subsistence patterns, sociopolitical organization, and the increased globalization over time of the world's cultural systems. Societal types such as hunter gatherers, horticulturalists, pastoralists, intensive agriculturalists, and industrialists are described and compared from an anthropological perspective. Culture contact and change models are also included as a substantive part of the course content. (Regular Graded) Effective: 2013 Spring Semester

ANTH-32 Native Americans (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is designed to provide students with a detailed knowledge of prehistoric and early historic cultures of the Native Americans of North America. This will include the study of their origins, language families, traditional and transitional cultural patterns, the impact of Euroamerican populations, and a survey of the various natural and cultural regions of North America. (Regular Graded) Effective: 2013 Spring Semester

ANTH-33 Ancient Mesoamerica (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a comparative survey of the precontact cultural traditions of Mesoamerica. Mesoamerica includes all of the central, southern Mexico, the Yucatan Peninsula, the northern regions of Central America. Emphasis is placed on cultural evolution as exemplified through the cultural development and subsequent decline of such traditions as the Olmec, Maya, Zapotec, and Aztec (among others). Comparisons to precontact South American traditions are included. (Regular Graded) Effective: 2013 Spring Semester

ANTH-34 Native Americans Today (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of contemporary issues associated with Native American culture process. The course will focus on economic, political, health, and identify issues as these reflect changes in sociocultural dynamics for Native American populations, from roughly the 1890s through to the present. In addition, the course will focus on legal strategies and actual responses taken by various activist Native American groups as a function of cultural adaptation to Euroamerican westward expansion and subsequent domination of North America. (Regular Graded) Effective: 2013 Spring Semester

ANTH-95 Special Studies-ANTH (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ART-Art

ART-1 Art Appreciation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides a general introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to the visual arts across time and diverse cultures. (C-ID ARTH 100). (Regular Graded) Effective: 2020 Fall Semester

ART-2 Prehistoric to Gothic Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an overview of western art and architecture from prehistory through the medieval period within their historical and cultural contexts. (C-ID ARTH 110). (Regular Graded) Effective: 2019 Fall Semester

ART-2H Honors Prehistoric to Gothic Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level Survey of the major visual arts of the Ancient World through the Middle Ages. Through a process of thorough analysis, critical thinking, extended discussions, and

original oral and written responses, students will examine the arts of painting, sculpture, and architecture within their historical and cultural contexts. (C-ID ARTH 110). (Students will be presented with information and problem-solving projects for which there are multiple possible interpretations and conclusions. They will be encouraged to acquire information from diverse sources, critically evaluate, and present it as evidence in essays, discussions, and other papers.) (Graded Only) Effective: 2012 Fall Semester

ART-3 Asian Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides a select overview of art and architecture from India, Southeast Asia, China, Korea, and Japan from pre-history to modern times. (C-ID ARTH 130). (Regular Graded) Effective: 2019 Spring Semester

ART-4 Renaissance in Contemporary Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an overview of art and architecture from the Renaissance to the Contemporary period within their historical and cultural contexts. (C-ID ARTH 120). (Regular Graded) Effective: 2019 Spring Semester

ART-4H Honors Renaissance to Contemporary Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level survey of the major visual arts of the Renaissance and the Modern World. Through a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, students will examine the arts of painting, sculpture, and architecture within their historical and cultural contexts. (C-ID ARTH 120). (Students will be presented with information and problem-solving projects for which there are multiple possible interpretations and conclusions. They will be encouraged to acquire information from diverse sources, critically evaluate, and present it as evidence in essays, discussions, and other papers.) (Graded Only) Effective: 2013 Spring Semester

ART-5 1800 to Present Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an overview of art and architecture from the Western modern period of the 19th through the 21st centuries. (C-ID ARTH 150). (Students will develop, and be evaluated on, their ability to demonstrate critical and creative thinking in confronting issues and topics for which there are several or more possible interpretations and conclusions.) (Regular Graded) Effective: 2019 Spring Semester

ART-6 African, Oceanic, and Native American Art History Survey (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of visual culture within select regions in Africa, Oceania, and indigenous North America. (C-ID ARTH 140). (Regular Graded) Effective: 2020 Fall Semester

ART-7 2-D Foundations (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the concepts, applications, and historical references related to two-dimensional art and composition, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Students develop visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. (C-ID ARTS 100). (Regular Graded) Effective: 2013 Fall Semester

ART-8 Drawing I (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an 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 is placed on materials and subject matter. (C-ID ARTS 110) (Regular Graded) Effective: 2020 Fall Semester

ART-9 3-D Foundation (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three-dimensional studio projects. (C-ID ARTS 101). (Regular Graded) Effective: 2013 Fall Semester

ART-11 Intermediate Drawing (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 8
Transfer Status: Transferable to both UC and CSU.
This course is an exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. (C-ID ARTS 205). (Regular Graded) Effective: 2013 Fall Semester

ART-14 Basic Figure Drawing (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. (C-ID ARTS 200). (Regular Graded) Effective: 2013 Spring Semester

ART-15 Intermediate Figure Drawing (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 14
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of Beginning Figure Drawing (ART 14). It will enhance students' techniques, approaches and practices in drawing the human figure. students will further develop skills and knowledge emphasis on composition and media development. Drawings will be done from live nude models. (Regular Graded) Effective: 2013 Fall Semester

ART-16 Advanced Figure Drawing (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.

Requisite(s): Completion with a C or better in: ART 15
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of skills and drawing principals introduced in ART 14 and ART 15. Traditional and contemporary methods and techniques of composition will be introduced. Emphasis will be placed on the development of a personal style and the various uses of the human figure in contemporary art. (Regular Graded) Effective: 2013 Fall Semester

ART-17 Beginning Painting (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to principles, elements, and practices of painting. Focus is on exploration of painting materials, perceptual skills and color theory, paint mixing and technique, as well as creative responses to materials and subject matter. (C-ID ARTS 210). (Regular Graded) Effective: 2013 Fall Semester

ART-18 Intermediate Painting (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 17
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of ART 17. Students continue practicing the techniques of painting, focusing on exploring painting materials, perceptual skills and color theory, paint mixing and painting techniques, as well as creative responses to materials and subject matter. (Regular Graded) Effective: 2013 Fall Semester

ART-19 Advanced Painting (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 18
Transfer Status: Transferable to both UC and CSU.
This is an advanced painting course. Students continue practicing the techniques of painting, focusing on the development of advanced technical skills and advanced applications of materials and processes using paint and mixed media. (Regular Graded) Effective: 2013 Fall Semester

ART-22 Screen Printing (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course explores the materials and methods of water-based fine art screen-printing on paper. An emphasis will be placed on the creative interpretation of various subject matter, concept and technical skill. This course is designed for art majors and minors who wish to develop a personalized statement in the graphic medium. (Regular Graded) Effective: 2020 Fall Semester

ART-23 Introduction to Printmaking (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the basic materials, equipment, and processes of printmaking, including relief (linocut and woodcut), intaglio (drypoint, etching, and collagraph), planography (lithography and monotype), and stencil (screenprint). (Regular Graded) Effective: 2013 Fall Semester

ART-31 Graphic Design I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the general field of graphic design. Students will explore and apply professional skills in design, layout, and production. Areas of study will include advertising design and layouts, corporate identity, publication design, packaging and producing print-ready artwork. (Regular Graded) Effective: 2013 Fall Semester

ART-32 Creative Typography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the technical and aesthetic fundamentals of typography and their relationship to the design of effective visual communications. It also includes the study of the letterform, typefaces, copy fitting, software and specification emphasis on creative application. (Regular Graded) Effective: 2007 Fall Semester

ART-34 Graphic Design II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ART 31
Transfer Status: Transferable to CSU only.
This is an intermediate course in graphic design. Students will apply design principles and tools of graphic design learned in ART 31 and ART 32. Concentration is on increasing skill levels for developing advanced design techniques for print and online. (Regular Graded) Effective: 2013 Fall Semester

ART-35 Illustration Art I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the study and practice of illustration art. Students will investigate both contemporary and historical illustration art. Various media and techniques used in illustration art will be explored. Students will gain an understanding of how illustration is used in client projects, and how to market their skills to clients in the print and online design industries. (Regular Graded) Effective: 2013 Fall Semester

ART-36 Illustration Art II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ART 35
Transfer Status: Transferable to CSU only.
This is an intermediate course in illustration that focuses on the application of traditional and digital techniques. Students design and produce real-world client projects. Students are also introduced to the business of illustration and career paths for illustrators. (Regular Graded) Effective: 2013 Fall Semester

ART-39 Business of Graphic Design (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the business of graphic design and related fields, concentrating on professional issues and relationships with clients, art directors, advertising agencies, printers, representatives, and brokers. (Regular Graded) Effective: 2013 Fall Semester

ART-50 Beginning Ceramics (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to ceramics materials, concepts, and processes, including basic design principles, creative development, hand-building, throwing (potter's wheel), glaze techniques, firing and ceramic terminology. Students will experiment with a variety of forms, glazes, and other surface treatments, and will be introduced to historical as well as contemporary ceramic artworks. (Regular Graded) Effective: 2013 Fall Semester

ART-52 Intermediate Ceramics (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 50
Transfer Status: Transferable to both UC and CSU.

This course is an exploration of clay as a medium of expression, using the potter's wheel and/or hand-building techniques to create sculptural and functional forms. Students will continue to develop techniques in basic wheel-throwing and/or hand-building, clay body formulation, surface enrichment techniques, and kiln firing. Students will also become familiar with historical as well as contemporary ceramic artworks. (Regular Graded) Effective: 2013 Fall Semester

ART-54 Ceramics-Low Fire (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 50
Transfer Status: Transferable to both UC and CSU.
This course expands on the hand-building and wheel-throwing skills learned in the introductory class, with an emphasis on a variety of low-fire glaze and surface techniques, setting up additional possibilities for creative expression. (Regular Graded) Effective: 2013 Fall Semester

ART-56 Advanced Ceramics (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 52
Transfer Status: Transferable to both UC and CSU.
This course is an in-depth exploration of clay as a medium of expression, with emphasis on individual ideas and directions. Students will concentrate on creating a personal vocabulary of imagery, construction methods, and surface treatments, and will develop and draw upon a broad awareness of historical as well as contemporary ceramic artworks. (Regular Graded) Effective: 2013 Fall Semester

ART-60 Sculpture I (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context. (Regular Graded) Effective: 2020 Fall Semester

ART-63 Intermediate Sculpture, Clay (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: ART 60
Transfer Status: Transferable to CSU only.
This course focuses on the production of sculpture through the combination of clay with wood, metal, "found" objects, and other materials. The aesthetic and technical aspects of construction and combination of materials will be emphasized, as well as hand-building, clay making and firing techniques, welding, and kiln building. Contemporary artists will be discussed and emphasis placed on art created in a Postmodern world, and especially how clay, combined with other media fit into that world. (Each assignment requires students to solve technical and aesthetic problems in terms of idea, material, and making process.) (Regular Graded) Effective: 2013 Fall Semester

ART-70 Gallery Production/Business of Art (2.00)
Hours: 25.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course will deal with the various aspects of operating an educationally directed art gallery including scheduling, lighting, publicity, security, budget, receptions, show themes and reviews. The Butte College Coyote Gallery will function as the class laboratory, and approximately two to three shows will be organized and installed each semester. (Annual student show in Spring semester). In addition, students will learn the business of art in order to be able to successfully compete in the professional market place. (Regular Graded) Effective: 2001 Fall Semester

ART-81 Introduction to Fiber Arts (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to basic materials, methods and vocabulary used in fiber and textile media as well as the hands-on development of expressive visual ideas. Contemporary and historical development and cultural relevance of the fiber media is also explored. (C-ID ARTS 282). (Regular Graded) Effective: 2013 Fall Semester

ART-95 Special Studies-ART (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ART-99 Work Experience-ART (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

ASL-American Sign Language

ASL-1 American Sign Language I (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is the first of a two part introductory course in American Sign Language (ASL) as it is used within Deaf culture. Topics include basic linguistic structures, facial grammar and fingerspelling as it is used at the novice level. Emphasis is placed on the development of ASL and receptive skills. Students who have completed at least one year of high school ASL with a letter grade of "A" or "B" within one year of the present date, may upon approval of instructor, register for ASL II. (Communication requires students to think critically. Students will navigate a new form of communication and culture. Students must analyze each situation and apply the appropriate expressive nonverbal communication.) (Regular Graded) Effective: 2016 Fall Semester

ASL-2 American Sign Language II (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ASL 1
Transfer Status: Transferable to both UC and CSU.

This course is the second half of a two part introductory course in American Sign Language (ASL) as it is used within the Deaf culture. ASL 2 continues to develop the student's use of appropriate linguistics and cultural principles of ASL. Instruction will further student's language development by emphasizing receptive and expressive skills. Intermediate vocabulary, grammar, non-manual behaviors and fingerspelling will be taught. (Communication requires students to think critically. Students will navigate a new form of communication and culture. Students must analyze each situation and apply the appropirate expressive nonverbal communication.) (Regular Graded) Effective: 2016 Fall Semester

ASL-3 American Sign Language III (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ASL 2
Transfer Status: Transferable to both UC and CSU.
This course is an intermediate American Sign Language (ASL) which further develops receptive and expressive skills, teaches appropriate linguistic features and gives further exposure to Deaf Culture. This course utilizes a practice oriented approach to language acquisition with demonstration of more advanced grammatical features of ASL including conditional and contrastive structure sentence types, recurring and continuous time signs, temporal aspect and narrative structure. Students' fluency and accuracy in fingerspelling and numbers will increase. (American Sign Language requires the student to learn a visual way of receiving and expressing language which has a different syntax and structure from English.) (Regular Graded) Effective: 2016 Spring Semester

ASL-4 American Sign Language IV (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ASL 3
Transfer Status: Transferable to both UC and CSU.
American Sign Language (ASL) that further develops receptive and expressive skills with an emphasis on ASL narratives and active communication in ASL. It continues to use the functional-notation approach in learning grammar and context. This course also expands on major linguistic and grammatical features, including restructuring space, rephrasing register; and cultural features, including cultural diversity in the Deaf world, Deaf storytellers, and various social services and programs. (American Sign Language requires the student to learn a visual way of receiving and expressing language which has a different syntax and structure from English.) (Regular Graded) Effective: 2020 Fall Semester

ASL-10 Introduction to American Deaf Culture (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the American Deaf Culture and Deafhood. Emphasis will be placed on the history, community, and the language used within the American Deaf culture: American Sign Language. The values, traditions and diversity in American Deaf Culture will be explored as a linguistic and cultural minority through the dynamics between oppressed/oppressor peoples, past and current trends in deaf education, services for the deaf, legislation, and technology. Group identity and group liberation will be discussed. Taught in American Sign Language with an ASL/English interpreter. (Communication requires students to think critically. Students will navigate a new form of communication and culture. Students must analyze each situation and apply the appropriate expressive nonverbal communication.) (Regular Graded) Effective: 2017 Fall Semester

AUT-Automotive Technology

AUT-1 Introduction to Automotive Technology (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the automotive field and the electrical/mechanical systems found in today's automobile. This course will cover safety related practices, the principles of operation and system service procedures for all systems found on today's cars. (After lecture and demonstrations, the students will be asked to distinguish the various automotive components and describe their function in the related system) (Regular Graded) Effective: 2009 Spring Semester

AUT-2 Honda Express Service (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course teaches students the maintenance procedures used in Honda Express Service. Students will learn basic automotive shop safety, tool and equipment use, and the steps to research vehicle service information. (This course starts off with a student needing to decipher a 17 character vehicle identification number (VIN). With this they must be able to determine the correct procedures, fluid volume, torque values and pressures required to complete a competent service on that specific car. Then when the physical work has been completed they must be able to communicate in written and verbal form so that a customer has a full understanding as to what was done, why it was done and what may, or may not, be needed in the future.) (Pass/No Pass) Effective: 2016 Spring Semester

AUT-3 Specialized Automotive Electronics (6.00)
Hours: 68.00 Lecture. 102.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course teaches students the fundamentals of electricity and electronics used currently in the Automotive industry, including semi-conductors and microcomputers. Electrical measuring devices, wire repair, circuits, schematics and practical diagnostic procedures are emphasized. Microcomputer inputs, processing, outputs, testing, and operation will be explained. Students will acquire the fundamental knowledge and skills to diagnose and service modern automotive electrical and electronic systems, with emphasis on advanced diagnostic routines needed to correct circuit anomalies such as shorts, opens, and parasitic draws. (This class will make use of industry reference material, advanced diagnostic tools and cars that will be bugged with electrical problems. This will challenge the student to create a comprehensive diagnostic procedure and follow that procedure to the end result which is the diagnosis of the faulty circuit or component. Then when the physical work has been completed they must be able to communicate in written and verbal form so that a customer has a full understanding as to what was done, why it was done and what may, or may not, be needed in the future.) (Regular Graded) Effective: 2021 Fall Semester

AUT-6 Automotive Electrical Systems Lecture (2.00)
Hours: 35.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 7
Transfer Status: Transferable to CSU only.

This course introduces the theory, operation, and repair in the areas of electrical/electronics systems. Battery function and diagnosis including hybrid vehicle battery function and charging are covered. Topics also include vehicle lighting systems, starting and charging systems, and the electrical accessories that function in a modern vehicle. (Students must take the theory discussed and the demonstrations shown in lecture then apply it lab. The lab objectives correlate with the areas discussed in lecture.) (Regular Graded) Effective: 2015 Fall Semester

AUT-7 Automotive Electrical Systems Lab (2.00)
Hours: 105.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 6
Transfer Status: Transferable to CSU only.
In this course students will develop and demonstrate the hands-on skills needed to repair automotive electrical/electronics systems. Topics include verification, diagnosis and repair of vehicle charging and starting systems, lighting systems, and electrical accessories, including hybrid vehicles. (Each student must verify, diagnose and repair a vehicle using the theory gained in lecture and lab demonstrations. Each lab objective is evaluated on the students ability to analyze the concern, formulate a plan, then choose the proper repair.) (Regular Graded) Effective: 2015 Fall Semester

AUT-8 Auto Engines Lecture (2.50)
Hours: 45.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 9
Transfer Status: Transferable to CSU only.
This course covers the operation, design, construction, fault diagnosis, service and repair procedures of the internal combustion engine. (Regular Graded) Effective: 2015 Spring Semester

AUT-9 Automotive Engines Lab (2.50)
Hours: 135.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 8
Transfer Status: Transferable to CSU only.
In this course students will develop and demonstrate the hands-on skills needed to repair the internal combustion engine and related components. Students will learn the proper use of hand and power tools and test equipment used in the automotive industry. (Regular Graded) Effective: 2010 Fall Semester

AUT-20 Automotive Brakes/Suspension and Steering Systems Lecture (3.00)
Hours: 50.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 21
Transfer Status: Transferable to CSU only.
This course introduces the theory, operation, and repair in the areas of base brake systems, anti-lock brake systems, and steering and suspension systems. Topics include: the application of Pascal's Law, disk brake systems and their related components, drum brake systems, anti-lock brake system operation and repair, suspension system operation and repair including electronic suspension and steering systems. (Students must take the theory discussed and the demonstrations shown in lecture then apply it lab. The lab objectives correlate with the areas discussed in lecture.) (Regular Graded) Effective: 2015 Fall Semester

AUT-21 Automotive Brakes/Suspension and Steering Systems Lab (3.00)
Hours: 150.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 20
Transfer Status: Transferable to CSU only.
In this course students will develop and demonstrate the hands-on skills needed to verify, diagnose and repair vehicle systems, sub systems, and components. Topics include: brake systems including both drum and disc brake systems, Anti-lock Brake Systems (ABS), steering and suspension systems, and electronic steering and suspension systems. (Each student must verify, diagnose and repair a vehicle using the theory gained in lecture and lab demonstrations. Each lab objective is evaluated on the students ability to analyze the concern, formulate a plan, then choose the proper repair.) (Regular Graded) Effective: 2015 Fall Semester

AUT-22 Automotive Heating and Air Conditioning Lecture (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 23
Transfer Status: Transferable to CSU only.
In this course students study the theory and principles of operation of automotive Heating, Ventilation and Air Conditioning (HVAC) systems as well as engine cooling system operation and repair. Basic laws of heat transfer, refrigeration and compression/expansion of liquid/vapor are introduced. (Regular Graded) Effective: 2010 Fall Semester

AUT-23 Automotive Heating and Air Conditioning Lab (2.00)
Hours: 120.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 22
Transfer Status: Transferable to CSU only.
In this course students will develop and demonstrate the hands-on skills required to diagnose, adjust, repair and maintain modern automotive Heating, Ventilation and Air Conditioning (HVAC) and engine cooling systems. Students will use modern test equipment for diagnosis. Specific skills are developed by the use of special tools used in servicing and repair of automotive HVAC and engine cooling systems. (Regular Graded) Effective: 2010 Fall Semester

AUT-30 Gas/Diesel Engine Performance Lecture (5.00)
Hours: 85.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 3Concurrent enrollment or completion with a C or better in: AUT 31
Transfer Status: Transferable to CSU only.
This course introduces the theory, operation, and repair of the ignition, fuel, engine management, and emission control systems on gasoline and diesel powered vehicles. This course is designed to help prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing exams. (Regular Graded) Effective: 2021 Fall Semester

AUT-31 Gas/Diesel Engine Performance Lab (5.00)
Hours: 255.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 3Concurrent enrollment or completion with a C or better in: AUT 30
Transfer Status: Transferable to CSU only.
In this course, students will develop and demonstrate the hands-on skills needed to diagnose and repair the ignition, fuel, engine management, and emission control systems used in today's gasoline and diesel vehicles. This course will help prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing Exams. (Regular Graded) Effective: 2021 Fall Semester

AUT-32 Smog Inspection (3.00)
Hours: 34.00 Lecture. 68.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course consists of California BAR Level 1 and Level 2 Smog inspector training. The Smog Check Procedures Training must be completed by all Inspector candidates. This training provides students the procedural knowledge, skills, and abilities needed to perform Smog Check inspections. Students who complete and pass this training will have met the Bureau's training requirements to qualify to take the Smog Check Inspector state licensing examination. (This class will require the student to create a comprehensive diagnostic procedure and follow that procedure to the end result which is the diagnosis of the faulty circuit or component (cause of failure). Then when the physical work has been completed they must be able to communicate in written and verbal form so that a customer has a full understanding as to what was done, why it was done and what may, or may not, be needed in the future. All work must comply with state and local regulations.) (Regular Graded) Effective: 2021 Fall Semester

AUT-41 Specialized Automotive Electronics and Microcomputers (5.50)
Hours: 68.00 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course teaches students the fundamentals of electricity and electronics, including semi-conductors and microcomputers, as they are used in the automotive industry. Electrical measuring devices, wire repair, circuits, schematics and practical diagnostic procedures are emphasized. Microcomputer inputs, processing, outputs, testing, and operation will be explained. Students will acquire the fundamental knowledge and skills to diagnose and service modern automotive electrical and electronic systems. (Regular Graded) Effective: 2012 Fall Semester

AUT-42 Advanced Specialized Automotive Electronics and Microcomputers (5.50)
Hours: 68.00 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41
Transfer Status: Transferable to CSU only.
This course is a continuation of AUT 41 and in this course the student will build upon fundamentals of electricity gained in AUT 41 to develop logical, strategy-based diagnostic routines. These routines will be used to diagnose electrical faults found in Hybrid, PZEV (Partial Zero Emissions Vehicle), gasoline, diesel and alternative fuel vehicles. The manufacturer-specific scan tools will be emphasized along with the advanced diagnostic routines needed to correct circuit anomalies such as shorts, opens, and parasitic draws. Multiplex systems will be discussed including their analog and digital inputs and outputs. This course will provide the student with the knowledge and understanding of manufacture specific electrical systems found in modern vehicles. (This class will make use of industry reference material, advanced diagnostic tools and cars that will be bugged with electrical problems. This will challenge the student to create a comprehensive diagnostic procedure and follow that procedure to the end result which is the diagnosis of the faulty circuit or component. Then when the physical work has been completed they must be able to communicate in written and verbal form so that a customer has a full understanding as to what was done, why it was done and what may, or may not, be needed in the future.) (Regular Graded) Effective: 2012 Fall Semester

AUT-52 Automatic Transmissions/Transaxles Lecture (3.00)
Hours: 50.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 53
Transfer Status: Transferable to CSU only.
This course provides theory and principles of operation in automatic transmissions/transaxles, to include diagnostic, testing and repair of each system. (Regular Graded) Effective: 2010 Fall Semester

AUT-53 Automatic Transmissions/Transaxles Lab (3.00)
Hours: 150.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 52
Transfer Status: Transferable to CSU only.
This course enhances skills in diagnosing, testing, and repair procedures of automotive transmissions/transaxles, drive lines and axles. Shop practice includes diagnostics, testing, and repairing of each system. (Regular Graded) Effective: 2010 Fall Semester

AUT-56 Manual Transmissions/Drivetrains Lecture (2.00)
Hours: 35.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 57
Transfer Status: Transferable to CSU only.
This course provides theory and principles of operation in automotive manual transmissions/transaxles, drive lines and axles. Shop practice includes diagnostics, testing, and repairing of each system. (Regular Graded) Effective: 2010 Fall Semester

AUT-57 Manual Transmissions/Drivetrains Lab (2.00)
Hours: 105.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41Concurrent enrollment or completion with a C or better in: AUT 56
Transfer Status: Transferable to CSU only.
This course provides theory and principles of operation in manual transmissions and transaxles, front and rear axles, drive lines and transfer cases. Shop practice includes diagnostics, testing, and repairing of each system. (Regular Graded) Effective: 2010 Fall Semester

AUT-60 Hybrid and Alternative Fuel Technologies (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers the theory of operation and service of alternative fuel and hybrid powered cars and light trucks. Topics include fuel tank and battery inspection service, regenerative braking systems, motor/generator and transmission, and fuel cell technologies. Emphasis is placed on safety precautions necessary when servicing hybrid and alternative fueled vehicles. Students will be working on and around the high voltage electrical system on hybrid vehicles. Due to the potential for electrical shock, students must demonstrate an understanding of electrical theory and safety by successfully passing the AUT 60 entrance exam with a score of 70% or more on the first day of class. Students who do not pass the AUT 60 entrance exam will be disenrolled from the course. (This class will be offered to students who are in industry currently or have completed 2 semesters in the Automotive Program. With that, the class will build on the electrical and mechanical theories learned in prior classes or industry experience. Each lab objective is evaluated by the instructor via notes in the Lab Work Book and through a verbal "quiz up". Along with that type of evaluation, the subject alone requires analytical thinking.) (Regular Graded) Effective: 2015 Fall Semester

AUT-71 Introduction to Clean Diesel Technology (6.00)
Hours: 51.00 Lecture. 153.00 Laboratory.

Requisite(s): Concurrent enrollment or completion with a C or better in: AUT 41
Transfer Status: Transferable to CSU only.
This course introduces the field of clean diesel technology and of preventative maintenance. It covers proper safety and hazardous waste training, use of basic hand and power tools, and the fundamental workings of the diesel engine. (The nature of automotive repairs requires critical thinking. This course will develop a foundation of understanding regarding the systems and subsystems used in diesel engines. Once the foundation is laid, students will be asked to use their understanding of the fundamentals to develop a repair plan based on mechanical and electrical readings.) (Regular Graded) Effective: 2018 Fall Semester

AUT-72 Diesel Engine Performance (6.00)
Hours: 51.00 Lecture. 144.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 41 or
Transfer Status: Transferable to CSU only.
This course develops the skills needed to diagnose and repair the computer controlled oil, fuel, and emission systems found on current over-the-road diesel powered vehicles. Assignments will prepare students for employment in the medium and heavy diesel vehicle industry. Upon successful completion of this course the student will be prepared to take both the California State Smog Exam and the Automotive Service Excellence (ASE) tests related to diesel engine performance. (The nature of automotive repairs requires critical thinking. This course will develop a foundation of understanding regarding the systems and subsystems used in diesel engines. Once the foundation is laid, students will be asked to use their understanding of the fundamentals to develop a repair plan based on mechanical and electrical readings.) (Regular Graded) Effective: 2019 Fall Semester

AUT-73 Diesel Industry Technologies Lecture (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: AUT 3Concurrent enrollment or completion with a C or better in: AUT 74
Transfer Status: Transferable to CSU only.
This course develops the skills needed to safely diagnose, repair and maintain the systems and sub-systems specific to over-the-road diesel powered vehicles. Topics will include: Diagnosing problems in mechanical, electrical, pneumatic, and electronic systems with industry standard test equipment; Troubleshooting the sophisticated electronic controls that govern engine performance and horsepower as well as transmission and braking systems; Troubleshooting steering, hydraulic, pneumatic systems, brakes, axles, differentials, electric motors, and compressors. Students will learn industry standardized safety inspection procedures. (The nature of automotive repairs requires critical thinking. This course will develop a foundation of understanding regarding the systems and subsystems used in diesel engines. Once the foundation is laid, students will be asked to use their understanding of the fundamentals to develop a repair plan based on mechanical and electrical readings) (Regular Graded) Effective: 2019 Fall Semester

AUT-74 Diesel Industry Technologies Lab (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Completion with a C or better in: AUT 3Concurrent enrollment or completion with a C or better in: AUT 73
Transfer Status: Transferable to CSU only.
In this course, students will develop and demonstrate safe work habits along with the hands-on skills needed to diagnose and repair refrigeration units, mobile hydraulic components, heavy duty powertrain units, pneumatic systems, and truck wheel alignments. Emphasis will be placed on the ability to accurately perform maintenance and safety inspections in a timely manner. (The nature of automotive repairs requires critical thinking. This course will develop a foundation of understanding regarding the systems and subsystems used in diesel engines. Once the foundation is laid, students will be asked to use their understanding of the fundamentals to develop a repair plan based on mechanical and electrical readings.) (Regular Graded) Effective: 2019 Fall Semester

AUT-97 Special Problems-AUT (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

AUT-99 Work Experience-AUT (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

AUT-114 Auto Body Repair (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Not transferable
In this course students learn the tools and procedures used in the repair of minor automotive collision damage. Topics include welding and hydraulic tools, jointing and shrinking techniques, aligning systems, and fillers. Proper tool usage, care and safety are emphasized. (Using knowledge gained from the class students will be able to analyze damage to auto body panels and make decisions as to what which repair procedure would be the best.) (Regular Graded) Effective: 2015 Fall Semester

AUT-115 Automotive Painting (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Not transferable
In this course students learn the materials, tools and procedures used in the refinishing of automobiles. Topics include, surface preparations, subcoats, primers and sealers, topcoats, and spot painting. Shop safety is emphasized. (Using knowledge gained from the class students will be able to analyze damage to auto body panels and make decisions as to what which repair procedure would be the best.) (Regular Graded) Effective: 2015 Fall Semester

AUT-200 Chassis, Engines, Electrical, Auto Skills Practice (0.50-1.00)
Hours: 25.50-51.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in:
Transfer Status: Not transferable

This class is a supervised lab experience designed to update and enhance technical skills in the following areas: Engines, Brakes/ Chassis, Electrical, and Heating/Air Conditioning (AC) Systems. Instruction will be a combination of laboratory demonstrations and skills practice. (Pass/No Pass) Effective: 2013 Fall Semester

AUT-201 Emissions and Transmissions Auto Skills Practice (0.50-1.00)
Hours: 25.50-51.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in:
Transfer Status: Not transferable
This course is a supervised lab experience designed to update and enhance technical skills in one or more of the following areas: Electrical, Computer/Emission Controls, Drivability and Transmissions/Drive Trains. Instruction will be a combination of laboratory demonstrations and skills practice. (Students must analyze problems, develop a solution and apply solution.) (Pass/ No Pass) Effective: 2013 Fall Semester

BCIS-Business Computer Information Systems

BCIS-12 Business Writing Skills (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers the basic knowledge and skills necessary for effective written communication for the workplace. The focus of this course is on the mechanics of business writing by applying rules of standard business document formatting, proper sentence structure, coherent paragraph development, correct grammar and punctuation, proofreading, and professional writing style as required for professional work environments. (Regular Graded) Effective: 2013 Fall Semester

BCIS-13 Business Communication (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or
Transfer Status: Transferable to CSU only.
This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. This course is designed for students who already have college-level writing skills. (Regular Graded) Effective: 2021 Fall Semester

BCIS-15 Web-based Tools for Business (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course examines the role that the end-user plays in monitoring, maintaining, and managing the web-based technology tools being used by businesses to improve and support collaboration, communication, and processes. Web-based tools and services used in business, including those used for communication, collaboration, social media, storage, and live support will be examined and applied. (In this course, students will be required to analyze the multitude of web-based technologies and services offered and make critical decisions about which one(s) to use and how to manage and maintain them with credibility and ethics.) (Regular Graded) Effective: 2021 Fall Semester

BCIS-18 Introduction to Business Technology (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an examination of information and communication technologies used in today's businesses and the impact these technologies are having on today's workplaces. The course will include examination and application of a wide range of information and communication technology tools used to support and enhance business functions and processes. Focus will be placed on solving a variety of business problems, improving organizational productivity, and achieving the goals of business. (Students will be asked to examine,categorize, compare and discuss current and future business technologies by reading chapters in the textbook(s) and conducting online research; organizing their findings; and actively discussing their findings in informal reports and/or in group/classroom discussion. 2. Students will be asked to determine appropriate technologies needed to complete certain types of business tasks and explain why the technologies selected are the most appropriate.) (Regular Graded) Effective: 2020 Fall Semester

BCIS-20 Beginning Keyboarding (1.50)
Hours: 10.50 Lecture. 40.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course is designed for the student who has had little or no previous training in the operation of a keyboard. Students learn to type by touch, to use appropriate keyboarding techniques, and to develop speed and accuracy. Students learn to use common proofreader's marks in document editing. (Regular Graded) Effective: 2021 Fall Semester

BCIS-24 Advanced Keyboarding (1.50)
Hours: 10.50 Lecture. 40.50 Laboratory.
Requisite(s): Completion with a C or better in: BCIS 20
Transfer Status: Transferable to CSU only.
This course builds on basic keyboarding skills by reinforcing both proper keyboarding and effective speed building techniques in order for the student to reach an employable typing speed. Emphasis is placed on developing straight copy and production skills with minimum errors at increased speeds. Keyboarding strengths and weaknesses will be diagnosed, followed by prescriptive drills to address the issues. Topics include review of alphabet keystroke, word level, capital letter, alternate-hand, punctuation, number, symbol, and horizontal/vertical reaches. (Regular Graded) Effective: 2021 Fall Semester

BCIS-28 Microsoft Word for Windows (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers a recent version of Microsoft Word for Windows for students who have an understanding of computers and desire comprehensive knowledge of word processing. Course content includes creating, editing, and formatting documents; creating and modifying headers and footers; inserting objects such as clipart, images, SmartArt, and WordArt; creating, modifying, and customizing tables; merging documents to create letters, envelopes and labels; creating charts; proofing documents; creating and managing shared documents and online forms; and automating process using macros. (Regular Graded) Effective: 2021 Fall Semester

BCIS-33 Skills for the Working Professional (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to identifying essential external and internal communication skills, managing conflict, developing a positive attitude, and creating the professional image for the workplace. (This course is based on materials from the California Community Colleges Governor's Career Technical Education Initiative. Information came from surveys and studies conducted by organizations like Gallup Organization, Pew Research, and the National Association of Colleges and Employers (NACE).) (Regular Graded) Effective: 2020 Fall Semester

BCIS-46 Business Math Calculations (2.00)
Hours: 34.00 Lecture. 17.00 Laboratory.
Transfer Status: Transferable to CSU only.
In this course, students use the features of an electronic calculator to solve business math problems including retail calculations, payroll, and installment buying. Students will develop Ten-Key speed and accuracy using the touch method. (Regular Graded) Effective: 2013 Fall Semester

BCIS-47 Desktop Publishing (2.00)
Hours: 25.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
In this course, students will examine the design principles and elements applied when creating printed documents and use desktop publishing software to create high-quality printed business publications such as newsletters, brochures, and flyers. (Regular Graded) Effective: 2014 Fall Semester

BCIS-50 Office Administration (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course encompasses and integrates the complex and varied technical, procedural, and communication skills required of today's administrative professional. An emphasis will be placed on workplace ethics, human relations, effective communication, time management, and customer service. Additionally, students will engage in discussions about the common procedures practiced in today’s offices including but not limited to managing physical and electronic records, planning and scheduling meetings and events, coordinating business travel, and managing financial documents. Finally, students will create professional-level job application materials and develop interviewing skills. (Regular Graded) Effective: 2021 Fall Semester

BCIS-51 Records Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the increasingly complex field of records management. The class emphasizes the importance of effective records management for all types of documents from their creation or receipt, through their processing, distribution, organization, storage, and retrieval, to their ultimate disposition. Students will investigate the management functions necessary to operate a records management program effectively. (Regular Graded) Effective: 2021 Fall Semester

BCIS-59 Beginning Legal Office Procedures (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces legal terminology, preparation of legal documents and correspondence, and court scheduling. Emphasis is placed on developing legal vocabulary, enhancing legal communication skills, building strong problem-solving techniques, and utilizing technical abilities in a legal office setting. (The students will be asked to evaluate legal issues, determine which forms will be used, and correctly prepare the forms in a timely manner.) (Regular Graded) Effective: 2021 Fall Semester

BCIS-60 Advanced Legal Office Procedures (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course prepares the student for employment as an administrative assistant in a law office. Students are given specialized training to assist lawyers in litigation involving family, civil, personal injury, property damage, probate, and corporate law. (Regular Graded) Effective: 2021 Fall Semester

BCIS-70 Adobe Acrobat Professional (1.00)
Hours: 12.75 Lecture. 12.75 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the current version of Acrobat Pro DC software's major features. Coverage includes interacting with PDFs using multiple devices, creating, scanning, converting, editing, sharing, signing, protecting, & standardizing PDFs. Additionally, ensuring accessibility, applying Bates numbering, redacting sensitive information, and preparing fillable forms will also be covered. (Regular Graded) Effective: 2021 Fall Semester

BCIS-81 Microsoft Excel for Business (1.00)
Hours: 12.75 Lecture. 12.75 Laboratory.
Transfer Status: Transferable to CSU only.
This course is designed for those who want to learn Microsoft Excel for Windows from the perspective of owning or running a business. Course content includes designing and analyzing worksheets and using formulas and functions with an emphasis on accounting principles. (Critical thinking and synthesis will be used in analyzing business needs in the creation of accounting worksheets.) (Regular Graded) Effective: 2015 Fall Semester

BCIS-84 Basics of Computers (1.00)
Hours: 12.50 Lecture. 12.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course provides students who have limited personal computer experience with the basic technology skills needed to customize the Windows operating system user interface; manage files, folders, disks, and drives; operate basic Windows programs; and use basic search features of the Internet Explorer browser to locate information. The focus of this course is on preparing those students who are pursuing careers in business environments. (Regular Graded) Effective: 2012 Fall Semester

BCIS-85 Microsoft Excel for Windows (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course covers a recent version of Microsoft Excel for Windows for students who have an understanding of computers and desire comprehensive knowledge of spreadsheets. Course content includes creating, formatting, and maintaining worksheets; using logical and financial formulas and functions; creating and modifying charts; using visual enhancements; working with tables and data tools; creating vlookup and hlookup reference functions; and creating pivot tables. (Regular Graded) Effective: 2020 Fall Semester

BCIS-97 Special Problems-BCIS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a

Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

BCIS-99 Work Experience-BCIS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

BIOL-Biological Sciences

BIOL-1 Introduction to Biology (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the basic principles and concepts used by biologists to explain how organisms live and survive. Topics include ecology, a survey of the worlds organisms, genetics, evolution, cell structure and function, and energy conversions. (Regular Graded) Effective: 2009 Spring Semester

BIOL-2 Introduction to Human Biology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the basic principles of biology focusing on humans as biological organisms. Topics include chemistry; cell and tissue structure; human body structure and function; human reproduction and development; human genetics, heredity and evolution; and human ecology. An emphasis is placed on the application of principles to current issues, including common human diseases, genetic engineering, and the impact of humans on the world's ecosystems. (Regular Graded) Effective: 2009 Spring Semester

BIOL-5 Ecology and Field Biology (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course will examine animal and plant species and populations as well as their relationships within communities and ecosystems. Topics include population and community structure, relationships between species, biogeography, and biodiversity. Included is the study of the native plants and animals with an emphasis on Butte County from the valley floor into the adjoining landforms of Northern California. The course includes one field trip per week. (Regular Graded) Effective: 2011 Fall Semester

BIOL-7 Sustaining Life on Earth (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course will introduce students to the structure of earth's ecosystems and to environmental issues, past and present from a biological science perspective. Students will be able to perceive and interpret the relative health of environmental systems, and to connect this to the role of humans in sustaining life on earth. To reach this understanding, students will read classic environmental literature as well as current environmental literature. The course will include discussions, field trips and guest speakers as well as student involvement in a campus or local environmental effort. During this course students will be encouraged to recognize that their lives are dependent upon the environment, and that their personal decisions affect the entire natural world. (Once students have learned of the interconnectedness of life on earth, they will analyze how modern environmental problems impact these systems. Students will be asked to critically assess how earth's systems are studied, and also how human behavior and activities influence the earth's ecosystems. Finally, students will be required to synthesize potential solutions to the environmental problems facing life on earth.) (Graded Only) Effective: 2008 Fall Semester

BIOL-9 Current Issues in Biology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the understanding of basic biological principles and how each of these principles affects daily human life. Biological principles include the scientific method, biological macromolecules, cell structure and function, cell division, genetics, DNA structure and function, metabolism, evolution, and ecology. Issues covered include nutrition, stem cell research, cancer, genetic diseases, cloning, genetic engineering, gene therapy, ecological diversity, invasive species, sustainability, and the impact of humans on the environment. (Students will use their understanding of basic biological principles to discuss important current issues in biology. Students will need to demonstrate a thorough understanding of the basic principles on the tests and will need to analyze the current issues in discussions.) (Regular Graded) Effective: 2011 Spring Semester

BIOL-9H Honors Current Issues in Biology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level Current Issues in Biology course. This course utilizes a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, to introduce basic biological principles and how each of these principles affects daily human life. Biological principles include the scientific method, biological macromolecules, cell structure and function, cell division, genetics, DNA structure and function, metabolism, evolution, and ecology. Issues covered include nutrition, stem cell research, cancer, genetic diseases, cloning, genetic engineering, gene therapy, ecological diversity, invasive species, sustainability, and the impact of humans on the environment. (Students will use their understanding of basic biological principles to discuss important current issues in biology. Students will need to demonstrate a thorough understanding of the basic principles on the tests and will need to analyze the current issues in discussions.) (Graded Only) Effective: 2012 Fall Semester

BIOL-10 Survey of Human Systems (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is intended for students in programs such as Emergency Medical Services and Health Information Management. Topics include fundamentals of the structure and function of the human body from an organ system perspective: Key concepts and basic principles of the chemistry of life, cells and tissues, cell physiology, structural organization and physiological principles in organ systems, system integration, and

homeostasis in health and disease. (Not intended for Nursing students). (This course would include system integration and clinical applications which would require independent thinking skills.) (Regular Graded) Effective: 2016 Fall Semester

BIOL-11 Zoology (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course is intended for majors, and includes a survey of animal phyla and non-photosynthetic, single-celled, eukaryotic taxa. It covers the comparative structure, function, and life cycles of animals, as well as principles of evolution, taxonomy, and systematics. Topics include development, morphology and physiology, phylogeny, and behavior of animals, as well as principles of evolution, mechanisms of evolutionary change, and speciation. (C-ID BIOL 150). (Regular Graded) Effective: 2010 Fall Semester

BIOL-12 Botany (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course is intended for majors and covers comparative diversity, structure, and function of plant, fungal, and protistan phyla. Topics include development, morphology and physiology, taxonomy and systematics. Principles of population and community ecology and ecosystem interactions are emphasized. (C-ID BIOL 155). (Regular Graded) Effective: 2009 Spring Semester

BIOL-15 Introduction to Microbiology (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 51 or CHEM 110 or CHEM 1; ; BIOL 1; BIOL 2; BIOL 20; BIOL 21
Transfer Status: Transferable to both UC and CSU.
This course includes the study of the structure and function of viruses, bacteria, fungi and protozoa,with emphasis on the predominant pathogenic members of those groups. Study of basic organicchemistry, genetics, metabolism, microbe-host interactions, the immune response and etiologicalfactors involved in disease are also included. Methods of detection, identification, isolation, culture,enumeration, and control of microbes are provided. Consideration is also given to applied andenvironmental microbiology, as well as biotechnology techniques. Graded only. (This course involves a great deal of critical thinking, both in lecture and in lab. Students must take information provided and re-apply that information to new problems and new situations. Successful students must understand complex processes (protein synthesis, the immune response, metabolic pathways). Lab work, in particular, requires understanding of methods & techniques, applications of those techniques to problem-solving, and analysis of experimental results.) (Graded Only) Effective: 2021 Fall Semester

BIOL-20 Human Anatomy (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. (C-ID BIOL 110B). (Regular Graded) Effective: 2009 Spring Semester

BIOL-21 Human Physiology (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: BIOL 20; CHEM 110; CHEM 1; CHEM 51
Transfer Status: Transferable to both UC and CSU.
Study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors. (C-ID BIOL 120B). (Regular Graded) Effective: 2009 Spring Semester

BIOL-30 Anatomical Preparations (1.50)
Hours: 17.00 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
In this course students dissect a human cadaver and prepare anatomical specimens for use in Butte College Human Anatomy classes. Students will learn proper dissection techniques and pertinent details of the human form needed to complete quality dissection work. (Regular Graded) Effective: 2009 Spring Semester

BIOL-41 Cell and Molecular Biology (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 1; MATH 124
Transfer Status: Transferable to both UC and CSU.
This course is an introductory study of prokaryotic and eukaryotic cell structure and function as well as basic viral structure and reproduction. Attention is given to life processes within cells and to interactions between cells. Coverage includes experimental design and statistical analysis; basic biotechnology concepts and techniques; DNA structure, function, and gene expression; enzyme function; energetics; nutrient cycles in ecosystems; transport mechanisms; cytoskeletal components; cell communication (including nerve impulse conduction and signal transduction); cell reproduction; Mendelian and population genetics; cell evolution; and modern concepts of molecular biology. This course is designed for biology majors. (C-ID BIOL 135S/BIOL 190) (Almost all of the activities in this class require higher-order outcomes that include analysis of data and evidence, synthesis of information and concepts, as well as evaluation of scientific papers. In addition, students design and execute their own research projects which requires them to think critically about experimental design, appropriate controls and incorporating pertinent content from the scientific literature.) (Regular Graded) Effective: 2019 Fall Semester

BIOL-42 Organismal Biology (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 124
Transfer Status: Transferable to both UC and CSU.
This course is intended for majors and includes a survey of the biology and diversity of organisms and emphasizes classification, structure and function of organisms. (C-ID BIOL 130S/BIOL 135S) (Almost all of the activities in this class require higher-order outcomes that include analysis of data and evidence, synthesis of information and concepts, as well as evaluation of scientific papers. In addition, students design and execute their own research projects which requires them to think critically about

experimental design, appropriate controls and incorporating pertinent content from the scientific literature.) (Regular Graded) Effective: 2019 Fall Semester

BIOL-43 Ecology and Evolution (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 124
Transfer Status: Transferable to both UC and CSU.
This course, intended for majors, examines the basic principles governing evolution of organisms and interactions between organisms and the environment, and emphasizes ecological principles and mechanisms of evolution. (C-ID BIOL 130S/BIOL 135S) (Almost all of the activities in this class require higher-order outcomes that include analysis of data and evidence, synthesis of information and concepts, as well as evaluation of scientific papers. In addition, students design and execute their own research projects which requires them to think critically about experimental design, appropriate controls and incorporating pertinent content from the scientific literature.) (Regular Graded) Effective: 2019 Fall Semester

BIOL-95 Special Studies-BIOL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

BIOL-99 Work Experience-BIOL (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

BUS-Business

BUS-8 Introduction to Business Law (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes. (C-ID BUS 125). (Regular Graded) Effective: 2020 Fall Semester

BUS-18 Database Design (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a study of fundamental database design principles and techniques, including data modeling with Entity-Relationship Diagrams (ERD) and the normalization process. Topics include the relational data model, managing data using Structured Query Language (SQL), database management system (DBMS) architecture and operation, and database security mechanisms. Students will apply core concepts and techniques to practical business scenarios. (Regular Graded) Effective: 2012 Fall Semester

BUS-20 Introduction to Business (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is survey of business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. Students will learn about how this business context (including issues such as ethics and sustainability) influences the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. (C-ID BUS 110). (Regular Graded) Effective: 2013 Fall Semester

BUS-25 Introduction to Entrepreneurship (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers the practical considerations, challenges and rewards associated with starting and operating a small business. The course explores how to identify small business opportunities; the factors influencing entrepreneurial success; and financing, marketing, managing, record-keeping and computer applications to support small business operations. Each student will identify a business opportunity, then create a detailed business plan. (Regular Graded) Effective: 2020 Fall Semester

BUS-35 Leading and Supervising Teams (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course invites current and future managers to build foundational skills for leading teams of employees in a diverse, multicultural work environment. The focus is on self-assessment, analyzing to understand work situations, as well as developing leadership skills and strategies. This course emphasizes individual factors impacting success including communication skills, conflict resolution, motivation, decision making, leadership style, and business ethics. (Regular Graded) Effective: 2013 Fall Semester

BUS-40 Introduction to Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines managerial concepts, approaches and tools relevant for organizations operating in today's dynamic, technology-infused and globally-competitive business environment. Focus will be placed on three fundamental management functions: planning, organizing and controlling within an ethics and contingency management framework. Students will explore established perspectives and guidelines as they develop competencies to assist managers in understanding and addressing organizational problems. (Regular Graded) Effective: 2020 Fall Semester

BUS-44 Human Resource Management (3.00)

Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course highlights complex and important issues in current human resources practice, and demonstrates how managers can effectively manage human resources. The course explores Human Resource Management (HRM) issues for today's companies: changing government and legal requirements; new information systems; downsizing; demands for a more skilled workforce; increasing attention to and appreciation for diversity; the global workforce and intensifying global competition; and changing cultural and economic factors. (Regular Graded) Effective: 2013 Fall Semester

BUS-50 Sales Strategies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces personal selling concepts, processes and tools. It emphasizes the importance of ethical, professional conduct; an understanding of consumer behavior; needs-satisfaction selling; and effective two-way communication. Students learn how to find and qualify prospects; establish rapport; ask questions to determine customers' needs; present pertinent product/service features, advantages and benefits; overcome buyers' objections; and close the sale. Students will participate (as buyers, sellers and critical observers) in interactive sales presentations. (Regular Graded) Effective: 2020 Fall Semester

BUS-60 Advertising and Promotion (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the function of promotion in relation to business and society. It looks at promotion as a social and economic institution. Emphasis is placed on integrating marketing communications across multiple platforms including social media and other online spaces to achieve the organizations objective. (Regular Graded) Effective: 2020 Fall Semester

BUS-62 Money & Happiness: Cultural, Psychological and Economic Factors (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course integrates practical financial decision making with the social, psychological, and physiological contexts in which decisions are made. Students will examine the role of money in their lives, set personal goals, and develop plans to meet those goals. Topics include cultural attitudes and beliefs about money, money and relationships, money personalities, consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes. (Regular Graded) Effective: 2020 Spring Semester

BUS-64 Principles of Marketing (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course explores the nature, function and importance of marketing. It focuses on conducting opportunity analysis, assessing consumer behavior, engaging in marketing research, and target marketing as the basis for devising marketing objectives and plans. Students will develop and assess marketing strategies to meet the needs of consumer and business to business (B2B) target markets using the "4 P's": product, promotion, price and place. The emphasis is on ethical, needs-satisfaction, relationship marketing in today's global, technology-infused, competitive environment. (Regular Graded) Effective: 2013 Fall Semester

BUS-66 Retail Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course presents essential concepts in the retailing field, from store location and organization to the purchase, handling, display, pricing and advertising of merchandise. Emphasis is placed on the practical concepts of retail management. (Regular Graded) Effective: 2001 Fall Semester

BUS-68 Web Marketing (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to web marketing tools, strategies, application and measurement. It examines benefits and challenges associated with web marketing technologies including web site development, search engine optimization, online advertising, social media, email campaigns, blog marketing, digital public relations, multimedia and mobile marketing. Students will learn how to create a web marketing strategy and then apply web marketing technologies in a measurable way to achieve business objectives. (Regular Graded) Effective: 2008 Fall Semester

BUS-97 Special Problems-BUS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

BUS-99 Work Experience-BUS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

CDF-Child Development/Family Relations

CDF-12 Child, Family, and Community (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an examination of the process of socialization on the interrelationship of family, school, and community and emphasizing historical and socio-cultural factors. (C-ID CDEV 110). (Regular Graded) Effective: 2012 Spring Semester

CDF-14 Child Growth and Development (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.

This course examines the major physical, cognitive, social and emotional developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between developmental processes and environmental factors including abuse and neglect. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. (C-ID CDEV 100). (Regular Graded) Effective: 2018 Fall Semester

CDF-18 Children with Special Needs (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers issues related to children with varying abilities ages birth through eight. Exploring first the history of related legislation and referral process, teaching practices, philosophies of inclusion intervention methods, and then working respectfully with families. Observations in public or private child development centers or schools are required. (Regular Graded) Effective: 2018 Fall Semester

CDF-20 Curriculum for Children with Special Needs (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. The use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments is specifically addressed. Topics include the role of the teacher as a professional working with families, collaborating with interdisciplinary teams, increasing cultural competence, and strategies to promote and support success in children within relationship-based childcare and educational settings. (The course of objectives will ask students to evaluate programs, policies, law and best practices in the field of special education.) (Regular Graded) Effective: 2015 Spring Semester

CDF-30 Adult Supervision and Mentoring in Early Care and Education (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines methods and principles of supervising student teachers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. (Regular Graded) Effective: 2018 Spring Semester

CDF-40 Observation and Assessment (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course focuses on the appropriate use of assessment and observation tools and strategies to document young children's development and learning. Students will use observation data to inform and plan supportive and developmentally appropriate learning environments and experiences. Recording strategies, rating systems, portfolios, and multiple assessment tools will be explored, along with strategies for collaborating with families and professionals. This course includes 25.5 hours of participation with young children in the Butte College Child Development Center or an approved early childhood Mentor classroom. (C-ID ECE 200). (Students are required to critically compare, evaluate, and apply concepts learned in lecture and in lab.) (Regular Graded) Effective: 2018 Fall Semester

CDF-44 Guiding Children's Behavior (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course focuses on understanding children's behavior to develop strategies that foster healthy social and emotional development. Based on observation and assessment, students will explore techniques for creating individualized and strengths-based interventions, and for establishing relationships that promote a positive learning community in which all children feel safe, valued, and respected. There will also be a focus on applying guidance theories that help support pro-social behavior while considering the child's developmental level as well as family and cultural contexts. (Regular Graded) Effective: 2018 Fall Semester

CDF-48 Principles and Practices of Teaching Young Children (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an examination of the underlying theoretical principles of developmentally appropriate practices applied to programs and environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all children. Early Childhood Education career opportunities and preparation will be examined. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. (C-ID ECE 120). (Regular Graded) Effective: 2009 Summer Semester

CDF-56 Prenatal, Infant, and Toddler Development (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course explores prenatal, infant and toddler development, including physical, cognitive, language, social and emotional growth and development. Students will apply theory and practice to interpret behaviors and interactions between heredity and environmental factors while emphasizing the role of family and relationships in early childhood development. (To successfully complete this course students will problem solve, critique, analyze and evaluate.) (Regular Graded) Effective: 2015 Fall Semester

CDF-57 Teaching in a Diverse Society (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Various classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Course includes self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling. (C-ID ECE 230). (The selected course text is of college level reading. The selected course objectives will ask students to analyze and critically assess various components of teaching in a diverse society.) (Regular Graded) Effective: 2011 Fall Semester

CDF-59 Anti-Bias Curriculum in Early Childhood Programs (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides the opportunity for students to explore issues of cultural diversity, examine curricular approaches to anti-

bias education, and integrate these elements into the development of comprehensive children's programs. This course also provides the opportunity to explore factors leading to culturally responsive child care and education. (Regular Graded) Effective: 2013 Spring Semester

CDF-62 Creative Art Activities for Children (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course teaches students to plan, prepare and implement the materials and techniques of a creative art curriculum for young children. The course includes specific techniques for working with children, parents, and staff, research of the philosophical bases and developmental stages of children's art, and preparation and utilization of specific art media appropriate for use in early childhood education programs. (Regular Graded) Effective: 2012 Fall Semester

CDF-63 Introduction to Early Childhood Education Curriculum (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age eight years. Students will examine a teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment. An overview of learning domains includes: language, social, emotional, physical, cognitive and creative. The course will provide the student the opportunity to develop, prepare, implement and evaluate developmentally appropriate play-based curriculum for young children. This course includes 25.5 hours of lab in an approved (Butte College or Mentor) program. (C-ID ECE 130). (It requires to to evaluate and apply classroom practices.) (Regular Graded) Effective: 2012 Fall Semester

CDF-65 Infant/Toddler Curriculum (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course applies current theory and research to the care and education of infants and toddlers in group settings. The essential policies, principles, and effective practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months are also examined. (Regular Graded) Effective: 2015 Fall Semester

CDF-78 Early Childhood Education Practicum (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CDF 40; CDF 63
Transfer Status: Transferable to CSU only.
This capstone course is a demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning and assessment and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. This course includes fifty-one hours of participation with young children in the Butte College Child Development Center or an approved early childhood Mentor classroom. (C-ID ECE 210). (Regular Graded) Effective: 2018 Fall Semester

CDF-80 Health, Safety and Nutrition (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the laws, regulations, standards, policies, and procedures and early childhood curriculum related to child health, safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. This course will focus on integrating the concepts into everyday planning and program development for all children. (C-ID ECE 220). (This course will ask students to assess, compare and analyze health, safety and nutritional practices in the Early Education.) (Regular Graded) Effective: 2012 Fall Semester

CDF-84 Administration I: Programs in Early Childhood Education (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the administration of early childhood programs, including program types, budget, management, regulations, laws, development and implementation of policies and procedures. The course will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. This course partially meets the administrative units required by the State of California to meet licensing requirements and administrative units for the Child Development Permit. (Regular Graded) Effective: 2015 Fall Semester

CDF-85 Admin II: Personnel & Leadership in Early Childhood Education (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides effective strategies for personnel management and leadership in early care and education settings. Topics include legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. This course partially meets the administrative units required by the State of California to meet licensing requirements and administrative units for the Child Development Permit. (As stated in our course objectives we are asking students to break down materials into parts and to form new structures.) (Regular Graded) Effective: 2015 Fall Semester

CDF-88 Environmental Rating Scales (1.50)
Hours: 25.50 Lecture.
Transfer Status: Transferable to CSU only.
This course will increase the knowledge and skills for providers and teachers using Environmental Rating Scales. These rating scales are used by early childhood education programs to complete a self-study and assessment for quality environments. An emphasis will be placed on learning the criterion and applying fundamental course concepts. (Student will need to know how to apply their knowledge of the criterion to analysis program needs.) (Regular Graded) Effective: 2018 Fall Semester

CDF-91 Parenting in Today's Society (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course applies child development research to inform best parenting practices. Students will learn about social and cultural trends of parental practices including the usage of community resources. Topics covered include parenting styles, education, physical/social-emotional and sexual abuse, substance abuse, youth culture, media impact and parenting a special needs child.

(This course asks for students to analyse parenting strategies, and to demonstrate how to use the NAEYC Code of Ethics to support parent's knowledge on child development.) (Regular Graded) Effective: 2017 Fall Semester

CDF-93 Strengthening Families (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the roles and responsibilities of professionals collaborating with families. An emphasis is placed on current trends and issues with families parenting children between the ages of 0 to 13 years of age. Topics include family growth and development, family structures, challenges confronting the contemporary family, and strategies to strengthen families. (This course objectives ask students to analyse family's growth and development through lifespan, to compare and contrast diverse families and to apply best practices to empower families.) (Regular Graded) Effective: 2016 Fall Semester

CDF-97 Special Problems-CDF (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

CDF-99 Work Experience-CDF (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

CDF-131 ECE Mentor Teacher Seminar (0.50)
Hours: 8.50 Lecture.
Transfer Status: Not transferable
This course provides an opportunity for Early Childhood Mentor Teachers to discuss current issues related to their role as supervisors of early childhood student teachers, plan in-service activities and provide professional support for one another. (Pass/No Pass) Effective: 2012 Fall Semester

CDF-133 Director Mentor Seminar (0.50)
Hours: 8.50 Lecture.
Transfer Status: Not transferable
This course will examine the role of a Early Childhood directors, site supervisors, and other administrators of early childhood programs. Topics include the professional ethics, current events, quality improvement efforts, advocacy, supervision of staff, and the mentoring of colleagues. Seminar content will be individualized to meet the needs of participants. This course enables directors to meet their required professional development hours. (Pass/No Pass) Effective: 2012 Fall Semester

CDF-331 ECE Mentor Director and Teacher Seminar (0.00)
Hours: 8.00-16.00 Lecture.
Transfer Status: Not transferable
This course provides an opportunity for early childhood mentor directors and teachers to discuss current issues related to their role as supervisors of early childhood student teachers, plan in-service activities and provide professional support for one another. (The course engages students in learning how to create a community of practices(COP). Study have demonstrated that COP will increase and build mentoring skills, provide personal support, and strengthen creative collaboration and innovation.) (Ungraded) Effective: 2020 Fall Semester

CDF-388 Environmental Rating Scales (0.00)
Hours: 25.50 Lecture.
Transfer Status: Not transferable
This course will increase the knowledge and skills for providers and teachers using Environmental Rating Scales. These rating scales are used by early childhood education programs to complete a self-study and assessment for quality environments. An emphasis will be placed on learning the criterion and applying fundamental course concepts. (This course will ask students to synthesize and analyze early childhood classroom environments including the identification of areas needing classroom or instructional improvement.) (Ungraded) Effective: 2020 Fall Semester

CHEM-Chemistry

CHEM-1 General Chemistry I (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 110 or CHEM 11 or ; MATH 124
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the basic principles of chemistry with a quantitative emphasis. Topics include atomic theory, chemical bonding, molecular geometry, chemical reactions, stoichiometry, gases, thermochemistry, intermolecular forces and solutions. This is the first semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering. The two-semester sequence of CHEM 1 and CHEM 2 provides the basic chemical background needed for further investigations into our physical environment. (C-ID CHEM 110/120S). (Graded Only) Effective: 2015 Fall Semester

CHEM-2 General Chemistry II (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 1
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of CHEM 1, General Chemistry I. Topics include chemical kinetics and equilibrium, acid-base and solubility equilibria, thermodynamics, oxidation-reduction, electrochemistry, coordination compounds, nuclear chemistry, introduction to organic chemistry and qualitative analysis. This is the second semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering. The two-semester sequence of CHEM 1 and CHEM 2 provides the basic chemical background needed for further investigations

into our physical environment. (C-ID CHEM 120S) (C-ID CHEM 120S = CHEM 1 and CHEM 2). (Graded Only) Effective: 2009 Fall Semester

CHEM-11 Introduction to Chemistry (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course will develop the language of chemistry and quantitative agility needed as a foundation for experimental laboratory work and problem solving in the chemical sciences. It will include a survey of essential chemistry topics (e.g. the periodic table, nomenclature, chemical reactions, stoichiometry, bonding, and solution chemistry) along with fundamental laboratory skills (e.g. observation, analysis, measurements and uncertainty, dilutions and lab safety). This course is intended as preparation for CHEM 1 students who did not successfully complete high school chemistry. (The successful student will need to be able to synthesize data and form conclusions based on their data and concepts learned. Students will need to be able to logically problem solve using simulated and actual data. They will need to apply concepts learned in the lecture and text to actual situations, on paper and in lab.They should be able to recognize when something is wrong with their data or calculations and think through the concepts they have been learning. They should be able to take concepts and practices learned in one situation and apply it to other situations.) (Graded Only) Effective: 2020 Fall Semester

CHEM-21 Organic Chemistry I (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 2
Transfer Status: Transferable to both UC and CSU.
This is the first course in a year-long study of organic chemistry designed for students majoring in chemistry and related science disciplines. It covers fundamental principles of organic chemistry including structure, nomenclature, conformational analysis and stereochemistry. The physical properties, reactions and reaction mechanisms of alkanes, alkyl halides, alcohols, ethers, alkenes, alkynes, and allylic systems are studied. Infrared spectroscopy and Nuclear Magnetic Resonance (NMR) spectroscopy are discussed in detail. (C-ID CHEM 150 & 160S). (Graded Only) Effective: 2015 Fall Semester

CHEM-22 Organic Chemistry II (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 21
Transfer Status: Transferable to both UC and CSU.
This is the second course in a year-long study of organic chemistry designed for students majoring in chemistry and related science disciplines. The physical properties, reactions and reaction mechanisms of conjugated systems, aromatic compounds, carbonyl compounds (aldehydes, ketones, carboxylic acids and their derivatives), amines and biomolecules are studied. Laboratory work includes advanced techniques in reaction conditions, product separation, purification and spectroscopy. (C-ID CHEM 160S) (C-ID CHEM 160S = CHEM 21 and CHEM 22). (Graded Only) Effective: 2016 Spring Semester

CHEM-51 Elementary Inorganic Chemistry (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 108 or MATH 116 or
Transfer Status: Transferable to both UC and CSU.
This is a survey course in the principles of inorganic chemistry, including atomic theory and periodic properties, nuclear chemistry, electronic structure, chemical bonding, stoichiometry, gas behavior, solution chemistry, kinetics and equilibrium, acids and bases, oxidation and reduction, and elementary thermodynamics. It is recommended for allied health or applied science majors. (C-ID CHEM 101). (Graded Only) Effective: 2018 Spring Semester

CHEM-52 Elementary Organic and Biochemistry (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CHEM 51
Transfer Status: Transferable to both UC and CSU.
This course provides an introduction to the chemistry of organic compounds and biochemical compounds and processes. Topics comprise a survey of common organic functional groups and their associated properties including nomenclature, isomerism, reactivity, spectroscopy, and chirality. Biochemistry topics include proteins and amino acids, carbohydrates, lipids, nucleic acids, and metabolism. Recommended for allied health and applied science majors. (C-ID CHEM 102). (Graded Only) Effective: 2018 Fall Semester

CHEM-95 Special Studies-CHEM (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

CHEM-110 Introductory Chemistry (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Not transferable
This course is for the student who lacks the necessary background to enroll directly in CHEM 51 or CHEM 1. The assumption is made that this is the student's first exposure to chemistry. With that in mind, both the philosophy and practice of laboratory chemistry are pursued. The approach to many topics is quantitative and the topics chosen are those that are bothersome to students in more advanced courses. The goal is to prepare students for CHEM 51 or CHEM 1 and further study in chemistry. (Regular Graded) Effective: 2015 Spring Semester

CHIN-Chinese

CHIN-1 First Semester Chinese (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of beginning Mandarin Chinese emphasizing grammar, reading, writing, listening and speaking. It also introduces the student to various aspects of the Chinese culture. Chinese history, traditions and culture will be woven throughout the content of the course. Students who have completed at least one, but fewer than two years of high school Chinese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Chinese. (Through acquiring new linguistic skills in Chinese as well as an awareness of the Chinese culture, students will learn to analyze and compare their own culture and language to another

through practical applications in communicative activities in the target language.) (Regular Graded) Effective: 2011 Spring Semester

CHIN-2 Second Semester Chinese (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: CHIN 1
Transfer Status: Transferable to both UC and CSU.
This course is the second half of beginning Chinese, which further develops the skills of understanding, speaking, reading, and writing Chinese. It continues to introduce students to various aspects of Chinese culture. Students who have completed at least two, but fewer than three years of high school Chinese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should consult the appropriate language instructor before enrolling. (Through further developing linguistic skills in Chinese as well as deepening awareness of the Chinese culture, students will analyze and compare their own culture and language to another through practical applications in communicative activities in the target language.) (Regular Graded) Effective: 2012 Fall Semester

CLP-Career Life Planning

CLP-30 Career Life Planning (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a comprehensive career life planning course with a focus on self-exploration, career exploration, decision making and goal setting, job search strategies, and understanding the world of work in our global economy. Through self assessment students will learn about their interests, personality styles, values, transferrable skills, natural talents and strengths, lifestyle, learning styles, communication styles, and career fitness. (Regular Graded) Effective: 2013 Spring Semester

CLP-101 Career, Education and Life Choices (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This is an introductory personal development course where students learn the skills for goal setting, budget projection, career and educational research, decision-making, and personal management. The course culminates in a 10-year action plan to fulfill educational and career goals. (Some examples: Students are required to demonstrate their ability to analyze career data such as labor market trends through multiple sources to determine level of growth in various industries. They also need to learn how to assess 4-year college's admissions requirements, prerequisites, programs of study, and course outlines to determine how it aligns with their interests, aptitudes, and career goal. Students are also required to create a detailed budget projecting the lifestyle they envision to determine what salary and careers will support this lifestyle. Lastly, students design an elaborate rubric system to analyze and then make conclusions about their best education, career and life choices.) (Regular Graded) Effective: 2017 Spring Semester

CLP-300 Career Development (0.00)
Hours: 30.00 Lecture.
Transfer Status: Not transferable
This course facilitates individual career growth. Topics include career planning theories, work motivation, self-assessment, career-success skills, career research, workforce preparation and readiness, and employment opportunities. (Ungraded) Effective: 2016 Fall Semester

CLP-334 Workforce Readiness Strategies (0.00)
Hours: 48.00 Lecture.
Transfer Status: Not transferable
This course will help students develop attitudes, behaviors, and professional skills that contribute to personal success in work and life. Topics may include strategies that positively impact self-management and self-motivation, including self-assessments, workforce readiness skills, analyzing workplace skills, and personal wellness. Topics may include analyzing workplace skills and skill sets; identifying and seeking job opportunities that match current skills sets; writing an introductory cover letter; constructing a resume and master application; interviewing and keeping a job. (Ungraded) Effective: 2016 Fall Semester

CMST-Communication Studies

CMST-2 Public Speaking (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is the study of the fundamentals of public speaking with an emphasis on extemporaneous style delivery. Focus is placed on critical thinking including: the organization of ideas, the use of research, the development of critical analysis in the construction and consumption of messages and the practice of ethical and mindful communication. (C-ID COMM 110). (Regular Graded) Effective: 2015 Spring Semester

CMST-2H Honors Public Speaking (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level introductory Public Speaking course. Through a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, students will study the fundamentals of extemporaneous public speaking. Emphasis is placed on the organization of ideas, the use of research techniques, and the development of critical analysis for problem solving. (C-ID COMM 110). (1. Students will be reseraching and sythesizing information to create and deliver effective speeches. 2. Students will be analyzing historical and contemporary speeches, their peers' speeches and their own speeches. 3. Students will utilize critical analysis when examining persuasive arguments.) (Graded Only) Effective: 2012 Fall Semester

CMST-4 Small Group Communication (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is the study of theory and research findings and their application to communication in small group contexts. It emphasizes group discussion for problem solving, leadership, listening, information gathering, analysis and public speaking. This class is designed to be experiential and exposes students to small group communication theory and public speaking fundamentals within the context of their own small group

interactions, activities and presentations in classroom settings and real-world environments. (C-ID COMM 140). (Regular Graded) Effective: 2007 Fall Semester

CMST-6 Oral Interpretation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course covers the study and practice of oral skills essential for effective communication of the intellectual and emotional meaning of a literary selection or manuscript to an audience. (C-ID COMM 170). (Regular Graded) Effective: 2007 Fall Semester

CMST-9 Intercultural Communication (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an understanding of the dynamics of intercultural communication. Students will develop knowledge, attitudes, and skills to become more effective intercultural communicators. (C-ID COMM 150). (Regular Graded) Effective: 2007 Fall Semester

CMST-10 Interpersonal Communication (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is the study of theory and research findings and their application to communication in interpersonal relationships in personal and professional contexts. It examines effective and appropriate uses of verbal and non-verbal messages in the initiation, development, maintenance, and termination of interpersonal relationships. Emphasis is placed on the psychological, social, cultural and linguistic factors that affect person-to-person communication. (C-ID COMM 130). (Regular Graded) Effective: 2007 Fall Semester

CMST-12 Forensics (Speech and Debate) (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course prepares students for intercollegiate speech and debate tournaments and/or community events. Preparation includes practice, research, writing and participation in a variety of public presentations. Community events, as well as forensics events, such as debate, platform, limited preparation, oral interpretation, and readers' theatre are emphasized. (C-ID COMM 160B). (Students will critically evaluate materials for a variety of events, construct and deconstruct arguments using units of analysis including evidence, types of proof, underlying values, audience, and fallacies.) (Regular Graded) Effective: 2012 Spring Semester

CMST-13 Gender and Communication (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to gender-related communication, integrating theory and practice in order to heighten awareness of the importance of gender as a communication variable. Emphasis on perception, verbal, nonverbal similarities and differences are examined in interpersonal, small group, and public settings. (Students will analyze the impact of gender and communication through an exploration of theory and practice. Emphasis on perception, verbal and nonverbal communication similarities and differences are examined in interpersonal, small group, and public settings. Evaluation and interpretation of varied content and context will assist students in identfying and utilzing the most useful princples in developing gendered communication competencies.) (Regular Graded) Effective: 2008 Fall Semester

CMST-14 Argumentation and Debate (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course presents basic argumentation theory including research, methods of analysis, use and tests of evidence, refutation, and the logical and ethical responsibilities of advocacy. Emphasis is placed on the preparation and presentation of cases for and against propositions or points of view through debate and public address. (C-ID COMM 120). (Regular Graded) Effective: 2007 Fall Semester

CMST-95 Special Studies-CMST (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

CNST-Construction

CNST-1 Introduction to Construction (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: CNST 5; CNST 10; CNST 15; CNST 20
Transfer Status: Transferable to CSU only.
This course is designed to teach students a broad overview of the construction industry and the opportunities available in this field. Emphasis will be on developing an understanding of the trades, processes, terminology, practices, and documents in the construction field. The student will be introduced to time, equipment, and materials and their relationship to estimating, cost, and performance. (Regular Graded) Effective: 2019 Fall Semester

CNST-5 Plans, Specifications, & Surveying (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: CNST 1; CNST 10; CNST 15; CNST 20
Transfer Status: Transferable to CSU only.
This course will introduce students to reading construction documents and specifications used in civil, residential, commercial, industrial, and specialty construction. The correlation of plans and specifications to the contract documents will be introduced, as well as the use of the plans for material takeoff. The introduction to surveying will cover fundamental surveying methods, field practices in measuring, note taking/mapping, and staking. (Regular Graded) Effective: 2019 Fall Semester

CNST-10 Properties and Applications of Concrete (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.

Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: CNST 1; CNST 5; CNST 15; CNST 20
Transfer Status: Transferable to CSU only.
This course is a study of various types of concrete materials and applications. The students will learn about concrete production, transportation, forming, reinforcing, placing, consolidating, jointing, finishing, and curing. The students will be introduced to foundations, pavements, slabs on grade, structural concrete, and tilt-up/pre-cast concrete. Quality control, quantity take-off, and estimating will be included throughout as they relate to each topic. (Regular Graded) Effective: 2019 Fall Semester

CNST-15 Materials and Methods of Construction (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 20
Transfer Status: Transferable to CSU only.
A comprehensive study of the principle building materials and systems that are found in the construction industry. An in-depth review of how these materials and systems interact together to produce a complete design and project. The class highlights upon materials testing, quality control, green building products, and various project delivery methods. (Regular Graded) Effective: 2019 Fall Semester

CNST-20 Foundations and Concrete Structures (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 15
Transfer Status: Transferable to CSU only.
This course is a comprehensive study of foundations and structures. Students will learn to analyze the practical applications of foundations/structures and the corresponding layout, excavation, form system, and material placement. Modern methods of material delivery and placement for foundations/structures and their forming system are studied and practiced. (Regular Graded) Effective: 2019 Fall Semester

CNST-21 Analysis of Construction Drawings and Specifications (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: CNST 1; CNST 5; CNST 15Concurrent enrollment or completion with a C or better in: CNST 35; CNST 45
Transfer Status: Transferable to CSU only.
This course is an advanced study of reading construction documents and specifications used in civil, residential, commercial, industrial, and specialty construction. The correlation of plans and specifications to the contract documents will be reinforced, as well as the use of the plans for material takeoff. The student will be introduced to the use of plans and specifications for materials quantity takeoff and the correlation to the project estimate. (Regular Graded) Effective: 2019 Fall Semester

CNST-25 Construction Framing (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 15; CNST 20Concurrent enrollment or completion with a C or better in: CNST 30; CNST 35; CNST 40
Transfer Status: Transferable to CSU only.
This course is a study of the theory and practical applications of framing in modern construction of residential and commercial buildings. The students will learn safety as it relates to framing construction and the tools and processes used. The sequence and technique of layout, material selection, and construction will be studied and applied. (Regular Graded) Effective: 2019 Fall Semester

CNST-30 Interior and Exterior Finishes (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 15; CNST 20Concurrent enrollment or completion with a C or better in: CNST 25; CNST 35; CNST 40
Transfer Status: Transferable to CSU only.
This course is a study of the application of interior and exterior finishes common to residential, commercial, and industrial construction. Finish materials will be analyzed for purpose, cost, and ease of installation technique. (Regular Graded) Effective: 2019 Fall Semester

CNST-35 Electrical and Mechanical Systems (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 15; CNST 20Concurrent enrollment or completion with a C or better in: CNST 25; CNST 30; CNST 40
Transfer Status: Transferable to CSU only.
This course is an introduction to Mechanical, Electrical, and Plumbing Systems and the integration of these systems into the building design and construction process. (Regular Graded) Effective: 2019 Fall Semester

CNST-40 Construction Cost Estimating I (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: CNST 1; CNST 5; CNST 10; CNST 15; CNST 20Concurrent enrollment or completion with a C or better in: CNST 25; CNST 30; CNST 35
Transfer Status: Transferable to CSU only.
This course is an introduction to cost estimation in construction. The techniques, organization, and forms utilized in the various construction trades will be analyzed and practiced. The student will learn the procedures for quantity take-off, productivity calculation, bid tabulation, and the formulation of basic overhead and profit calculations through practical applications. (Regular Graded) Effective: 2019 Fall Semester

CNST-45 Construction Graphics (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CNST 1
Transfer Status: Transferable to CSU only.
This course is a study of construction graphics as a representation of our built environment with the ability to communicate 3D forms and ideas through 2D representations and 3D computer models. The focus is on the development of the graphic communication skills needed by the construction professional by establishing a working vocabulary of symbols, details, and views used in construction drawings through lecture and practical application. Students will learn techniques of basic sketching and visualization, as well as an introduction to computer aided drafting and modeling using Sketch-up, Revit, and Navisworks (3D modeling and viewing software tools). (Regular Graded) Effective: 2019 Fall Semester

CNST-50 Construction Cost Estimating II (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a study of the details of construction cost estimating as they effect profit, practicality, contract law, and contractor moral obligations. The students will be introduced to the nuances that will make an estimate viable for project success

and profitability using industry standard procedures and software. (Regular Graded) Effective: 2019 Fall Semester

CNST-97 Special Problems-CNST (1.00-3.00)
Hours:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2019 Fall Semester

CNST-99 Work Experience-CNST (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2019 Fall Semester

COS-Cosmetology

COS-100 Introduction to Cosmetology (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is the first in a seven-course sequence. It introduces students to the history of Cosmetology, career opportunities in Cosmetology, and the skills required to have a successful career in the beauty industry. Students will learn the basic skills and techniques required for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will learn and develop basic skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (Regular Graded) Effective: 2013 Fall Semester

COS-101 Cosmetology I (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 100 or
Transfer Status: Not transferable
This course is the second in a seven-course sequence. Students are introduced to the principles and practices of infection control, anatomy and physiology, and chemistry. Emphasis will be placed upon skin, nail, and hair structure and growth and disorders of hair, scalp, and nails. Students will continue developing the skills and techniques required for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-102 Cosmetology II (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 101 or
Transfer Status: Not transferable
This course is the third in a seven-course sequence. Students are introduced to the basics of electricity, electrical equipment, principles of hair design, haircutting and hair styling. Emphasis will be placed on electrotherapy, light therapy, hair types, facial structure, hair treatments, hair cutting and wet and thermal styling basics. Students will continue developing the skills and techniques for all aspects of hair care, hair cutting, hair treatments, makeup, skin and nail are and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-103 Cosmetology III (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 102 or
Transfer Status: Not transferable
This course is the fourth in a seven-course sequence. Students are introduced to hair braiding, wigs, hair enhancements, chemical services, hair chemistry and structure, principles of hair coloring, and skin diseases and disorders. Emphasis will be placed on chemical hair services including coloring, relaxing and perming, proper application and care of wigs, hair extensions and braids, color theory and skin disorders. Students will continue developing the required skills and techniques for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-104 Cosmetology IV (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 103 or
Transfer Status: Not transferable
This course is the fifth in a seven-course sequence. Students are introduced to hair removal, skin analysis and care, facial massage and makeup application. Emphasis will be placed on temporary and permanent hair removal, skin typing and treatments, facial

massage, proper use of electrotherapy and light therapy, color theory and principles of makeup application. Students will continue developing the required skills and techniques for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-105 Cosmetology V (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 104 or
Transfer Status: Not transferable
This course is the sixth in a seven-course sequence. Students are introduced to nail diseases and disorders, manicuring and pedicuring basics and nail tips, wraps and enhancements. Emphasis will be placed on proper use and disinfection of manicuring tools, manicuring and pedicuring techniques, foot massage, cleaning and disinfection of foot baths and spas and application, maintenance and removal of nail tips, wraps and enhancements. Students will continue developing the required skills and techniques for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-106 Cosmetology VI (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in: COS 105 or
Transfer Status: Not transferable
This course is a capstone course for the cosmetology sequence. Students are introduced to the principles of successful salon business management, and demonstration of proper technique and practice in all aspects of hair, skin and nail care, treatments and procedures. Emphasis will be placed on mastery of the necessary Cosmetology concepts, principles and skills required to pass the California State Licensing exam for Cosmetology. Students will be required to demonstrate mastery of the required skills and techniques for all aspects of hair care, hair cutting, hair treatments, makeup application, skin care and nail care and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry. Students will spend 30 hours in a classroom setting and 210 hours in laboratory activities. Upon completing this course, students are expected to have a minimum of 1,600 hours of applied skill practice required by the State of California Board of Barbering and Cosmetology. (As part of this course and the overall sequence, students are required to read about the correct practice of Cosmetology procedures, and daily translate that written information into practical, demonstrable skills. Additionally, students must synthesize their learning on a daily basis and use it to appropriately address client needs, concerns or requests for salon procedures.) (Regular Graded) Effective: 2013 Fall Semester

COS-107 Cosmetology to Barbering Crossover (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course provides training in barbering for students proficient in cosmetology training and prepares the student for the California State Board Barber examination. Students are introduced to the theory and advanced techniques of preparing the client's hair for shaving, assessing the condition of the client's skin, performing shaving techniques, applying after-shave antiseptic following facial services, massaging the client's face and rolling cream massages. Upon completing this course, students are required to have a minimum of 1,800 hours of applied skill practice required by the State of California Board of Barbering and Cosmetology. (The students are required to complete an analysis of the increasing trends of the Barbering industry. Student have to provided a purpose and explanation of the California Barbering Laws, rules and regulations. Students are required to synthesize the rules of professional ethics in Barbering.) (Regular Graded) Effective: 2016 Spring Semester

COS-108 Manicuring (10.00)
Hours: 55.00 Lecture. 345.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
The manicure course is an intensive course for the student seeking an entry level position in the industry, or for an individual re-entering the job market to develop new skills. Upon successful completion of this course, the student will be eligible to take the state board exam and become a California state licensed Manicurist. (Regular Graded) Effective: 2007 Fall Semester

COS-109 Esthetician (Skin Care) (16.00)
Hours: 110.00 Lecture. 490.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
Upon successful completion of this course, the student will be eligible to take the state board exam and become a California state licensed Esthetician. The skin care course is an intensive course for the student seeking an entry level position in the industry, or for a person reentering the job market with new skills. (Regular Graded) Effective: 2005 Fall Semester

COS-110 Instructor Training (15.00)
Hours: 90.00 Lecture. 630.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course shall consist of technical instruction and practical operations in teaching the art and science of Cosmetology. Technical instruction shall mean instruction by demonstration, lecture, classroom participation, or examination; practical operation shall mean the actual performance by the instructor trainee of teaching techniques and principles. Hours and required technical skills/proficiencies are mandated by the California State Board of Barbering and Cosmetology. (Regular Graded) Effective: 2013 Fall Semester

COS-111 Cosmetology Refresher (5.00)
Hours: 30.00 Lecture. 210.00 Laboratory.

Requisite(s): Completion with a C or better in: COS 106;
Transfer Status: Not transferable
This refresher course is designed for students who have completed COS 100-106 or the equivalent, and have an expired cosmetology license or failed to pass the state licensing examination. Students will brush up on skills and techniques in all phases of hair, make-up, skin and nail care, customer service and professionalism. In addition, students will refresh their skills in human relations, customer satisfaction and professional attitudes that are vital to success in the beauty industry. Upon successful completion of this course and verification of completion of Cosmetology 100-106 or the equivalent, the student will be eligible to take the state board examination and become a California state licensed Cosmetologist. (Students will prepare for written and practical skills testing required by the State of CA Bureau of Barbering and Cosmetology.) (Regular Graded) Effective: 2013 Fall Semester

COS-300 Cosmetology Practicum (0.00)
Hours: 102.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is designed to meet the needs of students preparing to take the state examination for cosmetology licensure, or for those needing to complete additional hours of training required to qualify for the cosmetology state examination. This course reviews skills and protocols required by the State Board of Barbering and Cosmetology. The reinforcement of entry level industry skills are emphasized. (Satisfactory/Unsatisfactory Only) Effective: 2020 Fall Semester

CPE-Community Partners in Education

CPE-308 Functional Academics for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course provides instruction and support for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Functional Academics focuses on learning basic academic skills such as reading comprehension, writing and mathematical skills as well as basic money handling skills and increased awareness and independence in independent living skills. Topics include reading comprehension, writing skills, mathematical skills, money management, daily living skills and self-advocacy. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N/A – non-credit course.) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

CPE-310 Integration into the Community for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Integration into the Community will focus on learning how to become a part of the community and will include social skills, communication skills, problem solving skills, personal safety skills and increasing stamina and endurance for walking or wheeling self safely while navigating uneven terrain in the community. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this program. The ISP will dictate the number of hours each student will spend in this course. (N\A - non-credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-311 Horticultural Arts for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Horticultural Arts will focus on learning how esthetics can enhance the creative experience of growing and tending a garden. Topics will include planning a garden, how fine and gross motor skills can be enhanced by tending a garden, identifying the components of the garden, and how to utilize the vegetables and flowers to enhance daily living activities. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A - non credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-312 Applied Arts for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Applied Arts focuses on learning to utilize a variety of art and craft media to enhance the creative expression of adults with limited ability to communicate in traditional ways. Topics will include stained glass, ceramics, beading and jewelry making, woodworking, and fabric art. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A - non-credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-313 Fine Arts for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Fine Arts focuses on learning to utilize a variety of art media to enhance the creative expression of adults with limited ability to communicate in traditional ways. Topics will include drawing (pencil, charcoal, pastels, pen and ink, etc.), painting (watercolor, acrylic, oil, etc.) and creating individual works of art which can be shown in local venues. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A Non Credit Course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-314 Performing Arts for Persons with Substantial Disabilities (0.00)

Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Performing Arts will focus on developing creative expression and improving communication skills and social interaction through a wide range of performance arts. Topics will include performing skits, plays, stand up comedy, poetry slams, dance and movement, musical instruments and singing. An individual assessment of needs as well as an ongoing individual service plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A - non-credit course.) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-315 Culinary Arts and Nutrition Skills for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course provides instructional support for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Culinary Arts and Nutrition Skills will focus on improving independent living skills. Topics include health and wellness, healthy food choices and the use of gross motor skills for safe cooking. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this program. The ISP will dictate the number of hours each student will spend in this course. (N/A - non credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-316 Health and Wellness for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Health and Wellness focuses on interpersonal skills development through physical and behavioral techniques. Topics include problem solving, breathing and relaxation techniques, attention and focus, sensory awareness, utilization of all five senses, social and personal adjustment, self-advocacy for fostering independence, fine and gross motor skills, and personal care and hygiene. An individual assessment of motor communication and self-help learning needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A non-credit course) (Satisfactory/ Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-318 Communication Skills for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Communication Skills focuses on learning basic techniques for communicating. Topics include ASL, functional gesture practice, articulation practice, making choices, problem solving and social communication skills. An individual assessment of needs as well as an ongoing individual service plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N\A - non-credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CPE-320 Independent Living Skills for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course provides independent living training for persons with substantial disabilities. Independent Living Skills focuses on establishing and maintaining a positive lifestyle, progressing to the highest level of independent functioning, and training in each student's living environment. Topics include health and safety, personal hygiene, cooking/nutrition, exercise, money and time management, medical awareness, problem solving, communication skills, and emergency preparedness. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N/A - non-credit course) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

CPE-322 Group Social Growth for Persons with Substantial Disabilities (0.00)
Hours: 200.00 Laboratory.
Transfer Status: Not transferable
This course provides group socialization training for persons with substantial disabilities through group interaction and activities. Group Social Growth focuses on team building skills, interacting in group settings, and promoting companionship. Topics include group socialization, group timelines, financial obligations, self-advocacy in groups, safety, and community resource assistance. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. (N/A - non-credit course) (Satisfactory/Unsatisfactory Only) Effective: 2010 Fall Semester

CSCI-Computer Science

CSCI-2 Business and Computer Information Systems (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an examination of information systems and their role in business. Focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods through hands-on projects developing computer-based solutions to business problems. (C-ID ITIS 120). (Regular Graded) Effective: 2016 Fall Semester

CSCI-4 Introduction to Programming Concepts and Methodologies (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the fundamental concepts of programming. Students will learn about the software development life-cycle, algorithms, and the design, implementation, and testing of programs using an object-oriented programming language. (C-ID COMP 112). (This course requires that students analyze, design, and express the solutions to complex problems. Students must also apply critical thinking skills to the problem of software

quality, including the efficiency and robustness of algorithms.) (Regular Graded) Effective: 2016 Fall Semester

CSCI-10 Computer Architecture and Organization (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 20
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the organization and behavior of modern computer systems at the assembly language level. Topics include numerical computation, the internal representation of simple data types and structures, data representation errors, and procedural errors. Students will learn how to map statements and constructs of high-level languages onto sequences of machine instructions. (C-ID COMP 142). (Regular Graded) Effective: 2013 Fall Semester

CSCI-11 Introduction to Game Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the concepts, technologies, and techniques of game design and development. The course covers the history of games, basic game theory, the phases of game development, the use of computers and other media in the development of games, and game testing and analysis. Students will explore the ethical and social issues associated with the design, production, and marketing of games. The course emphasizes the importance of teamwork in, and the interdisciplinary nature of, the games industry. (Students will be required to read and analyze design documents for correctness and quality. Students will employ critical thinking skills in the analysis and playtesting of game concepts.) (Regular Graded) Effective: 2008 Fall Semester

CSCI-17 Computer and Network Security/Security+ (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This is an advanced course in computer and network security. This course will prepare students to evaluate, secure and manage network information assurance, and take the CompTIA Security+ certification exam. Course topics include threat management, security standards and protocols (including public key infrastructure and cryptography), intrusion detection and prevention, forensics, system recovery, and disaster planning. The principles of data integrity, user accountability, and policy management will be explored in detail. Students will develop and demonstrate intrusion detection skills utilizing a virtual network to configure and test security procedures. (Regular Graded) Effective: 2015 Spring Semester

CSCI-18 Ethical Hacking (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 17 or ;
Transfer Status: Transferable to CSU only.
Introduction to the principles and techniques associated with the cyber security red team penetration testing or ethical hacking. The course covers planning, scoping, reconnaissance, scanning, exploitation, post-exploitation, and result reporting documentation. The student discovers how system vulnerabilities can be exploited and how to implement and secure systems to avoid problems. This course prepares students for the globally recognized CompTIA PenTest+ Certification test. (Critical thinking skills are required for security test analysis.) (Regular Graded) Effective: 2020 Spring Semester

CSCI-19 Computer Networking Fundamentals (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces the structure, architecture, functions, components and models of the Internet and other computer networks. The course will prepare students to create and maintain data communications networks, and prepare to take the CompTIA's Network+ certification exam. Course topics include: designing, implementing, and maintaining functional communication systems using the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the roles of protocols and services at the application, network, data link and physical layers. A virtualized lab component using NDG NETLabs+ will be included. (Students must read and interpret technical manuals/documents/guidelines to determine the network services required for effective business practices.) (Regular Graded) Effective: 2018 Fall Semester

CSCI-20 Programming and Algorithms I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the discipline of computer science, with a focus on the design and implementation of algorithms to solve simple problems using a high-level programming language. Topics include fundamental programming constructs, problem-solving strategies, debugging techniques, declaration models, and an overview of procedural and object-oriented programming languages. Students will learn to design, implement, test, and debug algorithms using pseudocode and a high-level programming language. (C-ID COMP 122). (Regular Graded) Effective: 2016 Fall Semester

CSCI-21 Programming and Algorithms II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 20
Transfer Status: Transferable to both UC and CSU.
This is a software engineering course, focused on the application of software engineering techniques for the design and development of large programs. Topics include data abstraction, data structures and associated algorithms, recursion, declaration models, and garbage collection. Students will learn to design, implement, test, and debug programs using an object-oriented language. (C-ID COMP 132). (Regular Graded) Effective: 2016 Fall Semester

CSCI-22 Discrete Structures (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 20; MATH 26 or MATH 13
Transfer Status: Transferable to CSU only.
This course 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. (C-ID COMP 152). (The course requires students to analysis and apply a variety of concepts and techniques of discrete mathematics in computer programs.) (Regular Graded) Effective: 2016 Fall Semester

CSCI-23 Systems Analysis and Design (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information

systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. (The course requires critical thinking in the analysis, design, and planning for implementation of IT systems to solve a variety of problems.) Effective: 2017 Fall Semester

CSCI-24 CompTIA Advanced Security Practitioner+ (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 18
Transfer Status: Transferable to CSU only.
In this course, the student will continue to develop and apply critical thinking and judgement in complex security environments. Topics includes enterprise security, risk management and incident response, research and analysis, integration of computing, communications and business disciplines as well as technical integration of enterprise components.This course prepares students for the globally recognized CompTIA CASP+ Certification test. (This is an advanced security analyst, it epitomizes critical thinking) (Regular Graded) Effective: 2020 Fall Semester

CSCI-25 Linux 1 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
In this course students learn the fundamental concepts of the Linux operating system and the basic skills needed to work productively on a Linux system. Topics covered include installation, basic configuration, and package management, fundamental command-line tools, text editing with the vi (visual editor), the File Hierarchy Standard (FHS), processes, and permissions. Students will configure, script, and work exclusively in a shell (text-based, command-line) environment. (Regular Graded) Effective: 2021 Spring Semester

CSCI-26 Linux 2, System Administration (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 25
Transfer Status: Transferable to CSU only.
In this course students learn how to perform basic administration of a multiuser Linux system. Topics include customizing the user environment, user administration, essential system services, networking, and security. Students will perform all essential tasks of a system administrator on a modern Linux distribution. (Students will be presented with challenges that they will need to overcome given the knowledge that they have learned.) (Regular Graded) Effective: 2021 Spring Semester

CSCI-31 Web Development I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 4 or CSCI 20
Transfer Status: Transferable to CSU only.
This course is an introduction to web development using HyperText Markup Language Version 5 (HTML5), Cascading Style Sheets Level 3 (CSS3), JavaScript, and jQuery. Students will learn to design and build standards-compliant front-end/client-side web applications using HTML5, CSS3, JavaScript, and jQuery. (Students must read and interpret the documents describing the standards (HTML5, CSS3) and Application Programmer Interfaces (APIs) relevant to the technologies used in this course.) (Regular Graded) Effective: 2016 Fall Semester

CSCI-32 Web Development II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 31
Transfer Status: Transferable to CSU only.
In this course students learn to develop applications for the World Wide Web. Topics include the fundamentals of web server platforms, programming languages for web development, using databases to persist information for a web application, and web application frameworks. Students will design, implement, and deploy a complete web application using a current programming language, database technology, and web server. (Students will be required to read web standards documents, design articles, and application programmer interface documentation to succeed in this course. Critical analysis of these materials, and application of this information to project work will require students to utilize critical thinking skills at the college level.) Effective: 2016 Fall Semester

CSCI-36 Programming Project (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 21
Transfer Status: Transferable to CSU only.
This is a capstone programming project course integrating software engineering processes, project management, and computer programming skills. Topics include problem formulation, requirements elicitation, design, tools and frameworks, implementation and testing, version control, integration, and documentation. Emphasis will be placed on teamwork to design, develop, and deliver software projects that solve specific problems. (The course will require students to analyze a problem, elicit user requirements for a software system, integrate skills and knowledge acquired in a sequence of courses, and apply project management skills to a real world project.) (Regular Graded) Effective: 2017 Fall Semester

CSCI-40 Cisco Networks Level 1 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
The first course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum introduces the architectures, models, protocols,and networking elements that connect users, devices, applications and data through the Internet and across modern computer networks - including IP addressing and Ethernet fundamentals. By the end of the course, students can build simple local area networks (LAN) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches. (CCNA is technical training that requires development of all those skills.) (Regular Graded) Effective: 2020 Fall Semester

CSCI-41 Cisco Networks Level 2 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 40
Transfer Status: Transferable to CSU only.
The second course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLAN) and security concepts. Students learn key switching and routing concepts. They can perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. (CCNA is technical training that requires development of all those skills.) (Regular Graded) Effective: 2021 Spring Semester

CSCI-42 Cisco Networks Level 3 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 41
Transfer Status: Transferable to CSU only.

The third course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. This course covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Students gain skills to configure and troubleshoot enterprise networks, and learn to identify and protect against cybersecurity threats. They are introduced to network management tools and learn key concepts of software-defined networking, including controller-based architectures and how application programming interfaces (APIs) enable network automation. (CCNA is technical training that requires development of all those skills.) (Regular Graded) Effective: 2021 Fall Semester

CSCI-48 Cisco Networks Level 1 and 2 (4.00)
Hours: 42.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This is an introductory course in computer networking and data communication infrastructure. The focus of this course is to develop the skills required to manage and maintain a Cisco routing and switching infrastructure. It is designed to prepare students to take the Cisco Certified Entry-level Network Technician (CCENT) exam. It is the first of two courses designed to prepare students to take the Composite Cisco Certified Network Associate (CCNA) Routing and Switching certification exam. This course introduces physical and logical network topologies, routing and switching implementation using Cisco networking components. Course topics will include: Local Area Networks (LANs), Virtual Local Area Networks (VLANs), Wide Area Networks (WANs), converged and packet switched networks and protocols, routing and switching components and configurations, network design, installation, management, addressing and security. (Analysis of logical network topology, development of network for hypothetical medium sized business,) (Regular Graded) Effective: 2018 Fall Semester

CSCI-49 PCs and Peripherals/A+ (4.00)
Hours: 42.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This is an introductory course in computer hardware, operating systems and connectivity. The course prepares students to take the CompTIA A+ exams. Students will learn and demonstrate baseline security skills for IT support professionals. They will configure device operating systems, including Windows, Mac, Linux, Chrome OS, Android and iOS and administer client-based virtualization as well as cloud-based (SaaS) software. Students will develop skills to support basic IT infrastructure and networking, troubleshoot and problem-solve core service and support challenges while applying best practices for documentation, change management, and scripting. They will configure and support PC, mobile and IoT device hardware, Implement basic data backup and recovery methods and apply data storage and management best practices. (Students are required to assemble and troubleshoot their computers. Practical exercises will be used to demonstrate a students ability to use the training provided in the course.) (Regular Graded) Effective: 2020 Fall Semester

CSCI-56 Cisco Networks Level 3 & 4, Scaling and Connecting (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 48
Transfer Status: Transferable to CSU only.
This is an intermediate level course in computer networks that enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. The focus of this course is scaling and connecting networks through WAN technologies. It describes the architecture, components and advanced operations of routers and switches, and the network services required by converged applications in a large and complex network. It is the second of two courses designed to prepare students to take the Cisco Certified Network Associate (CCNA) exam. This course will provide students with the skills and knowledge required to analyze, design, build, and maintain small to medium-sized networks; troubleshoot data link and routing protocols and network services. Topics include: Local Area Network (LAN) switching and design, Virtual Local Area Networks (VLANs), trunking protocols, WAN fundamentals and routing protocols, network security, Access Control Lists (ACLs), and network monitoring and troubleshooting. (Regular Graded) Effective: 2019 Spring Semester

CSCI-65 Microsoft SQL Database Administration (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 49
Transfer Status: Transferable to CSU only.
This course prepares students to take the Microsoft Technology Associate (MTA) certification exam for Microsoft Structured Query Language (SQL) Server. Students learn to install and configure a database, create fields, tables, and objects, manipulate data, and administer and troubleshoot a Microsoft SQL Server database. Topics include server instances, server components, security, backup and recovery, performance and availability. (Students are given hands-on labs in which they are required to perform operations that require critical thinking at a college level. Challenging exams containing word problems test the student's ability to analyze common work situations.) (Regular Graded) Effective: 2015 Fall Semester

CSCI-73 Server 2016 Installation, Storage, and Compute (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is the first in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2016 infrastructure. The focus of the course is on the initial installation storage and compute functionalities and configuration of core services for all versions of Server 2016. It includes Hyper-V virtualization configuration and management, deploying Windows containers, clustering, and High Availability options. It is designed to prepare the student for the 70-740 Microsoft Certification Exam. (Students must read and interpret technical manuals/documents/guidelines to determine the Windows server services required for effective business practices.) (Regular Graded) Effective: 2019 Spring Semester

CSCI-74 Networking with Windows Server 2016 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 73
Transfer Status: Transferable to CSU only.
This course is the second in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2016 infrastructure. The focus of the course is on networking features and functionality available in Windows Server 2016. It covers Domain Names Services (DNS), Dynamic Host Configuration Protocol (DHCP), Internet Protocol Address

Management (IPAM), file sharing with Distributed File Systems, remote access solutions and implementation of Software Defined Networking (SDN). Students will learn about new network technology changes and functionality in a Windows Server 2016 enterprise environment. The course prepares students for the Microsoft certification exam 70- 741, Networking with Windows Server 2016 exam. (Students must read and interpret technical manuals/documents/guidelines to determine the Windows server services required for effective business practices.) (Regular Graded) Effective: 2019 Fall Semester

CSCI-75 Identity with Windows Server 2016 (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: CSCI 74
Transfer Status: Transferable to CSU only.
This course is the third in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2016 infrastructure. The focus of the course is on the mastery of advanced Windows Server 2016 services including Active Directory Domain Services, Group Policy, Certificate, Federation Identity and access Services, advanced management and maintenance of a Windows Server 2016 infrastructure. The course prepares students for Microsoft certification exam 70-742 Identity with Windows Server 2016. (Students must read and interpret best practices and technical guidelines to determine the Windows server identity services configuration required for secure access to business resources.) (Regular Graded) Effective: 2019 Fall Semester

CSCI-97 Special Problems-CSCI (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

CSCI-99 Work Experience-CSCI (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

CSL-Counseling

CSL-20 College & Life Success (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course focuses on developing self-knowledge, resources, and skills that result in lifelong success: from college to the future. Students will address the challenges and transitions associated with life and the college years. Students will also explore issues related to diversity and gender and how each influences the individual and group physically, socially, personally and educationally. Students will be exposed to educational theories that affect first year college students. Community and campus resources will be utilized to support students in their learning and development as a whole person. Emphasis will be placed on the importance of understanding and balancing all aspects of self that lead to success in college and life. (Regular Graded) Effective: 2001 Fall Semester

CSL-34 Group Experience - Strategies for Academic, Personal, Career Success (0.50)
Hours: 8.00 Lecture.
Transfer Status: Transferable to CSU only.
This course will provide students with information and activities that lead to academic, personal, and career success. A variety of topics will be covered including: educational planning, study skills and strategies, time management and organization, college policies and procedures, and accessing resources on and off campus. (Regular Graded) Effective: 2013 Fall Semester

CSL-70 Healthy Transitions (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is designed for students who have been placed in foster care. It is comprised of reflective and experiential activities designed to empower students in recognizing and utilizing their abilities and strengths throughout transitions in life. Overarching emphasis will be placed on the topics of wellness, self-care, and mental health. A variety of topics will be covered including: daily habits, stress management, self-care techniques, relationships, emotional health, self-monitoring, and empowering ourselves. (Critical thinking prompts are utilized throughout experiential and writing assignments. Students will contrast course content with their own behaviors and experiences, and create plans to integrate new information into their own lives.) (Pass/No Pass) Effective: 2017 Fall Semester

CSL-95 Special Studies-CSL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

DFT-Drafting

DFT-2 Engineering Graphics I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This is a computer-based engineering graphics course that introduces students to graphical design and problem solving using freehand sketching and a solid modeling application. Topics

include sketching and modeling using extrudes, sweeps, and lofts. Additional topics include assemblies development and detail drawing output. Graphics standards including American National Standards Institute (ANSI) Y14.5 and international standards application will be introduced and practiced. (Regular Graded) Effective: 2012 Spring Semester

DFT-4 Print Reading for Construction and Architecture (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
In this course, students will learn to read and understand drawings and specifications used in construction and architectural applications. Topics include line types, views, dimensions, symbols, sketching, materials, specifications, and estimating. Construction prints, drawings and specifications including residential and non-residential applications are used by students in this course. (Regular Graded) Effective: 2012 Spring Semester

DFT-8 Engineering Graphics II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: DFT 2
Transfer Status: Transferable to CSU only.
In this computer-based engineering graphics course students who have already completed the learning objectives of DFT-2: Engineering Graphics I will be introduced to the use of a solid modeling application for simulation of parts and assemblies using Finite Element Analysis (FEA) methodology. Students will model parts and assemblies and will test them using simulation and engineering analysis. Topics include static, frequency, thermal, vibration and drop test analysis methods. The use of simulation to generate engineering reports will be introduced and reports will be generated. (Regular Graded) Effective: 2012 Spring Semester

DFT-12 Beginning AutoCAD Drafting (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to basic drafting concepts using both freehand sketching and AutoCAD, an industry-standard computer-aided drafting (CAD) application. It is intended for drafting majors, engineering majors, interior design majors and pre-architectural students. Topics include line and geometric shape development, freehand sketching, basic AutoCAD commands, text commands, file management, orthographic and pictorial projection, dimensioning, sectioning, auxiliaries, and architectural drawings using sketching and a two-dimensional (2D) drafting application. Document reproduction, printing and plotting will be introduced and practiced. (Regular Graded) Effective: 2012 Fall Semester

DFT-16 Print Reading For Industry and Manufacturing (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to drawings, symbols and standards used in manufacturing and industrial applications. Topics include line types, views, dimensions, symbols, sketching, geometric dimensioning and tolerancing, version and revision systems and specialty drawings by manufacturing process. Manufacturing prints, drawings and specifications from both manufacturing and industrial applications will be used in the course. (Regular Graded) Effective: 2012 Fall Semester

DFT-24 Architectural Drafting Applications (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This is a computer-based drafting course that introduces the student to architectural drafting applications. Building on basic drafting concepts learned previously, this course will introduce residential design concepts including floor plans, foundation plans and details, elevations, framing and section plans, mechanical, electrical and plumbing plans and engineering site plans. Students will also be introduced to three-dimensional (3D) architectural modeling. Students will prepare a plan set including coversheet, site plan, floor plan, electrical plan, elevations, building section and construction details using AutoCAD. (Regular Graded) Effective: 2012 Fall Semester

DFT-45 Building Information Modeling I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
In this computer-based course students will be introduced to the latest in three-dimensional (3D) modeling for architecture and Building Information Modeling (BIM). Topics will cover architectural modeling and design with BIM tools for parametric design and documentation. The focus of the course is on residential architecture and covers the initiation of a design, the development of a design and production of a presentation and sheet set for a design. (Regular Graded) Effective: 2012 Fall Semester

DFT-46 Building Information Modeling II - Advanced Applications (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: DFT 45
Transfer Status: Transferable to CSU only.
In this computer-based Building Information Modeling (BIM) course, students who have already completed the learning objectives of DFT-45 Building Information Modeling I will be introduced to advanced techniques and concepts of BIM for architectural design applications. Topics will include design options, phasing of design, work sets, site, area analysis, creating in-place and advanced families, massing, and rendering. Students will complete a large scale project with activities spanning the entire course including project phases, project management, material costing and extensive modeling in 3D. (Regular Graded) Effective: 2012 Fall Semester

DFT-97 Special Problems-DFT (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

DFT-99 Work Experience-DFT (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

DRAM-Drama

DRAM-2 Theatre Arts Appreciation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course discusses elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions. (Acting is not required). (C-ID THTR 111). Effective: 2013 Fall Semester

DRAM-4 Creative Drama and Theatre for Children (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course will introduce students to the principles of play selection and/or creative drama as applied to the specialized area of child development majors, elementary, middle, and high school environments. Focus will be given to the practical use of drama as an artistic expression, as a statement of values, and as an instructional strategy. The creative dramatics aspect of the course covers methods of developing creativity and dramatic instincts in children. This course is recommended for future pre-k, elementary, middle, and high school teachers, and recreation specialists. (Students investigate human social development through discussion and research of techniques of expression, learning tendencies in children, and environmental affects on creative growth. Students are guided to investigate creative learning strategies using theatre art as a teaching tool and means of expression.) Effective: 2008 Spring Semester

DRAM-8 Principles of Acting I (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course prepares a 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. (C-ID THTR 151). (Regular Graded) Effective: 2011 Spring Semester

DRAM-9 Principles of Acting II (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: DRAM 8
Transfer Status: Transferable to both UC and CSU.
This course follows DRAM 8 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, monologues, and scenes. (C-ID THTR 152). (Regular Graded) Effective: 2013 Fall Semester

DRAM-10 Rehearsal and Performance for Musical Theatre (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: DRAM 19 Limitation on Enrollment Non Course Requirement: Selected by audition
Transfer Status: Transferable to CSU only.
This course provides instruction and supervised participation in musical theatre rehearsal and performance. Students enrolled in this course will be formed into a company to present a musical production. Each student will participate in a theatrical production in the style of theatre generally termed American Musical Comedy. (By memorizing the lines, developing the characters, interpreting the lyrics of the music.) (Regular Graded) Effective: 2013 Fall Semester

DRAM-11 Youth Outreach Theatre (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Selected by audition
Transfer Status: Transferable to both UC and CSU.
This course provides instruction and supervised participation in theatre rehearsal and performance that will be performed to K-12 level students. (C-ID THTR 191). (By memorizing the lines, and developing the characters) (Regular Graded) Effective: 2013 Fall Semester

DRAM-12 Rehearsal & Performance (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: Limitation on Enrollment Non Course Requirement: Selected by audition
Transfer Status: Transferable to both UC and CSU.
This course provides instruction and supervised participation in theatre rehearsal and performance. (C-ID THTR 191). (Regular Graded) Effective: 2013 Fall Semester

DRAM-14 Theatre Production Workshop (3.00)
Hours: 153.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. (C-ID THTR 192). (Regular Graded) Effective: 2013 Fall Semester

DRAM-15 Costume Construction I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a study of costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. (C-ID THTR 174). (Regular Graded) Effective: 2011 Spring Semester

DRAM-18 Musical Comedy Workshop (3.00)
Hours: 34.00 Lecture. 68.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 30
Transfer Status: Transferable to both UC and CSU.
In this course students will apply their vocal and acting skills in a live performance. Students will also develop the ability to interrelate with other performers utilizing skills intrinsic to musical productions. (Students must memorize spoken dialogue and learn to deliver their lines in a convincing manner. They must also learn any music and/or dancing that is part of the show.) (Regular Graded) Effective: 2013 Fall Semester

DRAM-19 Choreography for Performance (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: DRAM 10 Limitation on Enrollment Non Course Requirement: Selected by audition
Transfer Status: Transferable to both UC and CSU.
This course introduces students to dance styles and choreography used in theatrical performance. Students will learn appropriate warm-up, technique for dance, and strengthening exercises. Topics will include the rules of etiquette and basic

terminology used in theatre and dance production. (Regular Graded) Effective: 2013 Fall Semester

DRAM-21 Introduction to Theatre Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a survey of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment, and construction techniques applicable to all formal theatrical applications. Information is applicable to all formal theatrical applications. Students will work on a series of projects which will culminate in participation as a member on one of the design teams, or as a crew member for a live theatre production. Crew relationships and job responsibilities will be learned and the working relationship between director, designers, artists, and crew members will be established and practiced. (C-ID THTR 172). (Students are expected to unite design concepts, directorial vision, text (script), and talent to express artistic ideas through theatrical performances.) (Regular Graded) Effective: 2013 Fall Semester

DRAM-22 Introduction to Stage Lighting (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. Students will engage in theoretical discussions and review artistic pursuit in lighting design, as well as participate in "hands-on" activities in a practical setting. (C-ID THTR 173). (Students are expected to utilize some sophisticated technical equipment to express artistic ideas and concepts through theatrical performances.) (Regular Graded) Effective: 2013 Fall Semester

DRAM-95 Special Studies-DRAM (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

DRAM-100 Introduction to Professional Theatre (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Transfer Status: Not transferable
This course introduces students to the major aspects of professional theatre production. Emphasis is placed on developing an awareness of the artistry, the scope, and the impact of live theatre presentations. Students are responsible for the entire cost of the field trip, including but not limited to transportation, lodging, meals, and admissions to performances. The instructor will select a genre and a specific production, and will lead the students on a guided field trip to attend the production. (Regular Graded) Effective: 2011 Fall Semester

DSPS-Disabled Students Programs/Services

DSPS-204 Fundamentals of Reading (3.00)
Hours: 51.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Registered with DSPS or Permission of Instructor
Transfer Status: Not transferable
This reading course is designed for students with intellectual disabilities. Each student will be assessed at the beginning of the course and will be provided reading instruction that is closely supervised and individualized based on the results of the assessment. (Regular Graded) Effective: 2012 Fall Semester

DSPS-206 Fundamentals of Math (3.00)
Hours: 51.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Registered with DSPS or Permission of Instructor
Transfer Status: Not transferable
This math course is designed for students with intellectual disabilities. Each student will be assessed at the beginning of the course and will be provided math instruction that is closely supervised and individualized based on the results of the assessment. (Regular Graded) Effective: 2012 Fall Semester

DSPS-207 Fundamentals of College (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course is designed for students with disabilities to help identify and compensate for educational limitations and/or acquire the skills necessary to complete their education objectives. Topics covered includes fundamentals of college, college exploration along with community and college resources. The class will also address motivation for college, self-discipline, and how to address stress factors associated with college. (Students will use critical-thinking skills when they work on their personal learning styles and have to come up with compensatory strategies to address their limitations when it comes to education. Critical thinking will also be utilize when students explore successful techniques for resolving conflicts.) (Regular Graded) Effective: 2020 Spring Semester

DSPS-210 Adaptive Computer Lab (0.50)
Hours: 25.50 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Registered with DSPS or Permission of Instructor
Transfer Status: Not transferable
This is a course involving the use of adaptive computer software and hardware. This course will offer disabled students the opportunity to enhance their skills on a computer via the adaptive hardware and software prescribed for them. The course will be project oriented and will provide students with an opportunity to increase their skills with the prescribed adaptive computer and application software. (Pass/No Pass) Effective: 2012 Fall Semester

ECON-Economics

ECON-2 Principles of Macroeconomics (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 108; MATH 116 or

Transfer Status: Transferable to both UC and CSU.
An introductory course focusing on aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. (C-ID ECON 202). (Regular Graded) Effective: 2010 Spring Semester

ECON-4 Principles of Microeconomics (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: or MATH 116 or
Transfer Status: Transferable to both UC and CSU.
This is an introductory course focusing on choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure. (C-ID ECON 201). (Regular Graded) Effective: 2013 Fall Semester

ECON-20 Economic History of the U.S. (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course studies the origin and development of the American Economy from colonial times to the present. It is a study of changes in and the development of land, labor, capital and entrepreneurship over time. It includes the basis for industrial growth, land and resource use, the transportation revolution, the development of money and banking machinery, changing trade patterns, the rise of organized labor, and the economic growth of government. (Regular Graded) Effective: 2013 Spring Semester

ECON-20H Honors Economic History of the U.S. (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level introductory course examining American economic history. The focus of the course is to examine traditional economic development theory in the context of the growth of the American economy. As an honors course, stress is placed upon the understanding of the basic economic models that seek to describe individual and collective economic behavior. Through a process of critical thinking, primary document analysis and discussion, students will study the origin and development of the American economy from colonial times to the present. (We'll begin with the modern era, reviewing where we are today. After studying each era, we'll take time to reflect on how these strands and their manifestations today reflect influences and events of the past. Further, we'll be exploring our history through William Bernstein's formula for human progress. His thesis is that with the following four factors, societies can enable better standards of living for all citizens. 1.Property rights, 2.Scientific rationalism, 3.Well-developed capital markets, and 4.Communication and transport technology.) (Graded Only) Effective: 2015 Fall Semester

ECON-25 Introduction to Economics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a survey of basic economic concepts. Topics covered include supply and demand, firms' price and output decision making, government regulation, monetary and fiscal policy, current economic issues and factors related to international trade and economic growth. This course is intended for students not majoring in Business Administration. (Regular Graded) Effective: 2013 Fall Semester

ECON-35 Introduction to Environmental Economics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to contemporary environmental issues and policies meant to reduce environmental degradation. The course examines market failures, tools of policy analysis, government pollution reduction policies and their effectiveness. (This course requires students to learn basic economic theory to analyze sustainable economic development strategies.) (Regular Graded) Effective: 2013 Spring Semester

ECON-95 Special Studies-ECON (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

EDUC-Education

EDUC-2 Introduction to Education (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Transitional Kindergarten (TK) and Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's Standards for the Teaching Profession (CSTP), and Teacher Performance Standards (TPS). In addition to class time, the course requires 51 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. (C-ID EDUC 200). (Regular Graded) Effective: 2018 Fall Semester

EDUC-4 Introduction to Para Education (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course will prepare students to instruct and support diverse individuals as a para-educator. Topics include the history, legislation and documentation of special education and instructional strategies for various disabilities and students from diverse backgrounds. Students will be required to complete fifty-one hours of field experience working with Exceptional Populations in the TK-12 classroom environment. (Demonstrate the ability to synthesis an individualized special education plan as provided by the classroom teacher.) (Regular Graded) Effective: 2018 Fall Semester

EDUC-5 Working With School-Age Children (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the ways adults influence the development of the school-age child. Building from a foundation of established theory, students will analyze the role schools and communities

play in the development of the school-age child and their families including current curriculum and classroom strategies. Career options and requirements as well as the role of the para-educator will be examined. (Regular Graded) Effective: 2018 Spring Semester

EDUC-10 Critical Skills for College Success (0.50)
Hours: 9.50 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course is designed to teach specific learning skills in general areas such as reading, writing, math, computer literacy, and study strategies. Requirements for the course include the student's participation in three conferences with Center for Academic Success (CAS) instructors; attendance at eight separate Critical Skills Workshops, each covering a different topic; and completion of homework for each workshop attended. Workshop topics are chosen specific to the individual needs of the student in support of a transfer-level content class selected by the student. (Pass/No Pass) Effective: 2013 Fall Semester

EDUC-20 Tutoring Methods (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This class offers instruction in tutoring methods for students interested in communication skills, effective tutoring practices and learning strategies. Students will practice individual and small group tutoring strategies using simulated case studies. (Regular Graded) Effective: 2010 Fall Semester

EDUC-95 Special Studies-EDUC (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

EDUC-99 Work Experience-EDUC (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

EDUC-100 On Course for Student Success (1.00)
Hours: 17.00 Lecture.
Transfer Status: Not transferable
This first year experience student success course gives students insight into and experience with tools and skills critical for college-level academic success. (Through class discussion, homework and regular writing in journals, students will analyze themselves and their life skills at an appropriate level.) (Regular Graded) Effective: 2009 Fall Semester

EDUC-110 Critical Skills for College Success (0.50)
Hours: 9.50 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is designed to teach specific learning skills in general areas such as reading, writing, math, computer literacy, and study strategies. Requirements for the course include the student's participation in three conferences with Center for Academic Success (CAS) instructors; attendance at eight separate Critical Skills Workshops, each covering a different topic; and completion of homework for each workshop attended. Workshop topics are chosen specific to the individual needs of the student in support of a 100-level content class selected by the student. (Pass/No Pass) Effective: 2013 Fall Semester

EDUC-210 Critical Skills for College Success (0.50)
Hours: 9.50 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is designed to teach specific learning skills in general areas such as reading, writing, math, computer literacy, and study strategies. Requirements for the course include the student's participation in three conferences with Center for Academic Success (CAS) instructors; attendance at eight separate Critical Skills Workshops, each covering a different topic; and completion of homework for each workshop attended. Workshop topics are chosen specific to the individual needs of the student in support of a 200-level content class selected by the student. (Pass/No Pass) Effective: 2013 Fall Semester

EDUC-302 High School Equivalency Exam Preparation (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course is designed to focus on the development of basic skills needed in preparing for the General Educational Development Tests (GED) and High School Equivalency Test (HiSET) for high school equivalency standards. The course includes background on both High School Equivalency (HSE) Testing Programs, describes the four tests and the broad areas covered by the GED and the five tests covered by the HiSET, evaluates student readiness and prepares students for taking the tests. Emphasis will be placed on development of reading in the areas of literary, informational, social studies and science content; writing clarity; math problem-solving, reasoning skills, and calculator skills. (Satisfactory/Unsatisfactory Only) Effective: 2019 Fall Semester

EDUC-310 Supervised Tutoring (0.00)
Hours: 136.00 Laboratory.
Transfer Status: Not transferable
This course provides students tutorial support with instructional aides and student tutors to develop learning skills that enhance classroom achievement. Critical Skills Workshops are offered in many instructional areas. Tutor-supported computer labs are provided for academic use. (Ungraded) Effective: 2011 Fall Semester

EH-Environmental Horticulture

EH-20 Introduction to Environmental Horticulture (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.

Transfer Status: Transferable to CSU only.
This course is an introduction to environmental horticulture including nursery operations, landscaping, turf management and arboriculture. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, transplanting, container gardening, houseplants, plant identification, turfgrass installation and care, and a broad survey of the 'Green Industry' and other career opportunities. (Regular Graded) Effective: 2007 Fall Semester

EH-22 Landscape Construction (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers the fundamentals of landscape construction including: soil preparation, irrigation system construction, paving and construction materials, hand and power tool use, landscape equipment operation, turf and plant installation, water feature construction and maintenance, plan reading and materials estimating. The course includes the role of building codes as they apply to landscape construction. (Regular Graded) Effective: 2019 Fall Semester

EH-23 Fall Plant Identification (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a study of identification, growth habits, culture and ornamental use of fall landscape and indoor plants adapted to climates of California. Plants emphasized will come from the current California Association of Nurseries and Garden Centers (CANGC) and California Landscape Contractors Association (CLCA) Certification Test Plant Lists. This course covers those plants best observed and studied in the fall of the year. (C-ID AG-EH 108L). (Students will analyze plant materials during different stages of growth and defoliation as they approach dormancy in the fall and winter months. These changes may affect the plant's purpose in the landscape.) (Regular Graded) Effective: 2014 Fall Semester

EH-24 Spring Plant Identification (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a study of identification, growth habits, culture and ornamental use of spring landscape and indoor plants adapted to climates of California. Plants emphasized will come from the current California Association of Nurseries and Garden Centers (CANGC) and California Landscape Contractors Association (CLCA) Certification Test Plant Lists. This course covers those plants best observed and studied in the spring of the year. (C-ID AG-EH 112L). (Regular Graded) Effective: 2007 Fall Semester

EH-26 Landscape Planning and Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the principles utilized in planning and designing residential, commercial, and public landscaped areas. Topics include the fundamentals of design, the design process, and client relations. Emphasis will be placed upon the selection and utilization of plants and non-plant materials included in landscape areas. (Regular Graded) Effective: 2007 Fall Semester

EH-28 Turfgrass Management and Equipment (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to establishing, maintaining and managing turfgrasses for sports athletic fields, golf courses, parks, cemeteries, and commercial and residential lawns. Emphasis is placed on identification of various turfgrass species, installation of proper irrigation, environmental requirements, and maintenance practices. (Regular Graded) Effective: 2015 Fall Semester

EH-30 Irrigation Practices and Materials (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the materials, equipment, installation procedures, operation and maintenance of landscape irrigation systems and their components. (Regular Graded) Effective: 2007 Fall Semester

EH-38 Greenhouse Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a survey of the greenhouse industry. Emphasis will be placed on analysis, description, and operation of greenhouses and other forcing structures. The relationship of light, temperature, moisture, aeration, and humidity to plant growth will be described. Emphasis will be placed on potted plants grown for foliage or flowers, cut flowers and bedding plant production. (Regular Graded) Effective: 2007 Fall Semester

EH-40 Wine Grape Cultivation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the science and industry of viticulture including grape growing, history, distribution, biology, anatomy, propagation, cultivated varieties, rootstocks, climate, vineyard practices, common diseases and pests. (Regular Graded) Effective: 2007 Fall Semester

EH-41 Wine Growing Practices - Fall (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course will cover viticulture practices related to wine grapes for the fall and winter season including sugar and acid testing, harvesting, pruning, varietal selection and vineyard development. Emphasis will be placed on practical applications of viticulture. (Regular Graded) Effective: 2007 Fall Semester

EH-42 Wine Growing Practices - Spring (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course will teach viticulture practices related to wine grapes for the spring and summer season including planning and planting a new vineyard, pest control, soils, frost control, irrigation practices, quality control measures and vineyard equipment use. Emphasis will be placed on practical applications of viticulture. (Regular Graded) Effective: 2007 Fall Semester

EH-43 Wine Styles and World Viticulture (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a survey of the world viticulture and wine industries. It covers the following: history of viticulture, wine effects on culture and trade, worldwide grape growing, worldwide wine production and consumption, world wine regions and sensory evaluations. (Regular Graded) Effective: 2007 Fall Semester

EH-44 Wine Vineyard Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is designed for students to learn the responsibilities of vineyard management including diagnosis and correction of problems, vineyard development, financial projections and budgeting, labor contracting, labor supervision, and crop sale

contracts as they relate to wine grapes. (Regular Graded) Effective: 2007 Fall Semester

EH-47 Fall Winery Operations (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers winery operations for the fall season, including grape maturity monitoring; grape harvesting; fermentation, handling and storage of new wines; maintenance of wines from previous vintages; general cellar practices. Students will participate in the operations of the working winery. Students must be at least 21 years of age in order to participate in wine tasting. (Students need to be able to analyze the process and procedure in making wine as well as keeping sound records.) (Regular Graded) Effective: 2011 Fall Semester

EH-48 Spring Winery Operations (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
The course covers winery operations for the spring season, including handling and storage of new wines; maintenance of wines from previous vintages; general cellar practices. Students will participate in the operations of a working winery. Students must be at least 21 years of age in order to participate in wine tasting. (Students need to analyze the process and procedure in making wine as well as keeping sound records) (Regular Graded) Effective: 2012 Spring Semester

EH-60 Principles of Integrated Pest Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers the origin, history, and management of insect, plant pathogen, weed, and other pests of field and horticulture crops. Pest biology and life cycles are studied to demonstrate the use of various Integrated Pest Management (IPM) technologies for economic crop production. Pesticide regulations, application, formulations, and materials for specific uses are covered. (Students need to be able to see a problem with a horticultural or agricultural crop and be able to understand how its symptoms affect and direct its control.) (Regular Graded) Effective: 2011 Spring Semester

EH-61 Plant Protection Materials (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course will introduce the history, laws and regulations, safe and responsible use, toxicology, risks, benefits, and sustainability in the use of horticultural and agricultural chemicals including pesticides, fertilizers, plant growth regulators, defoliants, and antimicrobials. Throughout the course applied examples will be used to generate discussion and aid in the students' ability to formulate integrated agrichemical management programs. (Students will take the topics they have learned in their introductory courses and apply them to actual agricultural crop situations. This will require students be able to utilize higher order thinking skills (application and analysis) to solve a pest problem, a nutrient deficiency, or create an agrichemical application schedule.) (Regular Graded) Effective: 2011 Spring Semester

EH-62 Weed Science and Invasive Plants (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the classification, identification, and life cycles of common poisonous and invasive weeds. Topics include the biological, chemical, cultural, and physical control of weeds. Characteristics of weeds and their identification, and herbicide application will be examined. (Students need to be able to make application and management decisions for different crops being infested by different weed species at various life stages. Since this is a dynamic complex, every situation is different and there is no "cookbook" solution. Students will be taught how to problem solve when put into new scenarios they haven't seen before.) (Regular Graded) Effective: 2014 Spring Semester

EH-66 Orchard Production and Management (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the management of fruit and nut trees. Topics include climate zones, soil selection, financing, farm organization, irrigation systems, field layout, varietal selection, nutritional needs, harvesting, labor management, marketing, and budgeting. (Students need to be able to make orchard management decisions based on the scientific data of their growing region and life stage of the tree crop. Agricultural management varies by location, time, and crop grown.) (Regular Graded) Effective: 2014 Summer Semester

EH-70 Plant Propagation and Nursery Practices (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. (C-ID AG-EH 116L). (Regular Graded) Effective: 2007 Fall Semester

EH-72 Landscape Business Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers the skills and knowledge necessary to be successful in a management position for a landscape company, public/private park system, golf course and other 'Green Industry' operations. Emphasis will be placed on operational procedures of the business such as determining annual overhead, planning for recovery of that overhead, hiring and managing procedures of employees and determining 'true' profit. This course is also designed to encourage development of 'take-off' and bidding skills for the construction industry. (Regular Graded) Effective: 2007 Fall Semester

EH-74 Irrigation System Design (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a study of the design of irrigation and drainage systems. Emphasis will be placed on pipe sizing, friction loss calculations, pressure requirements, pumping stations, points of connection and backflow prevention devices. The students will learn mathematic equations/calculations used for proper design and installation. (Regular Graded) Effective: 2007 Fall Semester

EH-99 Work Experience-EH (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a

maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

EH-130 Introduction to Irrigation Materials (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Transfer Status: Not transferable
This course is an introduction to the materials specified and used in the construction and maintenance of residential and light commercial irrigation systems. (Critical thinking skills are utilized for the layout design, repair, and troubleshooting of irrigation systems.) (Regular Graded) Effective: 2019 Summer Semester

EH-131 Irrigation Practices I (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Transfer Status: Not transferable
This course is an introduction to the practices used in the specification, selection and use of irrigation equipment for construction of residential and light commercial irrigation systems. (Critical thinking skills are utilized for the layout design, repair, and troubleshooting of irrigation systems.) (Regular Graded) Effective: 2019 Summer Semester

EH-132 Irrigation Practices II (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Transfer Status: Not transferable
This course is an introduction to the practices of finish installation, troubleshooting and maintenance of residential and light commercial irrigation systems, as well as reading and interpreting basic irrigation system designs. (Critical thinking skills are utilized for the layout design, repair, and troubleshooting of irrigation systems) (Regular Graded) Effective: 2019 Summer Semester

EMS-Emergency Medical Services

EMS-97 Special Problems-EMS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

EMS-99 Work Experience-EMS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

EMS-110 Emergency Medical Responder (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ;
Transfer Status: Not transferable
This course will instruct students to the level of Emergency Medical Responder (EMR). The primary focus of the EMR is to initiate immediate lifesaving care to critical patients who access the emergency medical system. The course covers the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional Emergency Medical Service (EMS) response and to assist higher level personnel at the scene and during transport. Upon successful completion of the course, students will be eligible to take the exam required for certification as an EMR in the state of California. (The student will use scene information and patient assessment findings to identify and manage immediate life threats and injuries within the scope of practice of the EMR through comprehension, analysis and application.) (Regular Graded) Effective: 2016 Fall Semester

EMS-111 Emergency Medical Technician (8.00)
Hours: 108.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course will instruct students to the level of Emergency Medical Technician (EMT). This course complies with the required course content for the state of California and the curriculum consists of the required U.S. Department of Transportation EMT-Basic National Standard Curriculum. The course includes all skills necessary for the individual to provide emergency medical care at a basic life support level with an ambulance service or other specialized service. Upon successful completion the student will be eligible to take the National Registry Exam required for certification as an EMT in the state of California. (Graded Only) Effective: 2020 Spring Semester

EMS-170 Paramedic-Theory (21.00)
Hours: 306.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is the first of a two-semester long program that provides the Paramedic student the didactic information and skills required to meet the state of California requirements for paramedic training. The course meets accreditation requirements of the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP). The course follows U.S. Department of Transportation Paramedic National Standard Curriculum. Upon successful completion of EMS 170 and EMS 171 the student will be eligible to take the National Registry Exam required for licensure as a Paramedic in the state of California. Anatomy and Physiology will be covered extensively throughout the course. (Graded Only) Effective: 2010 Fall Semester

EMS-171 Paramedic Clinical and Field Internship (15.50)
Hours: 796.00 Laboratory.
Requisite(s): Completion with a C or better in: EMS 170
Transfer Status: Not transferable
This course provides the Paramedic student simulation skills lab, hospital clinical and field internship experience required to meet the state of California requirements for paramedic training. The course meets accreditation requirements of the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP). The course follows U.S. Department of Transportation Paramedic National Standard Curriculum. Upon successful completion, in combination with successful completion of EMS 170, the student will be eligible to take the National Registry Exam required for licensure as a Paramedic in the state of California. (Graded Only) Effective: 2010 Fall Semester

EMS-172 Community Paramedic - Mobile Integrated Health Care (6.00)
Hours: 51.00 Lecture. 170.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course provides training for the licensed paramedic to provide Mobile Integrated Healthcare as a Community Paramedic (CP) within a local Emergency Medical Service Agency provision. Emphasis is placed upon defining the boundaries of the CP role, identifying the social determinants of health, identifying community health needs and available services, and performing community education and outreach to ensure the public is aware of available health services. Students will also be trained in a variety of clinical interventions that are relevant to the role of the CP. (Students are required to analyze and synthesize complex data regarding health status and matching client needs with identified web of resources.) (Regular Graded) Effective: 2014 Fall Semester

EMS-203 Emergency Medical Technician Refresher (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: EMS 111;
Transfer Status: Not transferable
This course meets the requirements for an individual to re-certify as a California State Emergency Medical Technician (EMT). (Pass/No Pass) Effective: 2010 Fall Semester

ENGL-English

ENGL-2 Reading and Composition (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 118; ENGL 119 or
Transfer Status: Transferable to both UC and CSU.
This course develops college-level critical reading and writing practices. Students will critically read expository, argumentative, and fictional texts and develop expository, persuasive, and argumentative academic writing. Essays will demonstrate reading comprehension, analysis, critique, academic research, and synthesis. (C-ID ENGL 100). (Graded Only) Effective: 2013 Spring Semester

ENGL-3 Reading and Composition Intensive (4.00)
Hours: 51.00 Lecture. 34.00 Activity.
Requisite(s): Completion with a C or better in: ENGL 219; ENGL 119
Transfer Status: Transferable to both UC and CSU.
This course builds on literacy practices by developing expository and argumentative writing, awareness of audience, purpose and appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Students will critically read and write primarily expository and argumentative texts that respond to a variety of rhetorical situations and contexts and incorporate college-level research. (C-ID ENGL 100) (It has the same course outcomes as English 2, plus additional outcomes to support attainment of the higher-level ones.) (Graded Only) Effective: 2019 Fall Semester

ENGL-4 Introduction to Literature (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course concentrates on introducing students to a wealth of representative literary works from the major genres. Additionally, the course develops the basic skills necessary in literary analysis, namely critical reading, analytical writing, and research methods. Emphasis is placed on investigating and appreciating the cultural, historical, and aesthetic aspects of literary works chosen from at least four of the five literary genres. (C-ID ENGL 120). (Graded Only) Effective: 2013 Fall Semester

ENGL-6 Creative Writing (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the craft of creative writing through the study and analysis of the works of established and peer writers. Students will practice writing in various genres and will be introduced to the workshop method. (C-ID ENGL 200). (Graded Only) Effective: 2013 Fall Semester

ENGL-8 British Literature I (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introductory survey to the seminal works, genres and eras of the development of literature in English in the British Isles, from the early Medieval to the Renaissance and 17th century, to conclude with the Augustan literature of the 18th century. It is designed for students seeking an introductory survey of British literature, its figures, and movements. Authors include Chaucer, Spenser, Milton, Shakespeare, Swift, and others. (C-ID ENGL 160). (Graded Only) Effective: 2013 Fall Semester

ENGL-10 British Literature II (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introductory survey of British literature's seminal works, genres, and movements, from the late 18th century to contemporary British and post-colonial texts. It pays special attention to major authors from the Romantic, Victorian, and modern periods, and promotes understanding of the major works of these periods within their cultural and historical contexts. Designed for students seeking an introduction to British literature and its key figures, this course should supplement the literary knowledge of humanities students as well as prospective English majors. Authors include Blake, Wordsworth, Coleridge, Austen, Dickens, and others. (C-ID ENGL 165). (Graded Only) Effective: 2013 Fall Semester

ENGL-11 Communication and Critical Thinking (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course offers instruction in argumentation and critical writing, critical thinking, analytical evaluation of texts, research strategies, information literacy, and proper documentation. (C-ID ENGL 105). (Regular Graded) Effective: 2020 Fall Semester

ENGL-14 U.S. Literature I (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of influential works of U. S. Literature from the colonial beginnings through the second half of the nineteenth century. It will include the influence of European and other traditions and cultural backgrounds, as well as various political,

social, economic, ecological, and geographical influences and implications that have sustained, shaped, and inspired Americans. Materials will come from a variety of genres. (C-ID ENGL 130). (Graded Only) Effective: 2013 Fall Semester

ENGL-15 Film as Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course will examine the nature and meaning of the narrative structure of film, placing particular emphasis on literary themes and elements. Through the use of fictional, historical and technical readings, and an examination of a multi-genre range of classic and contemporary films' textual contexts, students will improve their analytical skills, as well as gain a deeper understanding of the dynamics of the written word as the literary foundation of the cinema. (Graded Only) Effective: 2000 Fall Semester

ENGL-16 U.S. Literature II (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of influential works of U. S. Literature from the second half of the nineteenth century to present. It will include the influence of European and other traditions and cultural backgrounds, as well as various political, social, economic, ecological, and geographical influences and implications that have sustained, shaped, and inspired Americans. Materials will come from a variety of genres. (C-ID ENGL 135). (Graded Only) Effective: 2013 Spring Semester

ENGL-20 Introduction to Poetry (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
In this course students will study the contemporary poetry of various cultures, styles and literary movements. Emphasis is placed upon deepening the student's understanding of poetry in a historical and social context. (Graded Only) Effective: 2013 Fall Semester

ENGL-21 Mythology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introductory survey of selected mythologies, including Greek, Hindu, Chinese, Biblical, Native American/ Traditional, Mayan/Toltec/Aztec, European, African, and others. Emphasis is on the cultural importance of the stories and the religious importance of the rituals surrounding the myths. The course will include readings from mythology and scholarly works on mythology. The goal of this course is to produce an understanding of the function and force of mythology. (Graded Only) Effective: 2013 Fall Semester

ENGL-25 Introduction to Shakespeare (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to Shakespeare, his works, and his world through lecture, reading, projects, and discussion. This course analyzes representative tragedies, comedies, histories, and sonnets. (Graded Only) Effective: 2007 Fall Semester

ENGL-26 Queer Film and Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines representations of "queer" sexuality and identity in films and literary texts ranging from turn-of-the-century works that encode homosexuality in an assortment of ways to contemporary works that explore a variety of lesbian, gay, bisexual, transgender, queer, questioning, intersex, asexual, ally and pansexual (LGBTQ+) identities. This course emphasizes the diversity of perspectives on homosexuality and gender that may be found in twentieth-century film and literature, and highlights how texts by self-identified LGBTQ+ authors have responded and contributed to U.S. culture and history. (Students will be required to analyze representations of “queer” sexuality and identity in both the more coded turn-of-the-century works and the more explicit, more diverse contemporary literary texts. Students will synthesize their knowledge of the diversity of perspectives on homosexuality and gender that may be found in twentieth-century literature, and will analyze how texts authored by self-identified LGBT’s have both responded and contributed to U.S. culture and history.) (Graded Only) Effective: 2011 Fall Semester

ENGL-31 Existential Literature: A Literary Approach to Self Integration (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Through a variety of short stories, novels and poems dealing with existential themes, this course will help the student explore the literary, psychological, philosophical and theological implications of defining and taking responsibility for oneself in the quest for self-actualization. (Graded Only) Effective: 2013 Fall Semester

ENGL-35 Cross-Cultural Film and Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course presents a comparative examination of films and literature that reflect the richness and diversity of global cultures. Images, voices, and ideas from a wide selection of countries will be the basis for aesthetic inquiry and understanding. Global cultures, as portrayed through film and literature, will be examined in terms of uniqueness and universality. (Graded Only) Effective: 2008 Fall Semester

ENGL-45 Latino Literature and its Latin American Roots (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of Latino and Latina authors in the United States. The course will trace the origin of Latino works to the literature and culture of various Latin American countries, and then it will demonstrate how Latino literature emerged as a unique artistic form in the United States. All works will be studied within their historical, political, social, gender, economic, and geographical contexts. (All writings and discussions in the class will involve analysis of the literature read and its complex relationship to a myriad of cultural influences.) (Graded Only) Effective: 2013 Fall Semester

ENGL-47 Native American Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course will examine a diverse selection of Native American literary texts from the eighteenth century to the present. Emphasis is placed on historical and cultural context as well as on how texts authored by Native Americans have contributed to U.S. culture and history. (Regular Graded) Effective: 2013 Fall Semester

ENGL-52H Honors Great Works of Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an Honors level introduction to some of the world's great novels, poetry, drama, and essays, including some of the oldest texts of our past. The primary focus will be on analyzing complete works from a variety of genres, eras, and countries. We

will place the texts into context, ascertain what they say to the reader, and identify the tools the authors use to convey their message. Brief works of literary criticism will provide the basis for a wide range of critical approaches such as social, historical, mythological, gender, psychological, cultural, etc. (The scrutiny of literary works results in a multiplicity of questions and possible answers. The students will inevitably be in the situation of having to generate their own queries and tentative answers, based on the readings. As they listen to the questions and answers of others, they will become aware of a great variety of perspectives, all of which may be equally legitimate and well-supported.) (Graded Only) Effective: 2015 Fall Semester

ENGL-53H Honors World Literature (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an honors level survey of important 20th- and 21st-century works of literature by a diverse selection of authors representing different cultures. Short works of theory will provide the foundations for a postcolonial approach to contemporary world literature, but our primary focus will be on reading and analyzing complete novels from as many different contemporary cultures as possible to expose some of the ways that identity, power, law, ethics, economics, and familial structures have been constructed and reconstructed through conflicts within and between these cultures. (Engaging with works of literature that propose difficult questions and multiple and varied answers to these questions, students have to work through their own views and the bases of these views in what they are reading, all the while they remain aware of other perspectives that differ from their own and may be equally legitimate.) (Graded Only) Effective: 2012 Fall Semester

ENGL-60 Creative Writing: Fiction (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course develops an awareness of literary fiction as an art form both through the reading of short works of fiction and writing of exercises and complete stories. Emphasis is placed on the development of essential elements necessary for the writing of fiction and on the workshop format as a method for developing understanding and analysis of fiction. The assignments are interconnected in order to help students incorporate the skills they are practicing into increasingly difficult pieces. (Advanced analysis skills are used in dissecting and discussing other writers' works of fiction. Synthesis is used in taking skills learned from various components such as point of view and setting and bringing them together into a story. The creation of a short story uses highest level critical thinking as seen in Bloom's Taxonomy.) (Graded Only) Effective: 2013 Fall Semester

ENGL-95 Special Studies-ENGL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ENGL-118 Accelerated Composition Workshop, I and II (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
This course combines the content of English 219 and English 119 and prepares students for college-level writing. Students will develop composition, critical reading, and critical thinking skills and an understanding of the choices writers make in different writing situations. Reading and writing processes will be integrated as students implement strategies for comprehending, analyzing, critiquing, and responding to readings in organized and logically developed essays. Additionally, students will conduct basic research and evaluation of sources. (This course emphasizes basic English skills in the context of challenging writing assignments requiring critical reading and thinking.) (Regular Graded) Effective: 2013 Spring Semester

ENGL-119 Composition Workshop II (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course prepares students for college-level writing. Students will implement strategies for comprehending, analyzing, critiquing, and responding to readings in organized and logically developed essays. Additionally, students will conduct basic research and evaluation of sources. (Regular Graded) Effective: 2010 Fall Semester

ENGL-215 Foundations of Writing (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
This course prepares students for reading, writing and critical thinking at an introductory level. The focus will be on using computer systems and library resources to produce a variety of vocational and academic written texts. Texts produced might include inquiry projects, short papers, reading responses, letters, summaries, and journals. Students will also develop an understanding of the choices writers make in different writing situations. (Literal level course.) (Pass/No Pass) Effective: 2016 Fall Semester

ENGL-217 Basic Writing Skills (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
In this course students will develop reading, writing and critical thinking skills at a basic level. The focus will be on using computers, the Internet and library resources to produce a variety of vocational and academic written texts. Students writing might include inquiry projects, essays, reports, reviews, summaries, quick writes and journals. Students will also develop an understanding of the choices writers make in different writing situations. (Not a college level course) (Pass/No Pass) Effective: 2016 Fall Semester

ENGL-218 Accelerated Reading and Writing (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
In this course students will develop reading, writing, critical thinking, and research skills for success in college classes. Emphasis will be on the choices writers make in different writing situations and developing digital literacy to support college writing. Students will use digital and library resources to produce a variety of formal and informal written texts. In the process students will discover campus resources and use metacognitive strategies to improve their learning. (This course emphasizes basic English skills in the context of challenging writing assignments requiring critical reading and thinking.) (Pass/No Pass) Effective: 2017 Fall Semester

ENGL-219 Composition Workshop I (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in:

Transfer Status: Not transferable
In this course students will further develop basic composition, research, critical reading, and critical thinking skills. The focus will be on producing a variety of vocational and academic written texts (including essays, reports, reviews, summaries, quick writes, and journals). Students will also develop an understanding of the choices writers make in different writing situations. (NA--developmental level) (Pass/No Pass) Effective: 2012 Fall Semester

ENGL-319 Grammar and Punctuation for College Writing (0.00)
Hours: 34.00 Lecture.
Transfer Status: Not transferable
This course will support students in producing effective college-level writing. Students will learn how grammar, punctuation, sentence structure, and word choice impact their writing. The focus will be on utilizing critical thinking in regards to how these decisions can be used for various audiences and purposes. Students will read, analyze, and produce a variety of written texts. Coursework is designed to improve the quality of student writing and increase their confidence in college, work, and life. (One of the focuses of this course is on making effective sentence-level decisions based on purpose and audience. It's not just about learning the "right" way to write. It's about analyzing the rhetorical situation and choosing the most effect grammar, punctuation, and word choice for that situation. It will include analyzing professional and student writing.) (Satisfactory/Unsatisfactory Only) Effective: 2019 Fall Semester

ENGR-Engineering

ENGR-1 Introduction to Engineering (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
The course explores the career branches of engineering including the functions of an engineer in various settings and the industries in which engineers work. Topics will span the life cycle of the engineering professions from education to career including guided exploration of educational pathways, time-management, study-skill development through engineering-skill building activities focused on design and creation of products and ethical practices. The engineering process will be used to develop essential project management skills in the context of being introduced to ubiquitous systems used by engineers such as sensors, pneumatics, hydraulics, AC and DC motor control, simple electrical circuits, machine controllers, programming, and computational tools for testing and analysis. A spreadsheet program (Microsoft Excel) and high-level computer language programs (MATLAB) are integral parts of the course. (C-ID ENGR 110) (Regular Graded) Effective: 2016 Fall Semester

ENGR-3 Plane Surveying I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 20 or
Transfer Status: Transferable to both UC and CSU.
The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and Global Positioning Systems (GPS). Extensive field work using tapes, levels, transits, theodolites, total stations, and GPS. (C-ID ENGR 180). (Regular Graded) Effective: 2015 Fall Semester

ENGR-4 Plane Surveying II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ENGR 3
Transfer Status: Transferable to both UC and CSU.
This course introduces students to civil engineering design standards, concepts and procedures related to transportation engineering and construction management. Topics include the standards and design of horizontal curves, vertical curves and earthwork related to transportation projects in addition to survey staking, state plane coordinates, geographic information systems and Global Positioning Systems (GPS) related to project surveying. The laboratory portion of the course includes the application of 3-dimensional graphic modeling software requiring creativity in design, development of construction plans, and operation of modern surveying equipment, such as total stations and GPS. (Regular Graded) Effective: 2015 Fall Semester

ENGR-8 Statics (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 31; PHYS 41
Transfer Status: Transferable to both UC and CSU.
A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Optional additional topics include fluid statics, cables, Mohr's circle and virtual work. (C-ID ENGR 130). (Regular Graded) Effective: 2010 Fall Semester

ENGR-17 Electrical Circuits and Devices (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 42; MATH 40
Transfer Status: Transferable to both UC and CSU.
An introduction to the analysis, construction and measurement of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for Direct Current (DC), analysis, transient, and sinusoidal steady-state Alternating Current (AC) conditions containing resistors, capacitors, inductors, dependent sources, operational amplifiers and/or switches. Elementary circuit design. Practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments. Construction and measurement of basic operational amplifier circuits. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. (C-ID ENGR 260/260L). (Regular Graded) Effective: 2015 Fall Semester

ENGR-45 Materials Science (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 41; CHEM 1

Transfer Status: Transferable to both UC and CSU.
This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. (C-ID ENGR 140B). (Regular Graded) Effective: 2015 Fall Semester

ENGR-97 Special Problems-ENGR (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ENGR-99 Work Experience-ENGR (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

ESL-English as a Second Language

ESL-95 Special Studies-ESL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ESL-300 American Citizenship (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course prepares adult immigrants to complete the naturalization process in order to become U.S. Citizens. Students will develop English language skills (reading, writing, listening, speaking, vocabulary, and grammar) and civics knowledge (history and government) necessary to complete the Application for Naturalization (N-400), Civics Test, Writing Test, Reading Test, and final U.S. Citizenship and Immigration Interview. (NA) (Satisfactory/Unsatisfactory Only) Effective: 2019 Fall Semester

ESL-310 Survival/Life Skills for ESL Students (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course provides a conversational approach to the learning of elementary English. It offers the non-native English speaker practice in verbal communication with special emphasis on literacy and life skills. The introduction to basic literacy skills reinforces spoken and written English. (Satisfactory/ Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-311 ESL Level 1 (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course moves the non-native English speaking student from basic literacy skills to more in-depth practice with foundational grammatical structures and expressions in English. Speaking and listening skills are practiced, with introduction to writing and reading utilizing appropriate level texts. (Satisfactory/ Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-312 ESL Level 2 (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course reinforces and expands a non-native English speaking student’s literacy and communication skills for life, college, and career. It engages students in collaborative activities that integrate reading, writing, speaking, and listening. Intermediate grammar and vocabulary are introduced in context. (Satisfactory/Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-313 ESL Level 3 (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course assists a non-native English-speaking student in developing communication for life, career, and college. Through the integration of reading, writing, speaking and listening activities in English, this course prepares the student to communicate academically and introduces intermediate-to-advanced level grammar structures in context. (Satisfactory/Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-340 Technology Skills for ESL Students (0.00)
Hours: 85.00 Lecture.
Transfer Status: Not transferable
This course will support multilingual students as they acquire English-language and digital literacy practices to become users and creators of digital content. Students will use technology to engage in authentic English communication in a variety of personal, professional, and academic contexts. Students will engage in reading, writing, speaking, and listening strategies by exploring a variety of digital texts, genres, cultural artifacts, platforms, applications, and programs. (This course requires critical thinking in line with the College and Career Readiness Standards and the English Language Proficiency Standards. For example, students must analyze readings and compose digital documents that take into consideration audience and purpose. Students' use of digital technologies will facilitate problem-solving and strategic planning.) (Satisfactory/Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-352A ESL Workforce Training Adult Education (0.00)

Hours: 200.00 Lecture.
Transfer Status: Not transferable
This course is an intensive language acquisition course that prepares non-native speakers of English to enter the work force. The focus is on building communication skills necessary to succeed at entry level positions in a variety of jobs. This course is designed to meet state and county requirements for the CalWORKs program. (NA) (Satisfactory/Unsatisfactory Only) Effective: 2017 Fall Semester

ESL-352B ESL Workforce Training Lab (0.00)
Hours: 64.00 Laboratory.
Transfer Status: Not transferable
This course is an intensive work experience for non-native speakers of English which provides students with direct experience in various work environments, including but not limited to the following: food service, shipping and receiving, child care, grounds, and waste management. This on-the-job experience is integrated with language instruction. This course is designed to meet state and county requirements for the CalWORKs program. (Satisfactory/Unsatisfactory Only) Effective: 2018 Spring Semester

ESL-354 Training-Specific Vocational ESL (0.00)
Hours: 64.00 Lecture.
Transfer Status: Not transferable
These workshops provide non-native English speaking students the opportunity to learn job-specific language needed to obtain gainful employment. Each workshop will have concurrent enrollment with a specific job-training course such as early childhood education, horticulture, construction, etc. (NA) (Satisfactory/Unsatisfactory Only) Effective: 2018 Spring Semester

FASH-Fashion

FASH-6 Introduction to Fibers, Fabric and Textiles (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to fibers and their origin, yarns, basic weaves and fabric finishes, with reference to fabric selection for use in fashion and interior design. Emphasis is placed on the selection, use and care of new fibers and fabrics. The course also examines the impacts of textile laws, regulations and trade agreements. (Regular Graded) Effective: 2020 Fall Semester

FASH-9 Clothing Construction I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This is a beginning course in clothing construction. Topics include pattern selection and layout, selection of fashion fabrics and interfacings, seam finishes and design features. Students will develop their sewing skills though the construction of garments and samples utilizing professional sewing techniques. (Regular Graded) Effective: 2014 Fall Semester

FASH-10 Clothing Construction II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: FASH 9
Transfer Status: Transferable to CSU only.
This is an intermediate course in clothing construction. This course emphasizes construction of a capsule wardrobe focusing on a variety of novelty fashion fabrics. The course emphasizes personal fitting and custom dressmaking utilizing intermediate sewing techniques. (Regular Graded) Effective: 2001 Fall Semester

FASH-13 Fashion Drawing and Illustration (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course will introduce students to the techniques and applications of fashion drawing and illustration: developing the fashion figure with proportion and balance, drawing a variety of garment silhouettes and rendering fabrics and textures. Techniques using a variety of color and black/white media will also be explored. (Regular Graded) Effective: 2020 Fall Semester

FASH-18 Visual Merchandising (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the basic concepts of visual merchandising. Utilizing basic techniques, students create miniature displays, interior displays, and full-scale window productions. Students study current trends and analyze local retail displays. (Regular Graded) Effective: 2020 Fall Semester

FASH-40 Flat Pattern/Draping Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: FASH 10
Transfer Status: Transferable to both UC and CSU.
This is a beginning course in flat pattern and draping design. The focus is on design, pattern drafting and draping for the theater, film and fashion industries. (Regular Graded) Effective: 2020 Fall Semester

FASH-64 Introduction To Fashion/Retail Careers (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the world of fashion and retailing through an in-depth study of the history of fashion, terminology, designers, apparel production and distribution, merchandising techniques, and career opportunities. Career development strategies including resumes, cover letters and interviewing will be addressed. (Regular Graded) Effective: 2020 Fall Semester

FASH-74 Historic Costume (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the history of clothing and costume including the influence of historic attire on current fashion apparel. The course examines the impacts of social class, religion and political conditions on expression through dress. (Regular Graded) Effective: 2020 Fall Semester

FASH-80 Retail Fashion Buying (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the process of buying fashion merchandise for ultimate purchase by consumers. Topics include the principles and practical application of fashion buying, the role of the fashion buyer and the techniques of handling the complete buying-selling cycle. (Regular Graded) Effective: 2020 Fall Semester

FASH-90 Fashion Promotions (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.

Transfer Status: Transferable to CSU only.
This course introduces students to contemporary fashion productions including fashion shows, fashion videos, and retail promotions. Students will learn how to plan and produce various aspects of fashion promotions including event marketing, show staging, lighting, music, models, modeling, writing commentary, and directing rehearsals. (Regular Graded) Effective: 2020 Fall Semester

FASH-97 Special Problems-FASH (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

FASH-99 Work Experience-FASH (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 1991 Fall Semester

FN-Food & Nutrition

FN-2 Nutrition (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines the scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs. (C-ID NUTR 110). (Regular Graded) Effective: 2016 Fall Semester

FN-8 Maternal and Child Nutrition (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the nutrition required for optimal physical and mental development of children from conception through adolescence. Topics include the nutritional requirements of pregnant and lactating women, infants, children, and adolescents, social and cultural influences on optimal nutrition, and the ability to recognize and manage developmental feeding disorders. (This course requires students to analyze feeding disorders in infants and children and their possible causes and treatments. They also have to differentiate between proven nutritional recommendations and speculative, non proven nutrition information.) (Regular Graded) Effective: 2017 Fall Semester

FN-10 Food Safety and Sanitation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to principles of food safety and Hazard Analysis and Critical Control Points (HACCP) as it applies to the food industry. As part of the course the student will receive a ServSafe® Certification from the National Restaurant Association Education Foundation and an approved HACCP certification if they receive a minimum of 75 percent on the respective examinations. (The Food Safety and Sanitation portion of the course will require students to assimilate proper food handling and present a training session. For the Hazard Analysis and Critical Control Point (HACCP)portion, students will be required to analyze the food safety hazards in a food processing industry. As part of that analysis, they will identify points of possible contamination and provide a plan to prevent contamination. The final piece of the HACCP Plan is to verify and validate the plan.) (Regular Graded) Effective: 2016 Fall Semester

FN-12 Introduction to Food Science (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
Application of food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food. This course is recommended for nutrition, dietetics, and food science majors. (C-ID NUTR 120) (Students will study each food group in detail and the effect of each in prepared food. In conjunction with the lab, students will evaluate the foods prepared and explain the purpose of each ingredient and the impact of various cooking methods. Maintaining nutrient content during food preparation is an important concept that will be discussed during lab.) (Regular Graded) Effective: 2021 Fall Semester

FN-15 Introduction to Nutrition, Dietetics and Food Science (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an exploration of the professional scope of practice, career opportunities and educational requirements in the field of nutrition, dietetics, food science and other related professions. Students will be introduced to the professional roles, ethics, skills, responsibilities, opportunities, and professional associations in the degree of Nutrition, Dietetics and Food Science. Students will identify campus resources that support academic success. (Regular Graded) Effective: 2018 Fall Semester

FN-50 Nutrition and Diet Therapy (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces the basic principles of nutrition related to health and disease. The course focuses on the diseases that affect nutritional status and the medical nutrition therapy that is used to manage and treat these conditions. (Regular Graded) Effective: 2018 Spring Semester

FN-97 Special Problems-FN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day

of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

FN-99 Work Experience-FN (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

FREN-French

FREN-1 First Semester French (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of beginning French emphasizing grammar, reading, writing and speaking. It also introduces the student to various aspects of the cultures of French-speaking regions. Students who have completed at least one, but fewer than two years of high school French (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester French. (Regular Graded) Effective: 2009 Fall Semester

FREN-2 Second Semester French (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: FREN 1
Transfer Status: Transferable to both UC and CSU.
This course is the second half of beginning French, which further develops the understanding, speaking, writing and reading skills. It continues to introduce students to various aspects of the cultures of French-speaking regions. Students who have completed at least two, but fewer than three years of high school French (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should consult the appropriate language instructor before enrolling. (Regular Graded) Effective: 2009 Fall Semester

FREN-95 Special Studies-FREN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

FSC-Fire Science/Academy

FSC-2 Introduction to Fire Science (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides an overview of fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; 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; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. (C-ID FIRE 100-X) (Regular Graded) Effective: 2018 Spring Semester

FSC-4 Fundamentals of Fire Behavior and Combustion (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course explores the theories and fundamentals of how and why fires start, spread and are controlled. (Regular Graded) Effective: 2018 Spring Semester

FSC-6 Fire Tactics and Strategy (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the principles of fire control in municipal and suburban environments. It includes an overview of the utilization of human resources, equipment and extinguishing agents on the fireground. (Regular Graded) Effective: 2001 Fall Semester

FSC-8 Principles of Fire Safety (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services. (Regular Graded) Effective: 2018 Spring Semester

FSC-10 Building Construction for Fire Protection (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations and operating at emergencies. (C-ID 130-X) (Regular Graded) Effective: 2018 Spring Semester

FSC-12 Fundamentals of Fire Prevention (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course provides fundamental knowledge relating to the filed of fire prevention. Topics include: history and philosophy of fire prevention; organization of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. (C-ID FIRE 110X) (Regular Graded) Effective: 2018 Spring Semester

FSC-14 Fire Protection Equipment and Systems (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.

This course provides information relating to the features of design and operation of fire alarm systems, water-based suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers. (C-ID FIRE 120-X) (Regular Graded) Effective: 2018 Spring Semester

FSC-16 Fire Company Organization and Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to fire department organizations. It includes an overview of organizational structure, and an in depth examination of the role of the company officer. Planning, organizing, supervising and managing to meet the needs of the fire department mission are emphasized. (Regular Graded) Effective: 2001 Fall Semester

FSC-18 Basic Wildland Firefighting (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course prepares students to meet the requirements to qualify and seek employment as a Type 2 Wildland Firefighter. It provides students with fundamental knowledge of wildland fire behavior, control, prevention and firefighter safety. Students will learn suppression and survival methods and techniques, and the use of hand and power tools and burning devices in the suppression of wildland fires. Upon successful completion of this course, students will be awarded certificates for the following National Wildland Fire Training courses: S-110 Basic Wildland Fire Orientation; S-130 Firefighter Training; S-190 Introduction to Wildland Fire Behavior; L-180 Human Factors in the Wildland Fire Service; I-100 Introduction to Incident Command System and NIMS 700 Introduction to National Incident Management System. (Regular Graded) Effective: 2018 Spring Semester

FSC-97 Special Problems-FSC (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

FSC-99 Work Experience-FSC (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

FSC-100 I-300 Intermediate Incident Command System (1.00)
Hours: 24.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
The course expands on the Basic Incident Command System course (ICS 1-200) by providing additional description and detail of the organization and operation of the Incident Command System (ICS). Emphasis is placed on preparing students for supervisory roles in expanding incidents. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-101 I-400 Advanced Incident Command System (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course expands on the Intermediate ICS course (I-300). Students in this course will be provided with the knowledge and skills associated with executive level authority, decision making and operational understanding in the Incident Command System (ICS) at large, single-agency and complex multi-agency/multi-jurisdictional incident responses. Topics covered include fundamentals review for command and general staff, major and/or complex incident/event management, area command and Multi-agency Coordination (MAC). (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-102 Incident Management 2 (1.50)
Hours: 24.00 Lecture. 16.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This is an introductory all-risk control course which stresses the management and decision-making responsibilities of the initial attack Incident Commander in fire operations. The students will have the opportunity to plan, organize, direct and control their resources to meet a series of simulated emergency situations ranging from medical to hazardous material, to wildlife fire to structural fire control. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-103 Progressive Discipline (0.25)
Hours: 4.25 Lecture.
Transfer Status: Not transferable

This course prepares students for work in increasingly responsible roles as supervisors and managers. Students will learn the role and responsibility of the supervisor in the progressive discipline process, and receive instruction on the differences between prevention, corrective action and adverse plan. Documentation of performance issues in employment will be emphasized. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-104 Supervision 2 (2.00)
Hours: 40.00 Lecture.
Transfer Status: Not transferable
This course is next in a series which prepare the student for increasingly responsible roles as a manager in the fire service. Students will be provided with the knowledge and skills necessary to develop an effective style of supervision and leadership. Emphasis will be placed on the topics of time management, progressive discipline and the development of team work. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-105 Fire Academy Physical Training (2.50)
Hours: 10.00 Lecture. 118.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: FSC 106
Transfer Status: Not transferable
This course prepares fire science students for the pre-employment physical ability test in the Firefighter I Academy. Emphasis is placed on lifetime fitness, principles of physical fitness, individual fitness programs, managing body composition, stress indicators and management, nutrition, development of muscular strength and cardiovascular efficiency. Students will undergo physical assessment at the onset and conclusion of the course. This course meets California State Fire Marshall certification requirements. (Students must recognize the importance of physical fitness in order to be a firefighter.) (Regular Graded) Effective: 2016 Fall Semester

FSC-106 Firefighter I Academy (25.50)
Hours: 298.50 Lecture. 423.50 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: FSC 105
Transfer Status: Not transferable
This course conforms to standards for certification established by the California State Board of Fire Services. Instruction includes basic psychomotor firefighter skills, fire behavior, personnel rules and regulations, professional organizations, fire control techniques and strategies, fireground operations, equipment operations, Incident Command System (ICS), Hazardous Materials (HazMat) operations, terrorism concepts, and loss control. Meets the requirements for certification as an Emergency Medical Technician (EMT). (In order to conduct water rescues, the student must be able to recognize and troubleshoot problems with watercraft and identify hazards in the water.) (Graded Only) Effective: 2019 Spring Semester

FSC-111 CAL FIRE Basic 69 Hour Course (3.00)
Hours: 45.00 Lecture. 24.00 Laboratory.
Transfer Status: Not transferable
This course provides students with the fundamental knowledge of the factors affecting wildland fire behavior and control, as well as firefighter safety. With successful completion of this course, students will receive the basic fire training certifications to qualify for entry-level employment with CAL FIRE or a federal wildland firefighting crew. (Students will apply the principles of wildland fire control to the role of a firefighter under wildland fire control operations.) (Pass/No Pass) Effective: 2011 Winter Semester

FSC-117 C-362 Cost Unit Leader (1.50)
Hours: 32.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to be able to function as a Cost Unit Leader in an Incident Command System (ICS) organization. Topics covered include setting up systems for collecting and documenting expenditures related to incidents, establishment of procedures for collecting cost data, coordination with various related personnel, and preparation of reports in accordance with standard policies and procedures. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-118 C-363 Compensation/Claims Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course will prepare the student to be able to function as a Compensation/Claims Unit Leader in an Incident Command System (ICS) organization. Emphasis will be placed on development of systems for investigating, documenting and processing claims; initiating investigation of claims; and preparation of claim reports in accordance with standardized policies and procedures. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon

the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-119 C-365 Time Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is intended to prepare the student to serve in a position as an Incident Command System (ICS) Time Unit Leader. Students will learn the basic duties and responsibilities of the Time Unit, forms and methods for documenting personnel work time, and how to organize, establish then demobilize a Time Unit at an ICS incident. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-120 C-368 Procurement Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to serve in a position as an Incident Command System (ICS) Procurement Unit Leader. Topics covered will include basic duties and responsibilities of the Procurement Unit, development and use of an incident procurement plan, contracts and agreements with vendors, orders and invoicing and Unit demobilization. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-121 Basic Purchasing (1.00)
Hours: 24.00 Lecture.
Transfer Status: Not transferable
This course introduces the student to policy, procedures and methods of purchasing goods and services on behalf of the State of California and CAL Fire. Emphasis will be placed on preparation and submission of documentation and records related to purchasing. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-122 S-354 Facilities Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares students to perform the job of Facilities Unit Leader in an Incident Command System (ICS) organization. Topics covered in the course will include operational leadership, mobilization, arrival at incidents, risk management, safety and tactics, demobilization and post-incident responsibilities. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-123 S-355 Ground Support Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to perform the job of Ground Support Unit Leader in an Incident Command System (ICS) organization. Topics covered will include the purpose of the Ground Support Unit, resources, equipment inspections, operation of the Ground Support Unit and demobilization. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-124 S-356 Supply Unit Leader (1.50)
Hours: 32.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course will provide the student with the skills and knowledge necessary to perform the duties of the Supply Unit Leader within the Incident Command System (ICS). Subjects covered include organization of the supply function, relationships with other functions, operations of the supply function and demobilization. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-127 S-359 Medical Unit Leader (1.00)
Hours: 24.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is intended to prepare the student to serve in a position as an Incident Command System (ICS) Medical Unit Leader. Topics covered include information gathering, organization of the Medical Unit, supervision of the Unit, response to medical emergencies, documentation and demobilization. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-128 S-330 Task Force/Strike Team Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares students to assume roles as an Incident Command System (ICS) Strike Team or Task Force Leader. It includes an overview of related tactics and strategy, and meets the S-330 training requirements of the National Wildfire Coordinating Group (NWCG), and the California Incident Command Certification System (CICCS). (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-129 S-339 Division/Group Supervisor (1.00)
Hours: 24.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares students to perform the role of Incident Command System (ICS) Division/Group Supervisor (DIVS), and provides instruction in support of the specific tasks of the DIVS. Topics covered include Division/Group management, organizational interaction, division operations, all-hazard operations and tactical decision making. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-132 Incident Management 3 (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is third in a series intended to prepare the student for roles from Initial Attack Incident Commander to Extended Attack Incident Commander. This course will expand on the concepts and principles introduced in Incident Management 2, and prepare the student for assuming higher levels of incident command responsibility. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-133 S-390 Introduction to Wildland Fire Behavior Calculations (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is designed to introduce the student to conducting fire behavior calculations by manual and electronic methods. Students will gain an understanding of the determinants of fire behavior through studying environmental inputs, as well as how to determine fire behavior outputs. Instruction will also be provided on documentation processes and fire behavior briefing components. Students should expect several hours of homework related to fire behavior calculations each night. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Fall Semester

FSC-134 S-342 Documentation Unit Leader (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to work as a Documentation Unit Leader in the Incident Command System (ICS). Emphasis will be placed upon the basic responsibilities of the position, establishing, organizing and maintaining incident files, production of a final documentation package and demobilization. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical

decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-135 S-244/245 Field Observer/Display Processor (2.00)
Hours: 36.00 Lecture. 4.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the Planning Section Field Observer/Display Processor in developing basic skills in this highly technical and critical fire service position. Topics include identifying and interpreting maps, making map calculations, using observation aids, weather observations, fuels, and making field observations. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-136 S-346 Situation Unit Leader (1.50)
Hours: 28.00 Lecture. 12.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to serve in a position as an Incident Command System (ICS) Situation Unit Leader. Students will learn to activate, set-up, organize, manage and demobilize a situation unit. Students will also become familiar with typical Situation Unit work products such as maps, ICS-209 forms, basic reports, and the technology that is required to produce these products. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-137 S-347/349 Demobilization/Resource Unit Leader (2.00)
Hours: 40.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course prepares the student to work as a Demobilization/ Resource Unit Leader within the Incident Command System (ICS). The duties and responsibilities of the position are addressed, and materials required to function in the position are also discussed. (The very nature of public safety in general and the fire service in particular is that personnel employed therein are required to respond and participate in the handling of major incidents. To that end, following completion of the course in this program, student will actually be assigned at various times to work in the assignments this course prepared them for. In order to insure field readiness, there is extensive simulation/scenario work completed in class where students are required to apply the concepts they have learned, exercise their own judgement and make their own critical decisions based upon the learning that has taken place in class.) (Pass/No Pass) Effective: 2016 Spring Semester

FSC-201E Confined Space Rescue Operations (1.30)
Hours: 11.00 Lecture. 29.00 Laboratory.
Transfer Status: Not transferable
A study of the role of rescue personnel responding to a Confined Space incident. This course provides instruction in identifying confined spaces and permit-required confined spaces, the hazards associated with entering such spaces, target industries that possess these spaces and laws regulating entries/ rescues performed in confined spaces. Participants will be taught the mandatory aspects of confined space entries and rescues including monitoring, ventilation, lock-out/tag-out, retrieval and communication systems, respiratory protection, etc. The course is designed for those personnel who are likely to make routine or rescue entries into confined spaces. Meets CSFM certification requirements. (Pass/No Pass) Effective: 2009 Spring Semester

FSC-203Z Fire and Safety Training Orientation (1.10)
Hours: 8.00 Lecture. 32.00 Laboratory.
Transfer Status: Not transferable
This course will cover Basic Fire Suppression tactics and Rescue skills. Its focus will be on creating a diverse and non-threatening learning environment for the education of youth in safety, rescue and emergency activities. (Pass/No Pass) Effective: 2006 Fall Semester

GEOG-Geography

GEOG-2 Physical Geography (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). (C-ID GEOG 110). (Regular Graded) Effective: 2016 Fall Semester

GEOG-3 Physical Geography Lab (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: GEOG 2
Transfer Status: Transferable to both UC and CSU.
This course is designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. (C-ID GEOG 111). (Regular Graded) Effective: 2016 Fall Semester

GEOG-4 Cultural Geography (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions. Topics include: demography, languages and religions, urbanization and

landscape modification, political units and nationalism, and economic systems and development. (C-ID GEOG 120). (Regular Graded) Effective: 2016 Fall Semester

GEOG-8 World Regional Geography (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. (C-ID GEOG 125). (Regular Graded) Effective: 2016 Fall Semester

GEOG-10 Geography of California (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
A thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical, and human landscapes that have evolved as a result of the human-environment interface. (C-ID GEOG 140). (Regular Graded) Effective: 2016 Fall Semester

GEOG-12 The American West (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a topical survey of the American West from the Great Plains to the Pacific, emphasizing both historical and contemporary interpretations of settlement, resource management, economic development, and urbanization. Particular emphasis is placed on how various cultural groups with differing social, political, and religious values have each made a unique impact upon the western landscape. (Regular Graded) Effective: 2010 Spring Semester

GEOG-20 Introduction to Geographic Information Systems (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Explores how GIS solves spatial problems, such as those in natural resources, earth and life sciences, environmental planning, local government, business, transportation and other fields. (C-ID GEOG 155). (Critical thinking will be demonstrated in assignments which may consist, but are not limited to students who must problem solve, discover data sources, and make decisions related to the full dimension of their semester project. Both synthesis and analysis are at the heart of Geographic Information Systems (GIS). More than a map making program, GIS also allows the input of spatially related data to be examined and analyzed, with the ability to form new datasets as a result. Visualization of more complex datasets to enhance understanding and decision making is also an important part of this technology. Mapping products are produced for many purposes and environments, ranging from paper maps to online, interactive maps.) (Regular Graded) Effective: 2016 Fall Semester

GEOG-21 GIS Data Capture (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers design and implementation of geographic databases for Geographic Information Systems (GIS) data capture and management. Included are essential concepts and practices of relational database management systems, with specific application to GIS. Data is captured using Global Positioning Systems (GPS) and mobile GIS methods. GIS digitizing and editing are also covered. (Critical thinking will be demonstrated in assignments which may consist, but are not limited to students who must problem solve, discover data sources, and make decisions related to the full dimension of their semester project. Both synthesis and analysis are at the heart of Geographic Information Systems (GIS). More than a map making program, GIS also allows the input of spatially related data to be examined and analyzed, with the ability to form new datasets as a result. Visualization of more complex datasets to enhance understanding and decision making is also an important part of this technology. Mapping products are produced for many purposes and environments, ranging from paper maps to online, interactive maps.) (Regular Graded) Effective: 2017 Spring Semester

GEOG-22 Remote Sensing and Spatial Analysis (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course covers Geographic Information Systems (GIS) for investigating geographic patterns, relationships and connections. Spatial analysis methods are employed for both raster and vector data. Emphasis is on problem-solving and decision making using GIS. Models and scripts for automating GIS processes are also undertaken. In addition, remote sensing fundamentals as they apply to mapping the Earth's surface will be covered. Image enhancement, classification and quantitative techniques are explored with attention to integration with GIS datasets. Application of remote sensing for land cover change, vegetation classification, and environmental quality are explored. (Critical thinking will be demonstrated in assignments which may consist, but are not limited to the following: 1. Compose a hardware and software specification for a project that is required to produce a GIS problem solving application. 2. Create objectives that encompass all facets of a GIS data management program. 3. Present a case study of statistical analysis used in a decision making process. 4. Compose a proposal intended to attain a GIS related contract. 5. The student must problem solve, discover data sources, and make decisions related to the full dimensions of their semester project.) (Regular Graded) Effective: 2018 Fall Semester

GEOG-95 Special Studies-GEOG (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

GEOG-100 Review for ESRI Certification (1.00)
Hours: 51.00 Laboratory.
Transfer Status: Not transferable
This course is a comprehensive review of the Geographical Information Skills (GIS) and knowledge measured in the ArcGIS Desktop Associate certification exam. Using ESRI's study guide will provide a thorough appraisal of the information needed to be

a successful examination candidate. This will include overviews of essential ArcGIS for Desktop tools and workflows to strengthen your skills. The Certification Study Guide will provide step-by-step exercises to reinforce what you've learned, followed by actual exam questions to test your knowledge. Successful completion of this course does not guarantee that you will pass the ESRI ArcGIS Desktop Associate Certification exam. Students should have 2 years of experience using GIS prior to taking the exam. (Critical thinking will be demonstrated in assignments which may consist, but are not limited to students who must problem solve, discover data sources, and make decisions related to the full dimension of their semester project. Both synthesis and analysis are at the heart of Geographic Information Systems (GIS). More than a map making program, GIS also allows the input of spatially related data to be examined and analyzed, with the ability to form new datasets as a result. Visualization of more complex datasets to enhance understanding and decision making is also an important part of this technology. Mapping products are produced for many purposes and environments, ranging from paper maps to online, interactive maps.) (Regular Graded) Effective: 2018 Spring Semester

GEOL-Geology

GEOL-32 Physical Geology with Lab (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
Physical Geology with Lab will introduce students to the internal and external processes that are at work changing the earth today. Within the context of modern plate tectonics theory, students will explore the origins of rocks and minerals and dynamic earth processes such as volcanism, seismicity and mountain building that are driven by the release of Earth's internal heat. It also examines how wind, running water, and glaciers move in response to gravity and energy from the sun and the sculpting of Earth's surface by erosion. These concepts as well as the interpretation of topographic and geologic maps will be reinforced with an integrated laboratory program. (C-ID GEOL 101). (Regular Graded) Effective: 2008 Fall Semester

GEOL-34 Historical Geology with Lab (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
Historical geology with lab introduces students to Earth's geologic history and the history of life on Earth. Drawing on concepts from plate tectonics theory, evolution, geologic dating methods and stratigraphy, students explore the planet's origin and the processes that have repeatedly re-shaped the global environment during the past 4.6 billion years. It also covers the history of life on this planet and investigates the complementary roles played by natural selection and environmental change in shaping both modern and ancient ecosystems. These concepts as well as fossil identification, study of sedimentary rocks, and interpretation of geologic maps will be reinforced with an integrated laboratory program. (C-ID GEOL 111). (Regular Graded) Effective: 2014 Fall Semester

GEOL-95 Special Studies-GEOL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

GERM-German

GERM-1 First Semester German (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of beginning German emphasizing grammar, reading, writing, speaking, and listening comprehension. It also introduces the student to various aspects of German culture. Students who have completed at least one, but fewer than two years of high school German (or equivalent)with a letter grade of "A" or "B"" within one year of the present date, should register for Second Semester German. (Regular Graded) Effective: 2009 Fall Semester

GERM-2 Second Semester German (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: GERM 1
Transfer Status: Transferable to both UC and CSU.
This course is the second half of beginning German, which further develops language skills: reading, writing, listening comprehension and speaking. In addition, this course continues to introduce students to aspects of Germanic culture. Students who have completed at least two, but fewer than three years of high school German (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Third Semester German. (In addition to German language analysis and interpretation, the course demands students to make linguistic comparisons between English and German. Lastly, students gain an understanding of Germanic culture. Through course work students apply this knowledge to analyze the role culture plays in customs and forming worldviews.) (Regular Graded) Effective: 2011 Fall Semester

GERM-3 Third Semester German (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: GERM 2
Transfer Status: Transferable to both UC and CSU.
This course is the first half of intermediate German which further develops language skills: reading, writing, listening comprehension and speaking. Through written analysis and discussion of both modern and classical German texts, students further increase their fluency and grammatical accuracy in the four skill areas. Students who have completed at least three, but fewer than four years of high school German (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Fourth Semester German. (Students are required to interpret and analyze authentic texts in order to formulate written summaries. The subsequent revision process further requires students to evaluate their own work and improve language skills.) (Regular Graded) Effective: 2011 Fall Semester

GERM-4 Fourth Semester German (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: GERM 3
Transfer Status: Transferable to both UC and CSU.
This course is the second half of intermediate German, which further develops language skills: reading, writing, listening comprehension and speaking. Through continued study of German language and culture students further increase their fluency and grammatical accuracy in the four skill areas in expanded written analysis and discussion of both modern and classical German texts. (Students are required to interpret and analyze authentic texts in order to formulate written summaries. The subsequent revision process further requires students to evaluate their own work and improve language skills.) (Regular Graded) Effective: 2011 Fall Semester

HAL-Healthy Aging & Living

HAL-300 Cooking for Wellness (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
The purpose of this course is to teach older adults how to cook healthier meals. Students will try new recipes, new cooking styles, and share traditional family recipes. Topics will include healthy portions, special diets, and food substitutes. Preparation skills will be reinforced in the following areas: cutting, stirring, peeling, chopping, baking, and tasting. (Students will read food labels to evaluate nutrients and benefits.) (Ungraded) Effective: 2018 Fall Semester

HAL-301 Finding Your Inner Artist (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
This course enriches the lives of older adults through creative expression, arts and crafts, and fine arts including painting, music, and drawing. Topics include musical self-expression, life and art, drawing in the abstract, renowned artist biographies, notable museums, and value of the arts. (Design and development of new art projects.) (Ungraded) Effective: 2018 Fall Semester

HAL-302 Fun and Fitness for Healthy Aging (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
Physical activity is the focus of this course and how it relates to healthy aging for older adults. Students will participate in stretching, chair aerobics, strengthening exercises, balancing and fall prevention activities. Application of yoga and Chi Quong principles will also be addressed to maintain health while aging. (Students will determine the proper amount of weight bearing and muscle tone activities to strengthen their stamina with out incurring injuries.) (Ungraded) Effective: 2018 Fall Semester

HAL-303 Vocal Aerobics: Music Exercises for Fitness (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
The focus of this course is to enrich the lives of older adults through vocalization and communication techniques, singing old familiar songs, deep-breathing exercises, and movement to music. (Students are required to analyze vocal sounds and try to reproduce those sounds.) (Ungraded) Effective: 2018 Fall Semester

HAL-304 Staying Mentally Sharp (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
The focus of this course is to use techniques to curtail memory loss and preserve mental fitness. Topics include: exercise and the brain, being a better listener, recognition memory, remembering through music, visual connections, memory aids, puzzles, games, and reminiscing to strengthen memory. The students will learn to recognize symptoms of health and age-related memory loss. Strategies will be presented for coping and compensating for memory loss. A personal plan will be developed for improving and preserving mental fitness. (Students will be participating in a number of problem-solving and mental challenge exercises for mental fitness.) (Ungraded) Effective: 2018 Fall Semester

HAL-305 Telling Your Story (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
Older adults will have the opportunity to reflect on their past and consider how past experiences have influenced their lives. Thematic and chronological approaches will be utilized for reminiscing and recall. Opportunities to be creative, share life experiences, and learn from others in a supportive environment are provided. Focus is placed upon affirmation of each student's life. (Students will recall dates, times, and events from the past to create records of their lives.) (Ungraded) Effective: 2018 Fall Semester

HAL-306 Technology Basics for Seniors (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
Older adults will learn basic skills of personal technology devices such as computers, laptops, Ipads, Notebooks, tablets, and smart phones. Students will learn how to use online services, applications, basic photography, and programs to help connect with family and friends. (Students will use problem-solving skills to navigate modern technology.) (Ungraded) Effective: 2018 Fall Semester

HIM-Health Information Management

HIM-56 Introduction to Health Information Management (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to the growing, dynamic profession of Health Information Management (HIM) and provides a foundation for those students pursuing the HIM field including medical office administration and medical coding. Foundational topics include the field of HIM; the purpose, evolution, and structure of US healthcare delivery systems; the purpose, organization, and storage of medical health records; the role of information technology in healthcare; the functions and organization of Electronic Health Records (EHR); the legal aspects of health information; and the standardized usage of classification systems to document diagnoses and procedures to support reimbursement methods, data management, and research in healthcare. (The HIM industry is complex. Students

must be able to understand the different components that make up the HIM industry and understand how these components work together to provide our national healthcare industry with the data needed to analyze and improve healthcare.) (Regular Graded) Effective: 2017 Fall Semester

HIM-58 Healthcare Law and Ethics (2.00)
Hours: 34.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to legal and ethical issues they will encounter while working in the field of Health Information Management (HIM). Topics include an overview of legal issues relating to Health Insurance Portability and Accountability Act (HIPAA), healthcare delivery, ethics, judicial processes, and standards of care. This course also includes bioethical and moral issues related to HIM and how they affect the day-to-day operations of medical offices. (Much of the course is designed to analyze legal situations in a medical setting to determine if it violates the law, an industry's or a person's ethics, or neither.) (Regular Graded) Effective: 2019 Fall Semester

HIM-62 Introduction to Medical Coding (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the medical coding classification systems used in the United States healthcare industry: International Classification of Diseases 10 Clinical Modification (ICD-10-CM) and Current Procedural Terminology (CPT). Through analysis of case histories and surgical reports, students will learn to distinguish between primary and secondary diagnoses codes, to assign the proper procedural codes, and to explain the importance of accurate medical documentation and clinical records. (Regular Graded) Effective: 2014 Spring Semester

HIM-63 Reimbursement (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to the reimbursement methodologies used in healthcare in the United States. The focus of the course will be on the accurate preparation and maintenance of clinical records and medical documentation. Students will analyze insurance plans spanning government and private sectors and learn to properly complete the Centers for Medicare and Medicaid Services claim form (CMS 1500) used in medical outpatient facilities. Topics include working with specific insurance companies, filing error-free claims, resubmitting denied claims, utilizing effective collection strategies, and handling the appeal process. (Regular Graded) Effective: 2014 Spring Semester

HIM-64 Advanced Medical Coding (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: HIM 62
Transfer Status: Transferable to CSU only.
This is an advanced course in medical coding for both outpatient and inpatient procedures and services. The course will include a brief review of International Classification of Diseases 10 Clinical Modification (ICD-10-CM) and Current Procedural Terminology (CPT). By following steps in the coding selection and sequencing process, students will assign appropriate procedure and service codes. Students will use the International Classification of Diseases 10 Procedure Coding System (ICD-10-PCS) and CPT (including Evaluation & Management Code (E&M), Audits, Modifiers, and Healthcare Common Procedure Coding System (HCPCS)) classification systems in this process. (Students must have critical thinking skills to review and analyze complex inpatient medical documentation in order to efficiently and accurately code.) (Regular Graded) Effective: 2017 Fall Semester

HIM-76 Electronic Health Records (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to Electronic Health Records (EHRs) and their place in healthcare. The curriculum reinforces the relationship between all of the components needed for a complete patient medical record including the clinical, administrative, and reimbursement components. Topics in this class are based on the national curriculum competencies developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). (Working with electronic medical requirements requires students to use critical thinking skills as each patient situation is different. Utilizing components learned in earlier college course are necessary to be successful in this class.) (Regular Graded) Effective: 2014 Fall Semester

HIST-History

HIST-3 World History to 1500 (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the development of world civilizations from prehistoric humans to 1500. Major themes include: broad patterns of change; dynamics of race, class, gender and ethnicity; reciprocal influence between the physical environment and human societies; and ways in which human groups have interacted with one another. In addition, the course examines distinctive forms of political, social, and economic organization, and significant scientific achievements, cultural developments, and belief systems. The course also provides an introduction to historical method. (C-ID HIST 150). (To practice history is to pose questions, to find and scrutinize historical sources, and to formulate conclusions grounded in evidence. Rather than merely absorb information, students will be required to practice historical method. The course description, objectives, unit titles, and methods of instruction/evaluation convey the expectation that instructors engage students in the historical process by requiring them to pose questions about the past, find historical evidence, and think critically about the evidence to formulate informed conclusions.) (Regular Graded) Effective: 2012 Fall Semester

HIST-5 World History Since 1500 (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the development of world civilizations since 1500. Major themes include: broad patterns of change; dynamics of race, class, gender and ethnicity; reciprocal influence between the physical environment and human societies; and ways in which human groups have interacted with one another. In addition, the course examines distinctive forms of political, social, and economic organization, and significant scientific achievements, cultural developments, and belief systems. The course also provides an introduction to historical method. (C-ID HIST 160). (To practice history is to pose questions, to find and scrutinize historical sources, and to formulate conclusions

grounded in evidence. Rather than merely absorb information, students will be required to practice historical method. The course description, objectives, unit titles, and methods of instruction/ evaluation convey the expectation that instructors engage students in the historical process by requiring them to pose questions about the past, find historical evidence, and think critically about the evidence to formulate informed conclusions.) (Regular Graded) Effective: 2013 Fall Semester

HIST-6 Modern World History (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course surveys the origins and development of global trends from 1750 to the present. Themes include the global impact of industrialization, imperialism, nationalism and totalitarianism, political revolutions, conflict, and global economic and technological integration. (Regular Graded) Effective: 2016 Fall Semester

HIST-8 United States History to 1877 (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
A survey of the history of the United States, from pre-colonial North America to the end of Reconstruction, that addresses important political, economic, social, and cultural developments. Themes may include but are not limited to aspects of class, race, and gender; systems of labor; intellectual, technological, social, and cultural history; the role of geography; and foreign relations. The course also introduces students to the historical reasoning skills necessary to form their own understanding of the past, and of contemporary society. (C-ID HIST 130). (Regular Graded) Effective: 2016 Fall Semester

HIST-10 United States History-1877 to Present (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
A survey of the history of the United States, from the end of Reconstruction to the Present, that addresses important political, economic, social, and cultural developments. Themes may include but are not limited to aspects of class, race, and gender; systems of labor; intellectual, technological, social, and cultural history; the role of geography; and foreign relations. The course also introduces students to the historical reasoning skills necessary to form their own understanding of the past, and of contemporary society. (C-ID HIST 140). (Regular Graded) Effective: 2016 Fall Semester

HIST-18 Multicultural History of the United States (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the history of the United States from pre-colonial times to the present with particular emphasis on the nation’s multicultural heritage. The historical experiences of Americans from diverse religious, ethnic, racial, and socioeconomic backgrounds will be studied in the context of the growth and development of the United States. (Regular Graded) Effective: 2010 Fall Semester

HIST-20 Political History of the Middle East (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introduction to the cultural and historical background of the Middle East. An inquiry into government, family, social classes, religion, politics, and regional conflict in the Middle East both past and present. (Regular Graded) Effective: 2010 Spring Semester

HIST-26 Men and Women in American History (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a survey of the experiences of men and women in the American past from the pre-colonial era to the present. The course examines the ways that ideas about masculinity and femininity have shaped men's and women's participation in major political, economic, social, and cultural events and developments, and why and how ideas of manhood and womanhood change. (The study of history requires research, analysis, and synthesis. In Men and Women in American History, students will use lectures, assigned readings, and independent research to weigh evidence, identify causes and consequences, and make comparisons. Essay, research paper, portfolio, and/or presentation assignments will require students both to summarize and to draw and support conclusions. The purpose of the class, as stated in the description and the objectives, is for students to be able to recognize and explain the connections between ideas of masculinity and femininity and men and women's historical experiences. The course asks the question, "What did it mean to be a man or a woman during this time/event in American history?") (Regular Graded) Effective: 2016 Fall Semester

HIST-30 History of the African American (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines the conditions of African Americans in the United States as shaped and influenced by the African tradition, and provides a broad and basic understanding of African Americans in U.S. history. African American contributions to American culture, economy, and politics will be assessed. (Regular Graded) Effective: 2010 Spring Semester

HIST-95 Special Studies-HIST (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

HLTH-Health

HLTH-2 Health and Wellness (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety. (C-ID PHS 100) (Graded Only) Effective: 2018 Fall Semester

HLTH-10 Leisure for Healthy Living (3.00)

Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the role of leisure as a key component of mental, emotional, and physical well-being. Students will learn constructive uses of leisure time while developing personal and healthy values. Emphasis will include personal growth, social impacts, leisure planning, stress management, and health enhancement. (Regular Graded) Effective: 2018 Spring Semester

HLTH-20 Current Health Issues in Athletics (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course covers current health issues faced by athletes. Emphasis is on the psychological, social, and developmental effects of a variety of health issues as they relate to the world of sports. Topics will include eating disorders, drug, tobacco, and alcohol use as well as illnesses that can affect an athlete's performance. Students will learn about outside influences and decision making regarding health issues in athletics specific to age, gender, sexuality, and sport demands. (Regular Graded) Effective: 2018 Spring Semester

HLTH-99 Work Experience-HLTH (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

HON-Honors

HON-11 Honors Capstone (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in: ; ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course provides Honors students who have already completed a minimum of 15 units in Honors classes (or have completed 12 units in Honors classes and are concurrently enrolled in 3 Honors units in addition to Honors Capstone), the opportunity to carry out a supervised individual research or creative project in Honors to synthesize, apply, and further develop the skills and knowledge they have acquired in the Honors Program. Students interested in registering for Honors 11 must get pre-approval from an Honors instructor prior to the semester they intend to register for. (Within the rigorous standards and expectations of the Honors Program, the Honors instructor will work with the student to determine that the Capstone project requires the student to synthesize, exercise, and apply the advanced learning and critical thinking skills s/he has acquired in the Honors Program.) (Graded Only) Effective: 2012 Fall Semester

HON-95 Special Studies-HON (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

HUM-Humanities

HUM-17 Comparative European Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the development of European identities, belief systems, philosophy, art, architecture, music, science, and systems of government. It examines Western Europe after the fall of Rome, focusing on cultural contributions of the Germanic Kingdoms, feudalism, the Catholic Church, the High Middle Ages and the crisis of the 14th century, the early Renaissance, and the Reformation. The course provides a comparative evaluation of how European traditions and perspectives came to influence the world of ideas. (Students will be examining a variety of primary documents and using them to evaluate the particular culture being examined. Also students will be required to compare and contrast said cultures and examine and analyze their impact on Western Civilization. Lastly students will be required to evaluate and analyze the impact of particular cultures in a global context.) (Graded Only) Effective: 2015 Spring Semester

HUM-22 Greco-Roman Cultures (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the classical civilizations of Greece and Rome, through the study of original sources of the ancient world in history, art, philosophy, poetry, music, and drama. The course emphasizes the influence of Greek and Roman art, law, philosophy, politics, literature, and science on the modern world. Specific works of key thinkers who contributed to the shaping of classical civilization will be compared in order to trace the evolution of ideas. (Regular Graded) Effective: 2015 Spring Semester

HUM-95 Special Studies-HUM (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

HVAC-Heating, Ventilation, and Air Conditioning

HVAC-11 Introduction to HVACR (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: ITEC 55; HVAC 12; HVAC 13
Transfer Status: Transferable to CSU only.
This course is designed to teach the introduction to Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) as an industrial trade. Emphasis will be placed on developing basic safety skills, trade math, and the terminology, history, and future of the HVACR industry. These areas of instruction will be applied in several hands-on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-12 Basic HVACR Systems (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: ITEC 55; HVAC 11; HVAC 13
Transfer Status: Transferable to CSU only.
This course is designed to teach the functions of Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems and where they are used in the industry. Emphasis will be placed on developing safety skills, heating and cooling system types, equipment categories, air distribution, components of a system, and the different types of tubing used in the industry. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-13 Trade Electricity (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: ITEC 55; HVAC 11; HVAC 12
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing basic safety skills, fundamentals of electricity, electrical theory, knowledge of electrical measuring instruments used in industry, and identification of electrical components. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-21 Introduction to the Refrigerant System (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55; HVAC 12; HVAC 13Concurrent enrollment or completion with a C or better in: HVAC 22; HVAC 23
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, metering and gauge identification, lubrication oils used, replacement of refrigerant circuits, knowledge of heat pump systems, and inspection and maintenance of procedures. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-22 Intermediate HVACR Components (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55; HVAC 11; HVAC 12; HVAC 13Concurrent enrollment or completion with a C or better in: HVAC 21; HVAC 23
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, tool identification, basic rigging and material handling skills, with soft skills training. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-23 Intermediate HVACR Concepts (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55; HVAC 11; HVAC 12; HVAC 13Concurrent enrollment or completion with a C or better in: HVAC 21; HVAC 22
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, commercial air distribution, factors to be controlled when dealing with indoor air quality, types of hot-water heating systems, and devices used in hydronic systems. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-31 Advanced HVACR Components (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 21; HVAC 22; HVAC 23Concurrent enrollment or completion with a C or better in: HVAC 32; HVAC 33
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, identifying fasteners, understanding of common control devices, troubleshooting oil-fired heating systems and various system accessories. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-32 Advanced HVACR Service (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 21; HVAC 22; HVAC 23Concurrent enrollment or completion with a C or better in: HVAC 31; HVAC 33
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)

systems for industrial trades. Emphasis will be placed on developing safety skills, troubleshooting skills on electrical, refrigerant, heat pumps, airflow diagnostics, commercial refrigeration systems, and customer relations. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-33 Internship With Local Trade Company (7.00)
Hours: 51.00 Lecture. 204.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 21; HVAC 22; HVAC 23Concurrent enrollment or completion with a C or better in: HVAC 31; HVAC 32
Transfer Status: Transferable to CSU only.
This course is designed to teach students skills by simulations and field internship experiences required to meet industry standards in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems and North American Technician Excellence (NATE) certification. Emphasis will be placed on developing safety skills, troubleshooting skills, application of electrical diagnostics and customer relation practices. These areas of instruction will be applied in several hands on performance lecture and lab exercises. This course is part of the National Center for Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-41 Advanced HVACR Systems (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 31; HVAC 32; HVAC 33Concurrent enrollment or completion with a C or better in: HVAC 42; HVAC 43
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, water related concepts, indoor air quality, energy management systems, air balancing, and proper startup and shutdown procedures. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-42 Advanced HVACR Design (5.00)
Hours: 51.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 31; HVAC 32; HVAC 33Concurrent enrollment or completion with a C or better in: HVAC 41; HVAC 43
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, reading construction drawings, system design, commercial refrigeration, alternative HVAC systems, and leadership skills for supervisors. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-43 Advanced Internship With Local Trade Company (8.00)
Hours: 68.00 Lecture. 204.00 Laboratory.
Requisite(s): Completion with a C or better in: HVAC 31; HVAC 32; HVAC 33Concurrent enrollment or completion with a C or better in: HVAC 41; HVAC 42
Transfer Status: Transferable to CSU only.
This course is designed to further develop and polish the skills required to succeed in the Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems industry. The student will develop personal and general safety skills, enhance the communication skills required to begin diagnosis of equipment and system operations, perform system maintenance, and ultimately complete repairs ranging from a simple adjustment, to a compressor replacement. Experiences in this course are intended to prepare students to pass the North American Technician Excellence (NATE) certification and the Environmental Protection Agencies Refrigerant Certification Examination. Successful completion of both exams is required to pursue a career in the HVAC field. This is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

HVAC-97 Special Problems-HVAC (1.00-3.00)
Hours:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2019 Fall Semester

HVAC-99 Work Experience-HVAC (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2019 Fall Semester

IDST-Interdisciplinary Studies

IDST-12 Strategies for Success in Online Learning (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course prepares students for success in online learning. It covers the techniques of identifying the requirements for each unique online course, best practices for successfully completing the course, and the skills needed in using such online tools as discussion boards, email, blogs, and wikis. Students will assess their own readiness to succeed online so they can focus on developing the particular skills needed. Students must have access to a computer connected to the Internet. (Students are required not only to assess their own learning styles and readiness to learn online, but to show how they can apply best practices to discovering the requirements of various online

courses and in meeting those requirements. This requires careful judgment of the students own skills and how they can be adapted to the subject matter in a given online course.) (Pass/No Pass) Effective: 2012 Fall Semester

IDST-90 Special Topics (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a guided exploration of social and/or cultural activities and events that is designed to expand the socio-cultural perspective of students. Students will prepare for, attend, and present reports on a minimum of eight instructor-approved events, each of which will require an average of two hours. Some activities might require an entrance and/or participation fee. (Pass/No Pass) Effective: 2000 Fall Semester

IDST-94 Introduction to Service Learning (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
Introduction to Service Learning is designed by individual instructors for students who have a strong interest in linking academic learning with community service. It is based on a collaborative effort between the student, a faculty member, and a community based organization, school, business entity or campus setting to provide real-world experience in a field of interest while meeting the needs of the community. This course may also provide a service-learning component for a student enrolled in any approved class. (Regular Graded) Effective: 2012 Fall Semester

ITAL-Italian

ITAL-1 First Semester Italian (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of beginning Italian emphasizing grammar, reading, writing and speaking. It also introduces the student to various aspects of Italian culture. Students who have completed at least one, but fewer than two years of high school Italian (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Italian. (Regular Graded) Effective: 2009 Fall Semester

ITAL-2 Second Semester Italian (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: ITAL 1
Transfer Status: Transferable to both UC and CSU.
This course is the second half of beginning Italian, which further develops the skills of understanding, speaking, reading and writing Italian. It continues to introduce students to various aspects of Italian culture. Students who have completed at least two, but fewer than three years of high school Italian (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should consult the appropriate language instructor before enrolling. (Regular Graded) Effective: 2009 Fall Semester

ITAL-95 Special Studies-ITAL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

ITAL-100 Beginning Conversational Italian (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course emphasizes the development of basic understanding and speaking skills in Italian. Minimal emphasis is placed on formal grammar. Multimedia cultural presentations are offered throughout the course. This course is intended for those who wish to develop "survival" Italian in everyday basic situations. (Regular Graded) Effective: 2016 Fall Semester

ITAL-101 Intermediate Conversational Italian (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course emphasizes the development of basic/intermediate understanding and speaking skills in Italian. Minimal emphasis is placed on formal grammar. Multimedia cultural presentations are offered throughout the course. This course is intended for those who wish to continue development of "survival" Italian in everyday situations. (Regular Graded) Effective: 2016 Fall Semester

ITEC-Industrial Technology

ITEC-55 Introduction to Industrial Trades (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course is designed to provide pre-employment training for industrial trades. Emphasis will be placed on developing basic safety skills, tool identification, basic rigging and material handling skills, with soft skills training. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification. (Regular Graded) Effective: 2019 Fall Semester

JOUR-Journalism

JOUR-2 Introduction to Reporting and Newswriting (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
An introduction to gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline and use of AP Style. (C-ID JOUR 110). (Regular Graded) Effective: 2007 Fall Semester

JOUR-10 Beginning Newspaper Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
Student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Must include weekly news assignments. May include a variety of student media across multiple platforms, including print, broadcast, and online. Includes practical experience in design/layout, visual, online, multimedia journalism and emerging technologies. Must be student produced with student leadership. (C-ID JOUR 130). (Students will be required to synthesize research in order to write news articles. They will also have to analyze audience needs and evaluate different newspaper design options. Students must also think critically when considering legal issues as they pertain to particular news stories.) (Regular Graded) Effective: 2015 Fall Semester

JOUR-12 Intermediate Newspaper Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: JOUR 10
Transfer Status: Transferable to CSU only.
This course requires higher skill level and/or leadership/management involvement than JOUR 10. Intermediate student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Must include weekly news assignments. May include a variety of student media across multiple platforms, including print, broadcast, and online. Includes practical experience in design/layout, visual, online, multimedia journalism, emerging technologies and leadership/management. Must be student produced with student leadership. (C-ID JOUR 131). (Students will be required to synthesize research in order to write news articles. They will also have to analyze audience needs and evaluate different newspaper design options. Students must also think critically when considering legal issues as they pertain to particular news stories.) (Regular Graded) Effective: 2015 Fall Semester

JOUR-95 Special Studies-JOUR (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

JOUR-99 Work Experience-JOUR (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

JPN-Japanese

JPN-1 First Semester Japanese (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of beginning Japanese emphasizing reading, writing, speaking, and listening comprehension. It also introduces the student to various aspects of Japanese culture. Students who have completed at least one, but fewer than two years of high school Japanese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Japanese. (Regular Graded) Effective: 2011 Fall Semester

JPN-2 Second Semester Japanese (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: JPN 1
Transfer Status: Transferable to both UC and CSU.
This course is the second half of beginning Japanese, which further develops language skills: reading, writing, listening comprehension and speaking. In addition, this course introduces the student to various aspects of the Japanese culture. Students who have completed at least two, but fewer than three years of high school Japanese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Third Semester Japanese. (Regular Graded) Effective: 2011 Fall Semester

JPN-3 Third Semester Japanese (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: JPN 2
Transfer Status: Transferable to both UC and CSU.
This course is the first half of intermediate Japanese, which further develops language skills: reading, writing, listening comprehension and speaking. Through written analysis and discussion of both modern and classical Japanese texts, students further increase their fluency and grammatical accuracy in the four skill areas. Students who have completed at least three, but fewer than four years of high school Japanese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Fourth Semester Japanese. (Regular Graded) Effective: 2011 Fall Semester

JPN-4 Fourth Semester Japanese (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: JPN 3
Transfer Status: Transferable to both UC and CSU.
This course is the second half of intermediate Japanese, which further develops language skills: reading, writing, listening comprehension and speaking. Through continued study of Japanese language and culture students further increase their fluency and grammatical accuracy in the four skill areas in expanded written analysis and discussion of both modern and classical Japanese texts. (Regular Graded) Effective: 2011 Fall Semester

JPN-95 Special Studies-JPN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.

Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

KIN-Kinesiology

KIN-1 Introduction to Kinesiology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
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. (C-ID KIN 100). (Regular Graded) Effective: 2013 Fall Semester

KIN-2 Introduction to Coaching (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines and discusses academic, professional, and standard requirements of the coaching profession. Students will be expected to focus upon and understand the discipline and breadth of the coaching profession. Topics include philosophies, goals, objectives, ethical standards, desired qualities, and current professional issues. (Regular Graded) Effective: 2010 Fall Semester

KIN-3 Elementary School Physical Education (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is designed for future elementary school teachers. Topics include assessment and maintenance of physical fitness to improve health and performance, the development of movement skill combinations, positive social interaction and group dynamics for K-6 children. (Regular Graded) Effective: 2018 Spring Semester

KIN-5 Sports Officiating (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course will introduce the student to the structure and application of sports officiating. Emphasis will be placed on specific rules governing different sports. Topics will include enforcement, etiquette, and ethics in officiating athletic contests. Students will apply topics learned in lecture to officiate simulated athletic contests. (Regular Graded) Effective: 2018 Spring Semester

KIN-6 Sports Fitness and Nutrition (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines essential principles of a proper exercise and diet program needed to maintain healthy sports fitness and nutrition levels. Students will study athletic performance, exercise recovery, food quality, general health, motivation, energy transfer, and the relationship between nutrition and performance. (Regular Graded) Effective: 2018 Spring Semester

KIN-7 Introduction to Athletic Training and Sports Medicine (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the prevention, evaluation, and treatment of athletic injuries. Students will learn rehabilitation and management skills, emergency procedures, sports psychology, musculoskeletal anatomy, therapeutic modalities, and various taping/wrapping techniques. The course is designed to expose students to sports medicine career fields such as strength and conditioning, physical therapy, orthopedic medicine, and athletic training. (Regular Graded) Effective: 2018 Spring Semester

KIN-8 Athletic Training and Sports Medicine Practicum (1.00)
Hours: 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course offers students practical, hands-on experience within the field of sports medicine and athletic training. Instruction will focus on the prevention and immediate care of athletic injuries. Students will learn rehabilitation and management skills, emergency procedures, nutrition, sports psychology, musculo-skeletal anatomy, therapeutic modalities, and various taping/wrapping techniques. Students will experience various sports medicine career fields such as strength and conditioning, physical therapy, orthopedic medicine, and athletic training. This course may be repeated three times to meet the admission requirements at an accredited Athletic Training program. (Regular Graded) Effective: 2013 Fall Semester

KIN-9 Introduction to Personal Fitness Training (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the academic and professional requirements for personal fitness training. Students will become familiar with anatomy and physiology, fitness evaluations, weight room program design, and nutrition. Philosophies, goals, objectives, and occupational ethics will be discussed and examined and practical skills will be demonstrated. (Regular Graded) Effective: 2007 Fall Semester

KIN-10 Personal Fitness Training Practicum (1.00)
Hours: 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a personal fitness training practicum, including anatomy and physiology, fitness evaluations, weight room and program design, and nutrition. Students will be assigned to shadow professional fitness trainers and strength coaches assisting in daily training regimens. (Regular Graded) Effective: 2013 Fall Semester

KIN-11 First Aid and CPR (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements. (C-ID KIN 101). (Regular Graded) Effective: 2013 Fall Semester

KIN-12A Theory of Baseball I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of baseball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis

will be placed on the mental aspect of baseball, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-12B Theory of Baseball II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 12A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of baseball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of baseball, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-13A Theory of Basketball I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of basketball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of basketball, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-13B Theory of Basketball II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 13A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of basketball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of basketball, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-14A Theory of Cross Country I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of cross country as the sport has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of cross country, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-14B Theory of Cross Country II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 14A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of cross country as the sport has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of cross country, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-15A Theory of Football I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of football as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of football, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-15B Theory of Football II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 15A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of football as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of football, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-16A Theory of Golf I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of golf as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of golf, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-16B Theory of Golf II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 16A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of golf as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of golf, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this

course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-17A Theory of Soccer I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of soccer as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of soccer, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-17B Theory of Soccer II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 17A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of soccer as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of soccer, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-18A Theory of Softball I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of softball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of softball, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-18B Theory of Softball II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 18A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of softball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of softball, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-19A Theory of Track and Field I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of track and field as the sport has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of track and field, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-19B Theory of Track and Field II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 19A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of track and field as the sport has developed and is played at secondary, community college, and professional levels. Emphasis will be placed on the mental aspect of track and field, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-20A Theory of Volleyball I (2.00)
Hours: 34.00 Lecture.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic techniques and strategies of volleyball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of volleyball, team play, biomechanics, and film study at a basic level. (Regular Graded) Effective: 2018 Spring Semester

KIN-20B Theory of Volleyball II (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: KIN 20A Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the intermediate techniques and strategies of volleyball as the game has developed and is played at secondary, intercollegiate, and professional levels. Emphasis will be placed on the mental aspect of volleyball, team play, biomechanics, and film study at an intermediate level. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-23 Weight Training I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental techniques of weight training. Students will engage in individualized exercise programs with emphasis placed on the development of muscle strength, muscle endurance and flexibility. Instruction will include identification and proper technique for lifts specific to muscle groups to ensure safe fitness training. (Regular Graded) Effective: 2018 Spring Semester

KIN-24 Weight Training II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.

This course builds upon the foundation of basic weight training by examining different styles and muscle specificity to individualized programs. Components of fitness will be emphasized including muscular strength, muscular endurance, flexibility, and body composition. Students will learn weight training guidelines for general fitness, sport performance, and bodybuilding. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-25 Olympic Weightlifting (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course provides instruction in the fundamental skills of competitive Olympic Weightlifting. Proper technique and timing will be emphasized for two competitive lifts/events, the Clean and Jerk and the Snatch. Integrating the Olympic Lifts and their variations into fitness and sport specific training protocols will be a primary focus of the course. (Regular Graded) Effective: 2018 Spring Semester

KIN-27 Core Crossfit Training (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the proper exercise techniques and principles to improve core strength, posture, flexibility, speed, muscular strength, and muscular endurance. This course will include a variety of exercises designed to strengthen the core muscle groups. The main tools used in this course will include stability balls, kettlebells, dumbbells, jump ropes, resistance bands, and body weight. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-28 Plyometric Training (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of plyometric training. Students will learn to distribute power to increase speed, flexibility and agility. Additional instruction will be given on explosive ways to change direction and speed. This course will help guide students to build basic sport specific plyometric training drills and program. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-29 Body Sculpting (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of body sculpting. Emphasis will be on muscle toning, strengthening and endurance by means of resistance bands, weights, low impact step and stability balls. (Regular Graded) Effective: 2018 Spring Semester

KIN-31 Quickfits (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to effective body shaping strategies that can be completed in short intervals. These exercises are designed for individuals with a busy lifestyle and can be performed with simple equipment. Students will learn proper body position and alignment, exercises that isolate and overload targeted muscle groups, and compound muscle movements. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-33 Aerobic Mix (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course examines forms of aerobic exercise to increase cardiorespiratory conditioning through choreographed routines. Students will learn different styles of aerobics including floor, step, and interval. The benefits of aerobic exercise will be explored with emphasis on cardiovascular health and body composition. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-34 Step Aerobics (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course examines step aerobics for increasing cardiorespiratory fitness through choreographed routines to music. Students will learn dynamic step aerobic routines, basic stretch, and core strengthening exercises. The benefits of aerobic training, step safety, and principles of fitness are emphasized. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-35 Aerobic Dance (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course examines forms of aerobic dance to increase cardiorespiratory conditioning through choreographed routines to music. Movements from jazz, hip hop, ballet and Latin dance will be combined into hi-low impact routines. Principles of fitness and health with an emphasis on cardiovascular improvements and body composition will be explored. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed) (Regular Graded) Effective: 2018 Spring Semester

KIN-36 Gentle Aerobics and Movement (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course teaches students the fundamental skills of aerobics and movement with a focus on a gentle approach. This specific type of aerobics and movement will allow the students to exercise safely while improving their level of fitness by developing cardiovascular endurance, balance and strength. Basic skills and exercise techniques are utilized through movement patterns and simple choreography. (Regular Graded) Effective: 2018 Spring Semester

KIN-38 Ballroom Dance I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.

This course introduces students to ballroom dance as a social and recreational activity, with the goals of building confidence and leading to an active lifestyle. Emphasis will be placed on basic skills and information such as partnering, alignment, safety, footwork, and technique. Additionally, students will learn the history, culture, and etiquette associated with various ballroom dances. (Regular Graded) Effective: 2018 Spring Semester

KIN-39 Ballroom Dance II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of Ballroom Dance I, emphasizing style and techniques. This course will also introduce the concepts of musicality, choreography and student creativity with focus on intermediate dance and social skills. (Students will be required to analyze, synthesize, choreograph and perform dances as individuals and groups, teaching them to communicate and designs dances for themselves and others. They will, by way of analyzing and discussion, critique and assist fellow students dancing by “peer teaching”.) (Regular Graded) Effective: 2013 Fall Semester

KIN-40 Jazz Dance I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction centered upon improving the knowledge and physical techniques of jazz dance. The course will identify jazz dance styles: lyrical, contemporary, and character/musical theater. Basic jazz dance techniques, choreography, and vocabulary will be applied and practiced. (Regular Graded) Effective: 2018 Spring Semester

KIN-41 Gentle Yoga (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the art and practice of gentle yoga, using postures which are gentle in nature and allow a vast majority of the population to perform them. The course includes an introduction to modified physical postures (asana) which stretch and move the spine and limbs as well as basic breathing techniques (pranayama), which refers to the expansion of the breath. Students will learn relaxation techniques for decreasing stress and physical discomfort. (Regular Graded) Effective: 2018 Spring Semester

KIN-42 Yoga I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces the fundamental principles of yoga. Students will learn basic poses (asana), basic breathing techniques (pranayama), and relaxation techniques. Students will also develop knowledge of personal restraints (yamas) and meditation (dhyana). (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-43 Yoga II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of Yoga I. Students will learn a progression of yoga postures (asanas) and intermediate level asanas. Breathing techniques (pranayama) will accompany each posture learned in this course. Emphasis is placed upon a deeper understanding of yoga philosophy. (Students will be required to analyze events and techniques, compare, and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-44 Jazz Dance II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a continuation of Jazz Dance with an emphasis on more complex steps, dance combinations, terminology, music, style and techniques. Areas of emphasis will include intermediate concepts of styles, vocabulary, body alignment and choreography. The works of professional choreographers in addition to general concepts and skills throughout the course will be used to inform the creation of unique choreography in a solo or duet form. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-45 Pilates (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the fundamental skills of Pilates. Pilates is a mind-body form of exercise that enhances overall health and fitness. Students will learn the principles of Pilates and the basic and progressive Pilates movements. Emphasis will be placed on understanding the muscles that are used for specific movements and how to activate the muscles needed to properly perform these movements. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-46 Tai Chi Chuan (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the ancient Chinese art of Tai Chi Chuan. The course covers terminology, history, and philosophies associated with Tai Chi Chuan. Students will learn Tai Chi moves, Chi Gung exercises and their purpose that will help them in movement and attitude. (Regular Graded) Effective: 2018 Spring Semester

KIN-47 Stress Management Techniques and Exercise (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course provides experiential instruction in personal stress management, with a focus on physical techniques and exercise for relaxation. Students will learn a variety of stress management skills to address personal, social, and environmental stressors. Students will learn to differentiate between and control different stress types for balance in life. (Regular Graded) Effective: 2018 Spring Semester

KIN-48 Stretching for Life (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of stretching. This flexibility fitness program, which will improve one’s range of motion and muscular flexibility, helps prevent injuries while increasing one’s total fitness. (Regular Graded) Effective: 2013 Fall Semester

KIN-49 Fit Mix (1.50)

Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
In this course students will be introduced to the fundamental skills of fitness. The instruction will cover the five components of fitness including cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. The focus of the class will be a mix of beginning exercise programs that will help improve these components of fitness through walking, jogging, interval training, strength bands, stability balls, core and stretching exercises. (Students will be required to analyze events and techniques, compare and contrast strategies, create game plans or designs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-50 Stability Ball Fitness (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces the fundamentals of core training with stability balls as the primary modality. Emphasis will be placed on the use of stability balls in combination with proprioception, body weight, resistance bands, dumbbells, and flexibility training. Students will learn the benefits of resistance and flexibility training and how to apply the guidelines for proper exercise programs with stability balls. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-51 Butte Fitness and Wellness Center (0.50-1.50)
Hours: 25.50-76.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides each student with an individualized fitness program. A flexible workout schedule supports each student's academic coursework. The fitness center encourages participation at the student's level of fitness and allows for gradual progress toward a lifetime committment to fitness and wellness. (Pass/No Pass) Effective: 2018 Spring Semester

KIN-52 Walking for Fitness (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of walking to improve cardiovascular fitness. Students will learn types of walking, workout strategies, and the components of fitness will be examined. (Regular Graded) Effective: 2018 Spring Semester

KIN-53 Jogging/Running for Fitness (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of jogging/running to improve cardiovascular fitness. Students will learn cardiovascular workout strategies, injury prevention, safety factors, health issues and the components of fitness. (Regular Graded) Effective: 2018 Spring Semester

KIN-57 Archery (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces the basic principles and skills of archery and develops the student's shooting form and marksmanship. Emphasis of instruction will be placed on the fundamentals of target shooting, care of equipment, safety rules, and individual practice. (Regular Graded) Effective: 2018 Spring Semester

KIN-58 Badminton (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of badminton. Students will learn all primary shots including serves, overhead shots, underhand shots, and drop shots. Skills, etiquette, court strategy, and rules will be applied through game play. (Regular Graded) Effective: 2018 Spring Semester

KIN-60 Bowling (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic principles and skills of bowling and develops the student's four step approach, grip, and delivery. Emphasis will be placed on spare and strike position strategies, ball control techniques, and scoring. Students will also learn safety rules, etiquette, and care of equipment for bowling. (Regular Graded) Effective: 2018 Spring Semester

KIN-61 Golf (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of golf. Emphasis will be placed on proper grip, stance, swing, rules, and scoring. Students will also learn the etiquette of the game, correct use of various clubs and their flight trajectories. (Regular Graded) Effective: 2018 Spring Semester

KIN-62 Tennis (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills and techniques of tennis. Emphasis will be placed upon the skills of service and receive, forehand, backhand, and volleys. Court, opponent strategy, etiquette, and the basic rules of play will be introduced and practiced through match play. (Regular Graded) Effective: 2018 Spring Semester

KIN-63 Track and Field (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course improves knowledge, fitness, and performance specific to Track and Field. Instruction is focused on the proper techniques of stretching, running, speed, agility, and power recruitment. Emphasis will be placed on proper technique for each event to ensure safety for all students. (Regular Graded) Effective: 2018 Spring Semester

KIN-64 Baseball (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of baseball, including throwing, catching, batting, and base running. Students will learn about team play and offensive and defensive strategies. Emphasis is placed on skill improvement, team cooperation, and safety procedures. Students will practice skills through game play and structured practice plans. (Regular Graded) Effective: 2018 Spring Semester

KIN-65 Soccer (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course improves cardiovascular endurance, strength and game knowledge. Students will learn the basic rules, skills and techniques of soccer. Emphasis will be placed on kicking, dribbling, trapping, heading, passing, and receiving. All skills including offensive and defensive strategies will be learned

through live game play. (Regular Graded) Effective: 2018 Spring Semester

KIN-66 Softball (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of softball, including catching, throwing, batting, and base running. Students will learn about team play and offensive and defensive strategies. Emphasis is placed on skill improvement, team cooperation, and safety procedures. Students will practice skills through game play and structured practice plans. (Regular Graded) Effective: 2018 Spring Semester

KIN-67 Non-Contact Football (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of non-contact football (touch or flag). Skills learned will include blocking, passing, team play, and offensive and defensive strategies. Emphasis is placed on skill improvement, team cooperation, and safety procedures. Students will practice skills through game play and structured practice plans. (Regular Graded) Effective: 2018 Spring Semester

KIN-68 Volleyball I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the six basic skills of volleyball: passing, setting, hitting, serving, blocking, and individual defense. Students will learn history, rules, etiquette, and safe play of volleyball. The elements of team play and game strategies will be identified and introduced. (Regular Graded) Effective: 2018 Spring Semester

KIN-69 Volleyball II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course builds upon the application of basic skills, team play, and offensive and defensive fundamentals learned in level one play. Additionally, rules and etiquette will be applied in structured game play. Team play and strategy are the major focal points in the course. Components of individual play will be emphasized as inherent to team play and strategy. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-70 Basketball I (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides students with an introduction to the game of basketball. Specific attention will be focused upon standard rules, sportsmanship, etiquette, offensive and defensive team play, and the application of game strategy. Individual fundamentals will focus on offensive and defensive techniques specific to footwork, ball skills (i.e., shooting, passing, and dribbling), and rebounding. (Regular Graded) Effective: 2018 Spring Semester

KIN-71 Basketball II (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course builds upon the application of individual offensive and defensive fundamentals learned in level one play. Team play and strategy are the major focal points in this course. Components of individual play will be emphasized as inherent to team play and strategy. (Students will be required to analyze events and techniques, compare and contrast strategies, design programs, and discuss reports specific to this course. Teamwork, collaborative thinking, and communication skills will be developed.) (Regular Graded) Effective: 2018 Spring Semester

KIN-73 Self Defense (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the basic skills and knowledge of self defense against physical assault. Emphasis will be placed on the basic techniques of anticipating, avoiding, and protecting oneself from physical attack. Students will also develop a consciousness and knowledge about the legal aspects of self defense. (Regular Graded) Effective: 2018 Spring Semester

KIN-74 Boxing (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills and techniques of boxing. Instruction will include the rules, proper stance, footwork, offensive strategies, and defensive strategies. Emphasis will be placed on increasing self confidence, enhancing balance, and improving core strength. (Regular Graded) Effective: 2018 Spring Semester

KIN-75 Jujitsu (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course teaches the basic self-defense application, strategies, history, philosophy and training practices of the Japanese art of Jujitsu. Emphasis will be placed on blocks, escapes, holds, and grappling strategies. (Regular Graded) Effective: 2018 Spring Semester

KIN-76 Aikido (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills, moves and techniques of the Japanese Martial Art, Aikido. Students will learn to defend themselves while also protecting their attacker from injury. Basic self defense application and strategies, history, philosophy and training practices will be examined. (Regular Graded) Effective: 2018 Spring Semester

KIN-77 Karate (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the fundamental skills of Karate. Basic moves and techniques for blocking, punching, kicking and sparring will be learned. Students will also learn the philosophy of proper use, attitude, defense techniques, and physical conditioning. (Regular Graded) Effective: 2018 Spring Semester

KIN-78 Taekwondo (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course provides instruction in the fundamental skills of the ancient martial art of Taekwondo. It is designed for a beginning level student. Emphasis will be placed on kicking and punching techniques, along with the proper techniques used in Olympic sparring. This course is designed to take each student up to the level of yellow belt, green stripe. (Belt testing under a recognized institution is optional). (Regular Graded) Effective: 2018 Spring Semester

KIN-80 Varsity Baseball (3.00)

Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate baseball. All varsity sports entail practice and games at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-81 Varsity Basketball (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate basketball. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-82 Varsity Cross Country (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate cross country. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-83 Varsity Football (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate football. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-84 Varsity Golf (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate golf. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-85 Varsity Soccer (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate soccer. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-86 Varsity Softball (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate softball. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-87 Varsity Track and Field (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate track and field. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-88 Varsity Volleyball (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for students who meet the criteria to compete in intercollegiate volleyball. All varsity sports entail practice at designated times. (Regular Graded) Effective: 2018 Spring Semester

KIN-90 Skill Development for Intercollegiate Athletes (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This is a sport-specific skill development course for intercollegiate athletes. Emphasis will be on off-season preparation which includes cardiovascular endurance, flexibility, speed work, plyometric training, and sport-specific activities. (Regular Graded) Effective: 2018 Spring Semester

KIN-91 Strength and Conditioning for Intercollegiate Athletes (1.00)
Hours: 11.00 Lecture. 23.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: Transferable to both UC and CSU.
This course is designed for intercollegiate athletes. Students will be provided with instruction in sport-specific training techniques with the goal of improving overall muscular strength, endurance, and power. Students will develop and maintain a strength and conditioning program using sport-specific drills and equipment. Key areas of study include anatomy and physiology, applied strength and conditioning, psychology of training, motor control, and the prevention of sports injuries. (Regular Graded) Effective: 2018 Spring Semester

KIN-93 Pep Activities (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course provides instruction in the development and practice of pep activities, including dance, choreography, and routine design. There will be emphasis on safety, performance, and cooperative work with others. Students will be required to attend and perform at athletic events. (Regular Graded) Effective: 2018 Spring Semester

KIN-94 Adaptive Physical Education (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to adaptive physical activities that develop strength, cardiovascular endurance, and flexibility. Activity programs will be designed to address individual student need based on physical ability, fitness level, and skill. Individual

instruction may include jogging, walking, weight training, biking, aquatics, and flexibility programs. (Regular Graded) Effective: 2018 Spring Semester

KIN-95 Special Studies-KIN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

LATN-Latin

LATN-1 First Semester Latin (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This is a translation course in elementary Latin, emphasizing a foundational knowledge of Latin pronunciation, vocabulary, grammar, and syntax. Students study the Latin linguistic influence on the English language. Critical discussions on the aspects of Roman civilization relevant to the Latin readings will provide the cultural background with which the student can assess the Roman contribution to modern society. Students who have completed at least one, but fewer than two years of high school Latin (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Latin. Effective: 2007 Fall Semester

LATN-2 Second Semester Latin (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: LATN 1
Transfer Status: Transferable to both UC and CSU.
This course emphasizes an extended knowledge of Latin pronunciation, vocabulary, grammar, and syntax, especially forms of the verb in the indicative mood. This course requires a study of the Latin linguistic influence on the English language. Critical discussions on aspects of Roman civilization relevant to Latin readings will provide a cultural background with which students can assess the Roman contribution to modern society. Students who have completed at least two, but fewer than three years of high school Latin (or equivalent) with a letter grade of "A" or "B" within one year of the present date should register for Third Semester Latin. (Regular Graded) Effective: 2010 Fall Semester

LATN-3 Third Semester Latin (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: LATN 2
Transfer Status: Transferable to both UC and CSU.
This course develops proficient knowledge of Latin pronunciation, vocabulary, composition, syntax and especially grammatical constructions using subjunctive verbs. This course requires the study of Latin influence on the English language and Roman cultural influence on modern civilization. (Regular Graded) Effective: 2010 Fall Semester

LATN-95 Special Studies-LATN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

LIS-Library & Information Science

LIS-11 Research Strategies (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is intended for students wishing to improve their information reasearch skills. Students will develop their abilities to locate, interpret, analyze, synthesize, evaluate and communicate information effectively. Students will learn how to identify and define the scope of a research topic and how to effectively research relevant online catalogs, electronic databases and the World Wide Web. (Regular Graded) Effective: 2014 Fall Semester

LIS-126 Library and Research Skills (1.00)
Hours: 17.00 Lecture.
Transfer Status: Not transferable
This course introduces students to recognizing and using a variety of information resources and formats for research and lifelong learning. Students will be introduced to Butte College information resources, with emphasis on, but not limited to Library resources. Students will learn basic techniques and tools for finding and evaluating information in libraries, the campus community, and the World Wide Web. (This course requires students to demonstrate information mapping skills, describe scope and content of information resources, and retrieve, evaluate and synthesize literature for informed decision-making) (Pass/No Pass) Effective: 2012 Spring Semester

LM-Life Management

LM-40 Life Management (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces the psychological, physiological and social principles needed to achieve personal success in college, relationships, the world of work and life. Students explore how life management strategies positively impact management of one's goals, time, finances, stress and personal wellness; and learn to employ strategies for college success and lifelong learning by identifying one's learning style, personality types, values, attitudes, skills and motivation. Within this course Adult Learning Theory will be explored including Mindset Theory and the influences they have on student success in college. (Regular Graded) Effective: 2013 Spring Semester

MATH-Mathematics

MATH-4 Concepts in Mathematics for Teachers I (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to CSU only.
This course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning. (C-ID MATH 120). (Regular Graded) Effective: 2012 Fall Semester

MATH-5 Concepts in Mathematics for Teachers II (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
This course develops mathematical topics needed for elementary school teaching with a focus on reasoning, problem solving, and communication. The topics include elementary statistics and probability, two- and three-dimensional geometry, measurement, coordinate geometry, and graphing. Meets requirements for elementary school teacher certification. (Regular Graded) Effective: 2012 Fall Semester

MATH-7 Formal Logic and Writing (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course develops an understanding of the relationship of language to logic, which should lead to the ability to analyze, criticize, and advocate ideas and to reason inductively and deductively. Skills will be developed through writing as well as the formal symbolic representation of arguments. (Regular Graded) Effective: 2012 Fall Semester

MATH-11 Math for Liberal Arts (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to CSU only.
This course is a survey of mathematical concepts in a variety of areas. The topics include probability, statistics, set theory, measurement, geometry, and business finance. (Regular Graded) Effective: 2012 Fall Semester

MATH-12 Mathematics for Business Decisions (Finite Mathematics) (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
Linear functions, systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques and an introduction to probability. Applications in business, economics and social sciences. (C-ID MATH 130). (Regular Graded) Effective: 2012 Fall Semester

MATH-13 Survey of Calculus (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied. (C-ID MATH 140). (Regular Graded) Effective: 2012 Fall Semester

MATH-17 Investigative Introductory Statistics (4.00)
Hours: 34.00 Lecture. 68.00 Activity.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
This course is a guided investigation of how to summarize and interpret data to facilitate decision making in a responsible and repeatable way. The use of symbolic manipulation of data, probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making will be emphasized. Topics include data visualization; 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 a broad range of disciplines within the physical and social sciences. This course emphasizes in-class activities and applications. (C-ID MATH 110) (This course is the manifestly about the quantification of critical thinking about data.) (Regular Graded) Effective: 2020 Spring Semester

MATH-18 Introduction to Statistics (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
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. (C-ID MATH 110). (Regular Graded) Effective: 2019 Fall Semester

MATH-20 Trigonometry (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to CSU only.
This course covers the theory and applications of trigonometry. The topics include definitions of circular and right triangle trigonometric functions, graphs, identities, equations, solutions of right and oblique triangles, vectors, polar coordinates, and complex numbers. (Regular Graded) Effective: 2012 Fall Semester

MATH-26 College Algebra (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 116 or MATH 124 or
Transfer Status: Transferable to both UC and CSU.
This course covers advanced algebra concepts beyond the scope of Intermediate Algebra. The topics include algebraic simplifying,

conics, theory and solution of equations and inequalities, systems of equations, linear functions, exponential and logarithmic functions, polynomial and rational functions, binomial expansion and partial fractions. The course is specifically designed for preparation for first semester Calculus (MATH 30). (Regular Graded) Effective: 2012 Fall Semester

MATH-30 Analytic Geometry and Calculus I (5.00)
Hours: 85.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 20; MATH 26 or
Transfer Status: Transferable to both UC and CSU.
A first course in differential and integral calculus of a single variable: functions, limits and continuity, techniques and applications of differentiation and integration, Fundamental Theorem of Calculus. Primarily for Science, Technology, Engineering & Math Majors. (C-ID MATH 210). (Regular Graded) Effective: 2012 Fall Semester

MATH-31 Analytic Geometry and Calculus II (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 30
Transfer Status: Transferable to both UC and CSU.
This course is the second of a series in differential and integral calculus of a single variable. Topics will include the concept, techniques and applications of integration, infinite sequences and series, as well as polar and parametric equations. Intended for Science, Technology, Engineering & Math Majors. (C-ID MATH 220). (Regular Graded) Effective: 2012 Fall Semester

MATH-32 Analytic Geometry and Calculus III (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 31
Transfer Status: Transferable to both UC and CSU.
Vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, divergence theorem. (C-ID MATH 230). (Regular Graded) Effective: 2012 Fall Semester

MATH-40 Differential Equations (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 31
Transfer Status: Transferable to both UC and CSU.
The course is an introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including, series solutions, and singular points, Laplace transforms and linear systems. (C-ID MATH 240). (Regular Graded) Effective: 2012 Fall Semester

MATH-42 Linear Algebra (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 30
Transfer Status: Transferable to both UC and CSU.
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. (C-ID MATH 250). (Regular Graded) Effective: 2012 Fall Semester

MATH-95 Special Studies-MATH (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

MATH-108 Beginning Algebra (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
This course covers fundamental algebraic concepts and operations. The topics include operations with positive and negative real numbers, solving linear, quadratic, and rational equations, applications of linear equations, operations with polynomials, exponential and rational expressions, factoring, graphing linear equations in two variables, and solving systems of linear equations. (Regular Graded) Effective: 2012 Fall Semester

MATH-110 Geometry (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 108 or
Transfer Status: Not transferable
This course covers selected topics in geometry. The topics include congruence, similarity, parallelism, proofs, constructions, the perimeter, area and volume of geometric figures, and an introduction to right triangle trigonometry. (Regular Graded) Effective: 2012 Fall Semester

MATH-116 Accelerated Algebra (6.00)
Hours: 102.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 108 or MATH 217 or
Transfer Status: Not transferable
This course combines the concepts found in traditional elementary and intermediate algebra in an accelerated format. The topics include operations with real numbers, exponential, polynomial, rational, and radical expressions; solving linear, quadratic rational, radical, exponential, and logarithmic equations, inequalities and systems of equations. Additional topics include factoring polynomials, function, complex numbers, graphing of equations and inequalities in one and two variables, applications and an introduction to conic sections so the student can develop techniques to investigate relationships among number types, symbolic manipulation, and graphing. (The students will be solving linear and higher order equations and applying these techniques to solve real world applications. By the end of the course students will need to be able to analyze a variety of situations and make critical decisions as to the technique to be used.) (Regular Graded) Effective: 2017 Fall Semester

MATH-118 Pre-Statistics and Pre-Liberal Arts Math (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course will cover the arithmetic, algebra, technology usage, quantitative language, and data analysis knowledge necessary to succeed in Introductory Statistics or liberal arts mathematics. Emphasis will be on critical thinking and data representation in a real-world context. It is not intended for students majoring in math, science, computer science, or business. (The students will learn to solve equations relating to real-world data and to use those

techniques for analysis and applications.) (Regular Graded) Effective: 2019 Fall Semester

MATH-124 Intermediate Algebra (5.00)
Hours: 85.00 Lecture.
Requisite(s): Completion with a C or better in: MATH 108 or
Transfer Status: Not transferable
This course builds on the concepts and skills learned in Elementary Algebra. The topics include exponents and polynomials, rational and radical expressions and equations, linear and quadratic equations and inequalities, functions, complex numbers, logarithms, and applications. (Regular Graded) Effective: 2012 Fall Semester

MATH-216 Basic Math (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course is designed to review operations of whole numbers and to develop concept and computational skills with fractions, decimals, percents, prime factoring, exponents, limited use of calculators, measurement, area, perimeter, and basic statistics. (This course is a first step in mathematical reasoning; the students must read the problems, determine the method of solution, then apply a plan to solve the problem. Once finished they can analyze the situation and see if there are other ways to arrive at the same answer.) (Regular Graded) Effective: 2016 Spring Semester

MATH-217 Pre-Algebra (4.00)
Hours: 68.00 Lecture.
Transfer Status: Not transferable
This course introduces elements of algebra and reinforces skills needed for operations with real numbers. The topics include operations on integers, fractions, mixed numbers and decimals, ratio, proportion and percents, algebraic expressions and equations, measurement and geometry, exponents, graphing linear equations in two variables, and a variety of applications. (Regular Graded) Effective: 2012 Fall Semester

MATH-318 Math Foundations (0.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course provides students the opportunity to refresh and build their math skills, including fractions, decimals, percents, proportions, integers, measurement, simplifying expressions, solving equations, and graphing lines. Open entry/Open exit. (Students will spend time solving a variety of mathematical applications that require then to synthesize and analyze given information and draw conclusions from their results.) (Satisfactory/Unsatisfactory Only) Effective: 2019 Fall Semester

MCGS-Multicultural and Gender Studies

MCGS-8 Introduction to Multicultural and Gender Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introduction to the concepts, terminology, and issues in multicultural and gender studies. Topics include an exploration of America's multicultural history, gender as an element of culture, social inequality, and contemporary social issues from multiple perspectives to arrive at a plural and multicultural understanding of American society. (Students are required to critically analyze readings, current events, cultural texts, etc. from a multicultural perspective.) (Regular Graded) Effective: 2015 Fall Semester

MCGS-10 Introduction to Women's Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is designed to introduce students to women's studies as an interdisciplinary field of knowledge that explores critical questions about the meaning of gender in society. Women's studies strives to provide equal education to both women and men by making the study of the history and culture of women and women's experiences, generally omitted from the traditional curriculum, the central focus of concentrated scholarship and learning. The purpose of the course is to involve students in the ongoing dialogue of women's experiences and women's socialization by gender, class, race, ethnicity, and culture. Gender scholarship critically analyzes themes of gendered performance and power in a range of social spheres, such as law, culture, education, work, medicine, social policy, the media, and the family. (C-ID SJS 120) (This course requires students to critically analyze reading assignments, films, and events from a feminist perspective. Students will be encouraged to share their analysis in class discussions and through writing assignments.) (Regular Graded) Effective: 2015 Fall Semester

MCGS-32 Introduction to African American Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a multi-disciplinary exploration of the cultural history and experience of African Americans. The African American experience is described and conceptualized as a function of cultural history and the adaptations made by African Americans in more contemporary contexts. The culmination of the comprehensive and detailed history highlights the challenges and creative triumphs of African Americans as indicated through action in social, political, economic, religious, and artistic endeavors. (Regular Graded) Effective: 2016 Fall Semester

MCGS-36 Introduction to Chicano American Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
A multi-disciplinary exploration of the cultural and social milieu of Chicano Americans. "Chicano" is defined as the first generation of Mexican-Americans born to parents from Mexico. Students will trace the development of a definition and rationale for Chicanismo through a critical and comparative examination of relevant literature. Areas that will be examined will include economics, family and religion, social and political behavior, health, education and prejudice, among others. Also included in this examination will be a specific look at the Chicano movement, its goals, methods, and people. (Regular Graded) Effective: 2010 Spring Semester

MCGS-38 Introduction to Asian American Studies (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of the rich and diverse cultural history of various Asian American communities (Chinese, Korean, Japanese, Southeast Asian American, etc.). Emphasis is given to the cultural and historical circumstances that caused various Asian populations to resettle in the United States. Various Asian American populations will be described according to their

immigration and refugee challenges, cultural adaptations, and unique contributions to American society as a whole. (Regular Graded) Effective: 2010 Spring Semester

MCGS-95 Special Studies-MCGS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2018 Fall Semester

MFG-Manufacturing

MFG-10 Introduction to Manufacturing Equipment (8.00)
Hours: 85.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: MFG 12; MFG 14; MFG 16
Transfer Status: Transferable to CSU only.
This course is designed to provide an introduction to basic manufacturing equipment as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills as well as the terminology, history and future of the advanced manufacturing industry. Students will develop necessary skills in basic measurement and trade math, proper tool selection, identifying equipment types, equipment maintenance, drawing interpretation, creating and processing work orders, quality assurance and efficient application of the knowledge of proper feeds, speeds, and pressures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-12 Introduction to Production Welding (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: MFG 10; MFG 14; MFG 16
Transfer Status: Transferable to CSU only.
This course is designed to provide an introduction to production welding using the gas metal arc welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, types of filler metal transfers, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-14 Introduction to Finishing (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: MFG 10; MFG 12; MFG 16
Transfer Status: Transferable to CSU only.
This course is designed to provide and introduction to basic finishing as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, trade math, and the industry terminology, industry history and future, types of finishes, base materials, surface prep, durability, application types, aesthetics, equipment types, equipment maintenance, troubleshooting of equipment, work orders, and quality assurance. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-16 Introduction to the Process of Modeling to Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: ITEC 55Concurrent enrollment or completion with a C or better in: MFG 10; MFG 12; MFG 14
Transfer Status: Transferable to CSU only.
This course is designed to provide an introduction of modeling to production as it relates to advanced manufacturing. Emphasis will be placed on developing basic safety skills, trade math, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-20 Manufacturing Equipment (8.00)
Hours: 85.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 10; MFG 12; MFG 14; MFG 16Concurrent enrollment or completion with a C or better in: MFG 22; MFG 24; MFG 26
Transfer Status: Transferable to CSU only.
This course is designed to introduce the principals and practices of manufacturing equipment as it relates to advanced manufacturing. Emphasis will be placed on developing safety and operation skills used to operate CNC manufacturing equipment. Students will also learn measuring and trade math, tool selection and identification, equipment types, equipment maintenance, drawings, work orders, quality assurance, feeds, speeds, and pressures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-22 Production Welding (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 10; MFG 12; MFG 14; MFG 16Concurrent enrollment or completion with a C or better in: MFG 20; MFG 24; MFG 26
Transfer Status: Transferable to CSU only.
This course is designed to provide training in production welding using pulse spray gas metal arc welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-24 Finishing (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.

Requisite(s): Completion with a C or better in: MFG 10; MFG 12; MFG 14; MFG 16Concurrent enrollment or completion with a C or better in: MFG 20; MFG 22; MFG 26
Transfer Status: Transferable to CSU only.
This course is designed to develop skills involving finishing applications in advanced manufacturing. Emphasis will be placed on developing safety skills, trade math, surface preparation, types of application equipment, application methods, aesthetics, durability, product types, equipment maintenance, troubleshooting of equipment, work orders, and quality assurance. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-26 Intermediate Modeling to Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 10; MFG 12; MFG 14; MFG 16Concurrent enrollment or completion with a C or better in: MFG 20; MFG 22; MFG 24
Transfer Status: Transferable to CSU only.
This course is designed to develop intermediate skills related to modeling to production as it relates to the advanced manufacturing. Emphasis will be placed on developing basic safety skills, trade math, file types and conversions, applications of modeling and production software, equipment selection, data input, and production application. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-30 ERP (Enterprise Resource Planning) Software for Manufacturing (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 20; MFG 22; MFG 24; MFG 26Concurrent enrollment or completion with a C or better in: MFG 32; MFG 34; MFG 36
Transfer Status: Transferable to CSU only.
This course is designed to introduce the principals and practices of ERP (enterprise resource planning) software as it relates to advanced manufacturing. Emphasis will be placed on developing introductory skills to ERP software in the areas of information, production, planning development, manufacturing, customers, and quality control. Students will begin to learn the flow of products through the facility and be able to recognize ways to increase efficiencies. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-32 Introduction to Robotic Welding (4.00)
Hours: 42.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: MFG 20; MFG 22; MFG 24; MFG 26Concurrent enrollment or completion with a C or better in: MFG 30; MFG 34; MFG 36
Transfer Status: Transferable to CSU only.
This course is designed to provide an introduction to production welding using a robotic welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, jigs, and fixtures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-34 3D Modeling to Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 20; MFG 22; MFG 24; MFG 26Concurrent enrollment or completion with a C or better in: MFG 30; MFG 32; MFG 36
Transfer Status: Transferable to CSU only.
This course is designed to develop skills around the cycle of advanced manufacturing from 3D modeling to production. Emphasis will be placed on developing basic safety skills, trade math, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-36 Internship W/ Local Trade Company (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 20; MFG 22; MFG 24; MFG 26Concurrent enrollment or completion with a C or better in: MFG 30; MFG 32; MFG 34
Transfer Status: Transferable to CSU only.
This course is designed to develop students skills by simulations and field internship experiences required to meet industry standards and ISO 9000 (International Organization for Standardization), learn manufacturing standards and Cal OSHA standards and practices. Emphasis will be placed on developing safety skills, troubleshooting skills, production, shop flow, and equipment operations and capabilities. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-40 Advanced ERP (Enterprise resource Planning) Software for Manufacturing (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 30; MFG 32; MFG 34; MFG 36Concurrent enrollment or completion with a C or better in: MFG 42; MFG 44; MFG 46
Transfer Status: Transferable to CSU only.
This course is designed to provide the principals and practices of ERP (enterprise resource planning) software as it relates to advanced manufacturing. Emphasis will be placed on developing advanced skills related to ERP software in the areas of information, production, planning development, manufacturing, customers, and quality control, employees, quotes, sales orders, invoices, and billing. Students will advance their skills as it relates to the flow of products through the facility and be able to recognize ways to increase efficiencies. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-42 Advanced Robotic Welding (4.00)
Hours: 42.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: MFG 30; MFG 32; MFG 34; MFG 36Concurrent enrollment or completion with a C or better in: MFG 40; MFG 44; MFG 46
Transfer Status: Transferable to CSU only.
This course is designed to develop skills in production welding using a robotic welding process as they relate to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, single and dual sided, drawings, work orders, quality assurance, weld evaluation, jigs, and fixtures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-44 Advanced 3D Modeling to Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 30; MFG 32; MFG 34; MFG 36Concurrent enrollment or completion with a C or better in: MFG 40; MFG 42; MFG 46
Transfer Status: Transferable to CSU only.
This course is designed to further develop skills around the cycle of advanced manufacturing from 3D modeling to production. Emphasis will be placed on developing basic safety skills, multiple layers to equipment, making assemblies of parts, using 2D materials to make 3D parts, and the industry terminology. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-46 Advanced Internship W/ Local Trade Company (4.00)
Hours: 34.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: MFG 30; MFG 32; MFG 34; MFG 36Concurrent enrollment or completion with a C or better in: MFG 40; MFG 42; MFG 44
Transfer Status: Transferable to CSU only.
This course is designed to develop students skills by simulations and field internship experiences required to meet industry standards and ISO 9000 (International Organization for Standardization), learn manufacturing standards and Cal OSHA standards and practices. Emphasis will be placed on developing safety skills, production flows, shop operations, equipment operations and capabilities, tooling limitations, product design, product assembly, cost estimating, finishing, and management skills. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. (Regular Graded) Effective: 2019 Fall Semester

MFG-97 Special Problems-MFG (1.00-3.00)
Hours:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2019 Fall Semester

MFG-99 Work Experience-MFG (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2019 Fall Semester

MSP-Multimedia Studies Program

MSP-1 Multimedia Careers (3.00)
Hours: 42.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces the fundamental concepts and skills needed to pursue a multimedia career, and is taken during the first semester of enrollment in the program. The course develops a strong foundation for more specialized course work in Graphic Design for Print and Digital Media, Digital Video and Audio, Digital Photography, Two-and Three-Dimensional Modeling and Animation, and Multimedia Authoring. (Regular Graded) Effective: 2013 Fall Semester

MSP-2 Introduction to Makerspaces (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course explores makerspaces, maker culture, and tools (such as Arduino, CNC Routers, 3D Printers, and Virtual Reality) that accelerate maker tinkering. Through readings, discussion, and hands-on building, students construct insights, strategies, and skills to bring their ideas and projects from concept to completion. (Makerspaces encourage project-based and cross-disciplinary learning and experimentation while developing innovative projects.) (Regular Graded) Effective: 2018 Fall Semester

MSP-3 Introduction to Virtual Reality (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces the technical and experiential design foundations required for the implementation of immersive environments in current and future virtual, augmented and mixed reality platforms. (Students research other virtual reality developers and study their techniques and work flows.) (Regular Graded) Effective: 2018 Spring Semester

MSP-4 Introduction to Augmented Reality (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course gives students an opportunity to learn about a specific subset of mixed reality referred to as augmented reality. With the increasing numbers of application development packages from 3rd party developers, Augmented Reality (AR) development is becoming more intuitive and powerful. Through a wide-range of devices that access cameras and connect to the internet; such as smartphones, tablets and head-mounted displays, designing for the human experience is creating new life-like experiences for using these technologies. Application developers for these devices require a broad set of technical and design skills to create effective interactive AR experiences. (Students will be experimenting with AR projects that cover multiple disciplines and industries.) (Regular Graded) Effective: 2021 Fall Semester

MSP-5 Introduction to Interactive Web Design and Authoring (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to developing interactive content for the World Wide Web. Students will survey online content to gain an understanding of effective Web design principles. Students will learn how to produce interactive content using a variety of programs to create and process text, sound, graphics and video. As a final project, students will design and produce an interactive Website. (Regular Graded) Effective: 2013 Fall Semester

MSP-9 Concept Art and Design for Entertainment Media (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to visualization techniques, ideation processes, and the tools and materials used in professional concept studios in the video game and entertainment industries. Students will be introduced to the history of concept art and its evolution from industrial design and architecture to modern day use in video games, entertainment, and toy design. Students will learn how to develop concepts from the sketch phase through final presentation drawings, brainstorming and teamwork, reading and adapting project briefs, and creating professional presentation boards. This is an essential foundation course for programs and careers in concept art, video games, animation, digital design, graphic design, and industrial design. (Students will be required to read and evaluate both college level texts and professional/technical literature. Students will be required to perform critical analysis of the work of both their classmates and working professionals.) (Regular Graded) Effective: 2012 Fall Semester

MSP-10 Digital Video Design and Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the use of computer and video editing software to create video sequences. Students will use computers to apply the basic concepts of video editing as used in TV, film, computer games, animation, internet design and other image based media. (Regular Graded) Effective: 2013 Fall Semester

MSP-12 Two-Dimensional Animation (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to two-dimensional animation. Topics include storyboards, drawing extremes and in-betweens, defining motion paths, creating illusion of depth, basic Actionscripting for animation, use of type in animated sequences, and other animation techniques. (Regular Graded) Effective: 2013 Fall Semester

MSP-30 Introduction to Digital Art (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to fundamental concepts, practices, and theories of digital art production. Topics include integration of traditional design, color, and compositional principles with contemporary digital tools. (C-ID ARTS 250). (This course encourages students to utilize critical thinking. Analysis - Students will plan and create marketable images. Synthesis - Students will coordinate technical and design skills with conceptual intent to successfully create images.) (Regular Graded) Effective: 2013 Fall Semester

MSP-42 Digital Game Design and Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the use of current software tools for designing indie games. Topics include the creation of game art and the application of authoring to add interactivity. Students will learn to design simple games using multiple software authoring tools. (Critical thinking, analysis and synthesis are central to the disciplines of game design. Flash game design offers opportunities to learn problem solving in relation to interface design, aesthetics and creating interactive content for the web.) (Regular Graded) Effective: 2012 Fall Semester

MSP-44 3D Printing & Rapid Prototype Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to 3D printing for designing and producing physical 3D projects for output. The course covers the foundations of digital 3D design for 3D printing. (Students will learn how to operate and maintain 3D printers, as well as research industry best practices.) (Regular Graded) Effective: 2017 Fall Semester

MSP-45 3-D Computer Modeling and Animation (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to the use of software techniques to create and animate three-dimensional environments and objects. Students will learn to create photo-realistic models and scenes enhanced by lighting, shadows, reflection, and textures, and will learn to produce camera fly-throughs and basic character animation sequences. (Regular Graded) Effective: 2013 Fall Semester

MSP-50 Digital Publication Design (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to electronic page layout and design. Topics include principles of traditional and digital document design, software instruction, basic principles of typography, layout, design, publishing and distribution. (Students research publication design projects and designers to study techniques and work flows. Repetition and retention of dozens of key commands and tools must be utilized while developing concepts for producing design projects.) (Regular Graded) Effective: 2017 Spring Semester

MSP-51 Photoshop for Designers (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to using Adobe Photoshop for digital compositing in illustration, advertising design, multimedia projects, designing for print media, and creating typographic imagery for design projects. Topics include: incorporating Photoshop into projects developed for print and online design, creating digital collages, and producing digital output for clients in the design industries. (Students research other Photoshop users and study their techniques and work flows. Repetition and retention of dozens of key commands and tools must be utilized while developing concepts for producing design projects.) (Regular Graded) Effective: 2016 Spring Semester

MSP-52 Portfolio Design and Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is designed for students preparing for employment in the multimedia and graphic design industries. Topics include design career opportunities, principles of portfolio preparation, portfolio design, software, digital and print production, and outlets for distribution. (Students research other portfolios and designers to study the projects and evaluate best practices.) (Regular Graded) Effective: 2017 Spring Semester

MSP-53 Designing for Mobile Devices (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.

This course is an introduction to designing for mobile touchscreen devices including smartphones and tablets. Topics include developing mobile concepts, designing for mobile devices, prototyping, user experience and user interaction design processes. (Students research UX and UI projects and study the techniques and work flows. Writing personas and interviewing users helps student with critical skills development. Students research publication design projects and designers to study techniques and work flows. Repetition and retention of dozens of key commands and tools must be utilized while developing concepts for producing design projects.) (Regular Graded) Effective: 2016 Fall Semester

MSP-55 Introduction to Drone Management and Operations (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the operation of drones, Unmanned Aerial Systems (UAS) and current and future developments within industries utilizing these systems. Topics include: ethical and legal issues, industry standards, operating unmanned aerial vehicles, communication, navigation, launch and recovery, control stations, payloads, video and photography and support equipment. (Students will research multiple industries where drones are used. They will also study disciplines outside of the Multimedia program where drones can be implemented, such as Agriculture, Fire Science, Law Enforcement, Construction, and other programs that will expand their knowledge of these areas and prepare them for working within multiple industries.) (Regular Graded) Effective: 2018 Fall Semester

MSP-56 Drone Video and Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
Students will be introduced to the world of Unmanned Aerial Systems. This course takes a look at everything from current Unmanned Aircraft Systems to future civilian applications. In addition to learning about this new industry, students will be introduced to flying remotely piloted aircraft and operating entry level Unmanned Aerial Vehicles for the purposes of recording video and digital imaging. (Students will research multiple industries where drones are used. They will also study disciplines outside of the Multimedia program where drones can be implemented, such as Agriculture, Fire Science, Law Enforcement, Construction, and other programs that will expand their knowledge of these areas and prepare them for working within multiple industries.) (Regular Graded) Effective: 2018 Fall Semester

MSP-68 T-Shirt Design and Promotional Products (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
In this course students will develop digital art, illustration and graphic design projects for transfer to t-shirts, mugs and other promotional items. The students will work with media, conceptualization of ideas, collaboration, Photoshop, Illustrator, reproduction and production techniques. Students will be required to conduct research and identify target markets. (This class pushes students to research and analyze various design industries.) (Regular Graded) Effective: 2013 Fall Semester

MSP-74 Multimedia Production I (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces students to skills and techniques used to produce computer generated multimedia presentations. Areas of study will include the development of multimedia projects and the study of multimedia tools, the selection of hardware, use of text, photography, graphics, animation, digital video and audio. (Regular Graded) Effective: 2013 Fall Semester

MSP-75 Multimedia Production II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MSP 74
Transfer Status: Transferable to CSU only.
This is an intermediate course in multimedia production that focuses on the application of interactive design techniques. Students will produce original content in the creation of multimedia projects. (Regular Graded) Effective: 2013 Fall Semester

MSP-96 Introduction to Computer Graphics (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the skills, techniques and tools to produce computer generated graphics. Areas of study will include: the basics of computer drawing and design, adding text to graphics, converting and exporting graphics into multiple formats for print and online, and modification and transformation techniques. (Regular Graded) Effective: 2000 Fall Semester

MSP-97 Special Problems-MSP (1.00-3.00)
Hours:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2019 Fall Semester

MSP-99 Work Experience-MSP (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2011 Spring Semester

MSP-300 Maker Space Supervised Training and Skill Building (0.00)
Hours: 136.00 Laboratory.
Transfer Status: Not transferable
This course provides students with tutorial and training support using instructional aides, student tutors, and instructional technicians, to develop skills needed for modern computer-aided creation technologies used increasingly in a variety of traditional career tracks including creative arts, marketing, entrepreneurship and prototyping in engineering applications. The maker space course will allow for supported creation based choices made across programs and pedagogy to utilize hands on activities in a diverse cross-disciplinary environment. (By being introduced to multiple types of equipment, such as CNC routers, 3D Printers, sewing machines, laser cutters, and electronics, students build skills in trouble-shooting, research, and problem solving on multiple levels.) (Ungraded) Effective: 2018 Summer Semester

MUS-Music

MUS-1 Music Appreciation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the music of western culture from antiquity to the present for understanding through informed listening, analysis, evaluation, and discernment of musical elements, forms, styles, repertoire and the role of music and musicians in the western world. (C-ID MUS 100). (This course requires students to carefully listen to music for elements of style:form, texture, timbre, melody, rhythm, and harmony.) (Regular Graded) Effective: 2014 Fall Semester

MUS-3 Music Fundamentals (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introduction to the notation and primary elements of tonal music. Incorporates the following concepts: staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. Development of skills in handwritten notation is expected. (C-ID MUS 110). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-4 Song Writing (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is designed to teach students the basics of song writing with emphasis on the four primary elements required to write a good song: lyric development, chord progressions, melodic development, and song forms. Focus will be on creative songwriting by individuals and in teams, reflecting the trends in the modern music industry. (They will learn how to analyze the lyrics, chord progressions, melodies, and rhythms of highly successful songs.) (Regular Graded) Effective: 2020 Fall Semester

MUS-5 American Popular Music (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines the development of popular music in America, from its African and European origins to the multitude of styles that exist today. Emphasis is on the historical and socio-economic factors that shaped this unique body of music. Through use of lecture, sound recordings, video and reading, students will develop a new awareness of the musical elements and stylistic continuity present in pop music. (More than anything, this course requires that students listen to music critically in terms of structure, instrumental proficiency, and style. For most students this is a new experience. The course also requires that students listen critically to music outside their musical comfort zone.) (Regular Graded) Effective: 2011 Spring Semester

MUS-6 Women and Music (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of women's roles in the development of music. Students will explore why women have been historically overlooked. Course content includes women's roles as composers, performers, poets, patrons, promoters, and publishers. (Students will develop critical thinking through the analysis of musical style and by studying how cultural thought has shaped the development of multiple musical styles. Students will continue to develop their ability to think through extensive reading and writing on the history of women in music. This course will also encourage students to examine previously conceived opinions and any possible influences that can or has affected their opinions.) (Regular Graded) Effective: 2015 Fall Semester

MUS-7 Jazz Appreciation (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is the study of jazz from its African origins to the various forms in which it exists today. Emphasis is on historical and socio-economic factors in the development of jazz. The course includes a stylistic analysis of jazz and its musical elements in order to develop musical awareness. (Students will apply the knowledge of the elements of music when listening to and analyzing new music.) (Regular Graded) Effective: 2007 Fall Semester

MUS-9 World Music (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the music of non-Western cultures. The course examines the music of a number of cultures including representative examples drawn from the traditions of Africa, Southeastern Europe, Asia, and Latin America. Classical, folk and popular idioms are explored with emphasis on how the various cultures influence the creation and performance of music. (Regular Graded) Effective: 2015 Fall Semester

MUS-10 Music Theory I (3.00)
Hours: 51.00 Lecture.
Requisite(s): Concurrent enrollment or completion with a C or better in: MUS 11; MUS 20; MUS 30 or MUS 40
Transfer Status: Transferable to both UC and CSU.
This course, through guided composition and analysis, incorporates the following concepts: rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords, basic cadential formulas and phrase structure; dominant seventh; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected. Examples from, and discussion about historical and social contexts will be integrated throughout the course. (C-ID MUS 120). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-11 Musicianship I (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: MUS 10; MUS 20; MUS 30 or MUS 40
Transfer Status: Transferable to both UC and CSU.
This course applies and develops the rhythmic, melodic, and harmonic materials presented in Music Theory I through ear training, sight singing, analysis, and dictation. (C-ID MUS 125). (Students will develop their score reading and notation skills

through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-12 Music Theory II (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MUS 10Concurrent enrollment or completion with a C or better in: MUS 13; MUS 21; MUS 31 or MUS 41
Transfer Status: Transferable to both UC and CSU.
This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation. Examples from, and discussion about historical and social contexts will be integrated throughout the course.(C-ID MUS 130). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-13 Musicianship II (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 11Concurrent enrollment or completion with a C or better in: MUS 12; MUS 21; MUS 31; MUS 41
Transfer Status: Transferable to both UC and CSU.
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation. (C-ID MUS 135). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2015 Spring Semester

MUS-14 Music Theory III (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MUS 12Concurrent enrollment or completion with a C or better in: MUS 15; MUS 22; MUS 32 or MUS 42
Transfer Status: Transferable to both UC and CSU.
This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords. (C-ID MUS 140). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2015 Fall Semester

MUS-15 Musicianship III (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 13Concurrent enrollment or completion with a C or better in: MUS 14; MUS 22; MUS 32 or MUS 42
Transfer Status: Transferable to both UC and CSU.
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight singing, analysis, and dictation. (C-ID MUS 145). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2015 Fall Semester

MUS-16 Music Theory IV (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: MUS 14Concurrent enrollment or completion with a C or better in: MUS 17; MUS 23; MUS 33 or MUS 43
Transfer Status: Transferable to both UC and CSU.
This course incorporates the concepts from Music Theory III. In addition, through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented sixth chords, 9th, 11th, and 13th chords, altered chords and dominants; and 20th century techniques such as: Impressionism, tone rows, pandiatonicism and polytonalism, meter and rhythm. (C-ID MUS 150). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2016 Spring Semester

MUS-17 Musicianship IV (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 15Concurrent enrollment or completion with a C or better in: MUS 16; MUS 23; MUS 33 or MUS 43
Transfer Status: Transferable to both UC and CSU.
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory IV through ear training, sight singing, analysis, and dictation. (C-ID MUS 155). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2016 Spring Semester

MUS-20 Guitar I (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Selected by audition
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for the guitar. The focus of the course is on fundamentals: reading music, posture, hand position, fingering, rhythm, chord structure and progressions, and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors.

(C-ID MUS 160). (Regular Graded) Effective: 2014 Spring Semester

MUS-21 Guitar II (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 20
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for the guitar at an intermediate level. The focus of the course remains on fundamentals: reading music, posture, hand position, fingering, rhythm, chord structure and progressions, and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Regular Graded) Effective: 2014 Fall Semester

MUS-22 Guitar III (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for the guitar at an advanced intermediate level. The focus of the course is on building technique and repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Regular Graded) Effective: 2014 Fall Semester

MUS-23 Guitar IV (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for the guitar at an advanced level. The focus of the course continues to be on building technique and performance confidence and adding repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-30 Voice I (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Selected by Audition
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for voice. The focus of the course is on fundamentals: reading music, posture, rhythm, breath control, and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Regular Graded) Effective: 2014 Spring Semester

MUS-31 Voice II (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 30
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for voice at an intermediate level. The focus of the course is on fundamentals: reading music, posture, breath control, repertoire and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-32 Voice III (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 31
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for voice at an advanced intermediate level. The focus of the course is on development of technique and repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-33 Voice IV (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 32
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for voice at an advanced level. The focus of the course is on continuing development of vocal technique and repertoire building. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160). (By teaching them to sing in French and German, as well as Italian and English. Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-40 Piano I (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to beginning keyboard skills, including notation. It includes basic technique, major and minor five finger patterns, major scales, sight reading and basic chord progressions, as they are encountered in beginning piano music. (C-ID MUS 170) (Requires students to learn new physical skills, and learn to read and apply the information of the symbolic

language that is written music.) (Regular Graded) Effective: 2014 Spring Semester

MUS-41 Piano II (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 40
Transfer Status: Transferable to both UC and CSU.
In this course students refine and further develop beginning keyboard skills. This includes piano technique, major scales and arpeggios, sight-reading, chord progressions and harmonization and transposition skills, as encountered in upper-beginning/early intermediate piano music. (C-ID MUS 171) (Regular Graded) Effective: 2014 Fall Semester

MUS-42 Piano III (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 41
Transfer Status: Transferable to both UC and CSU.
This course will allow students to refine and develop beginning keyboard skills. Piano technique, major and minor scales and arpeggios, sight-reading, expanded chord progressions, and harmonization and transposition skills are encountered in intermediate piano music. (C-ID MUS 172) (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-43 Piano IV (1.00)
Hours: 8.50 Lecture. 25.50 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
This course will allow students to refine and develop beginning and intermediate keyboard skills. Advanced piano technique, major and minor scales and arpeggios, sight-reading, expanded chord progressions, and harmonization and transposition skills are encountered in intermediate/advanced piano music. (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-51 Computer Literacy for Musicians (1.50)
Hours: 17.00 Lecture. 34.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is a study of the operation of computers and basic practices for their use in music composition. Emphasis is placed on computer music applications including sequencing, notation, and sound design. The course focuses on entry-level details in system and music file management, music recording and creation, and the practical software applications used in the music field. (Regular Graded) Effective: 2012 Fall Semester

MUS-52 Introduction to Recording Techniques (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Transfer Status: Transferable to CSU only.
In this course students will learn the fundamentals of studio recording techniques. Topics will include the history of recording technology, the fundamentals of sound, signal flow, microphone techniques, Digital Audio Workstations (DAWs), recording techniques, mixing consoles and typical studio gear. Students will gain hands-on experience with industry standard studio equipment in a professional quality recording studio. (Students will be required to analyze modern recording techniques in conjunction with taking a project from inseption to completion. Problem solving, creativity and synthesis of ideas, all combine, to meet the course requirements.) (Regular Graded) Effective: 2021 Fall Semester

MUS-53 Introduction to Recording Software Applications (3.00)
Hours: 25.50 Lecture. 76.50 Laboratory.
Requisite(s): Completion with a C or better in: MUS 51
Transfer Status: Transferable to CSU only.
This course is an introduction to audio recording software applications, such as Apple Logic Pro and Avid Pro Tools, as well as other industry standard recording softwares. Students will learn to record, edit, mix, and export audio recordings in these software applications. (Students will be required to analyze modern recording techniques in conjunction with taking a project from inseption to completion. Problem solving, creativity and synthesis of ideas, all combine, to meet the course requirements.) (Regular Graded) Effective: 2010 Spring Semester

MUS-54 Studio Recording I (4.00)
Hours: 17.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 51; MUS 52
Transfer Status: Transferable to CSU only.
This is a hands-on, project-based course in which students will apply learned methods and skills to Lab practice sessions and studio recording sessions. Students will set up and record using microphone technique, signal flow, gain staging and DAW recording, to create professional quality recordings. Students will learn proper microphone technique and post-production mixing techniques. The course will also cover how to copyright and publish music. (Students will be required to analyze modern recording techniques in conjunction with taking a project from inseption to completion. Problem solving, creativity and synthesis of ideas, all combine, to meet the course requirements.) (Regular Graded) Effective: 2021 Fall Semester

MUS-55 Studio Recording II (4.00)
Hours: 17.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 54
Transfer Status: Transferable to CSU only.
This is a project-based course in which students will learn and apply advanced methods and skills to studio recording sessions and song production. Students will schedule, organize and produce recording sessions with musical artists. This course will provide training in advanced microphone placement and mixing techniques. This course will also cover studio etiquette, copyright and ethics of music ownership rights. (Students will be required to analyze digital recording techniques in conjunction with taking an advanced project from inception to completion.Problem solving, creativity, and a synthesis of techniques all combine to meet this requirement.) (Regular Graded) Effective: 2014 Summer Semester

MUS-60 Performance Ensemble (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Audition Required
Transfer Status: Transferable to both UC and CSU.
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Choice of

ensemble is based on each student's identified major instrument or voice. This course may be repeated three times as required for completion of the AA-T in Music. (C-ID MUS 180). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2014 Fall Semester

MUS-61 Pop Ensemble (1.00)
Hours: 68.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Ability to play at least one instrument (guitar, bass, drums, keyboard) or vocalize in a popular style; audition/demonstrated instrumental or vocal skill required
Transfer Status: Transferable to both UC and CSU.
This course is a specialized ensemble for the study, rehearsal, and public performance of contemporary pop and commercial styles. In addition, ensembles particular to jazz and pop genres would be included, such as combo instrumental ensembles and specialized vocal arrangement ensembles. Different literature will be studied each semester. The course is repeatable for credit the maximum times allowable by regulation. (C-ID MUS 185) (They will be analyzing song structure and arrangement techniques of popular music. This analysis will be applicable to performing and writing popular music.) (Regular Graded) Effective: 2020 Fall Semester

MUS-70 Choir (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Limitation on Enrollment Non Course Requirement: Audition Required
Transfer Status: Transferable to both UC and CSU.
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified voice. This course may be repeated three times as required for completion of the AA-T in Music (C-ID MUS 180). (Students will develop their score reading and notation skills through weekly exercises of increasing complexity. Through class activities, students will analyze, problem solve, evaluate, appraise and assess, justify, apply principles, comprehend concepts and use the symbols of music theory to discover the compositional practices present in an array of musical compositions.) (Regular Graded) Effective: 2019 Spring Semester

MUS-80 Theory & Musicianship I (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course incorporates and develops concepts including complete cadential formulae, phrase structure analysis, chord function theory, and four-part voice-leading principles through guided composition analysis and practice. Rhythmic, melodic, and harmonic materials will be applied and developed through ear training, sight singing, analysis, and dictation. Additionally, students will discuss, analyze, and apply theoretical and musicianship topics across historical musical styles, aesthetics, and cultures. Activities in class may include performing exercises on piano and sight-singing rhythmic and melodic exercises. (C-ID MUS 120 & MUS 125) (Music Theory is very helpful in analyzing and critical thinking) (Regular Graded) Effective: 2021 Fall Semester

MUS-82 Theory & Musicianship II (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 80
Transfer Status: Transferable to CSU only.
This course incorporates and further develops the concepts from Theory & Musicianship I. Through guided composition and analysis, the course will include fundamental two voice contrapuntal principles and chromatic chord functions and voice-leading. In addition, rhythmic, melodic, and harmonic materials are applied and developed through ear training, sight singing, analysis, and dictation. Activities in class may include performing exercises on piano and sight-singing rhythmic and melodic exercises. (C-ID MUS 130 & MUS 135) (Music Theory has proven in studies to contribute to critical thinking skills.) (Regular Graded) Effective: 2021 Fall Semester

MUS-84 Theory & Musicianship III (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 82
Transfer Status: Transferable to CSU only.
This course incorporates and further develops the concepts covered in Theory & Musicianship II. Through guided composition and analysis, the course will include more advanced chromatic chord functions and voice-leading. In addition rhythmic, melodic, and harmonic materials are applied and developed through ear training, sight singing, analysis, and dictation. Activities in class may include performing exercises on piano and sight-singing rhythmic and melodic exercises. (C-ID MUS 140 & MUS 145) (Music courses have been scientifically proven to add to critical thinking skills.) (Regular Graded) Effective: 2021 Fall Semester

MUS-86 Theory & Musicianship IV (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MUS 84
Transfer Status: Transferable to CSU only.
This course incorporates and further develops concepts covered in Theory & Musicianship III. Through guided composition and analysis, the course will include late Romantic, Neo-Romantic, and Modernist harmonic and rhythmic structures and techniques. In addition, rhythmic, melodic, and harmonic materials are applied and developed through ear training, sight singing, analysis, and dictation. Activities in class may include performing exercises on piano and sight-singing rhythmic and melodic exercises. (C-ID MUS 150 & MUS 155) (Regular Graded) Effective: 2021 Fall Semester

MUS-88 Applied Music (1.00)
Hours: 34.00 Activity.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: MUS 60 or MUS 70 or
Transfer Status: Transferable to both UC and CSU.
This course consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied through private instruction. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course may be repeated three times. (C-ID MUS 160) (The study of music and specifically performing music on an instrument has been proven in research to increase critical thinking and analysis skills.) (Regular Graded) Effective: 2021 Fall Semester

MUS-95 Special Studies-MUS (1.00-3.00)
Hours:

Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

MUS-99 Work Experience-MUS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2010 Fall Semester

NR-Natural Resources

NR-12 Dendrology/Native Plant Identification (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is the study of botanical characteristics, taxonomy, physiology, and community relationships of the major trees and shrubs in the Western United States. Discussion of commercial uses and geographic ranges of these plants. (Students will be able to use library, internet, and other resources including computers to research and write a scientific paper illustrating the silvical characteristics of an assigned species. Ability to cut and paste in this tool is awful!) (Graded Only) Effective: 2019 Spring Semester

NR-20 Introduction to Forestry and Natural Resources (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the integrated management of natural resources including trees, soil, water, fish, and wildlife for the production of wood and fiber products. The emphasis will be on both the traditional and emerging uses of the forest resource to satisfy human needs and the consequent protection of the public trust. Basic biological and ecological processes will be introduced along with discussion of the scientific method and preparing reports. (Regular Graded) Effective: 2014 Fall Semester

NR-26 Environmental World (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an interdisciplinary study of the world environment with a focus on human use and protection of natural resources across ethnic and cultural boundaries. Environmental issues involving the exploitation and conservation of natural resources will be studied for their modern as well as historical, political, economic and social implications. Particular attention is paid to the condition of natural resources, including soil, water, forest, mineral, plant and animal life throughout California. The citizen's role in natural resource conservation is stressed throughout the course. (Graded Only) Effective: 2010 Spring Semester

NR-28 Environmental Management (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the conservation and management of natural resources. Students will learn about the diverse agencies that manage our resources along with their history and philosophies. The major natural resources including water, air, energy, forests, wildlife, agriculture, and soils will be covered and students will learn about the environmental policy and laws that govern use of these resources. An emphasis is placed on the practical components of Environmental Science as it relates to social and economic aspects of conservation. (Regular Graded) Effective: 2013 Fall Semester

NR-40 Watershed Ecology and Habitat Restoration (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the methods, techniques, and tools used to restore and enhance watershed health. Topics will include reforestation techniques, hydrologic cycle, disturbance mitigation, and use of native plants for biofiltration. The course emphasizes local water issues and restoration efforts. (Regular Graded) Effective: 2014 Spring Semester

NR-55 Wildlife Management (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
The course is a study of plant and animal ecology in relation to principles of wildlife management with an emphasis on identification, sexing and aging criteria, wildlife population dynamics, wildlife habitat, and a review of trapping and marking techniques. (Regular Graded) Effective: 2013 Fall Semester

NR-60 Natural Resources Law (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course introduces students to federal and state laws and regulations pertaining to the management and protection of natural resources. Topics include the history and development of environmental law including Air and Water Quality Acts, National Environmental Policy Act, and Endangered Species Act. (Graded Only) Effective: 2011 Fall Semester

NR-65 Recreational Land Management (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the techniques, issues and laws pertaining to recreational land management. Topics include types of recreational activities, evaluation of site resources, maintainance and operation of outdoor recreational facilities. Analyses of social and economic factors that affect participation in recreational activities will be included. (Regular Graded) Effective: 2014 Spring Semester

NR-70 Geospatial Data Applications (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to applied Geographical Information Systems (GIS) and provides the knowledge and practical experience necessary to develop skills in the acquisition of Global Positioning System's (GPS) data and its application to (GIS) for presentation and use in precision agriculture, field biology/botany, natural resources and park-land management, as well as heavy

equipment operation. No previous GIS experience is assumed. (Regular Graded) Effective: 2014 Fall Semester

NR-97 Special Problems-NR (1.00-3.00)
Hours:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2019 Fall Semester

NR-99 Work Experience-NR (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2015 Fall Semester

NSG-Nursing

NSG-18 Fundamentals of Nursing (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 21; NSG 22; NSG 23; NSG 24; NSG 28
Transfer Status: Transferable to CSU only.
This course focuses on the client-centered study of fundamental nursing concepts applicable to all clinical areas in vocational nursing. (Graded Only) Effective: 2003 Fall Semester

NSG-21 Clinical Nursing I (7.00)
Hours: 357.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 18; NSG 22; NSG 23; NSG 24; NSG 28
Transfer Status: Transferable to CSU only.
In this course students apply fundamental nursing skills and provide client care for adults. The course provides the opportunity to apply didactic information from concurrent nursing courses to the clinical setting. (Pass/No Pass) Effective: 2007 Fall Semester

NSG-22 Gerontology Nursing (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 18; NSG 21; NSG 23; NSG 24; NSG 28
Transfer Status: Transferable to CSU only.
This course introduces the vocational nursing student to the facts and myths of the older population, common conditions and diseases, assistive and restorative resources, and the older person's physiological and psychological responses to illness and medication. Included in the unit is the normal physiological and psychological aging process as well as information supportive of positive and healthy aging. (Graded Only) Effective: 2002 Fall Semester

NSG-23 Pharmacology Nursing (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 24; NSG 28
Transfer Status: Transferable to CSU only.
This course covers basic applied pharmacology and major drug groups. Students will learn computation of drug dosages and safe and correct administration of medications. Emphasis will be placed on drug action, pharmacokinetics, adverse drug effects, side effects of drug therapy and nursing process related to drug groups. The course will be closely correlated to concurrent medical-surgical theory and clinical experiences. (Graded Only) Effective: 2003 Fall Semester

NSG-24 Musculoskeletal Nursing (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 28
Transfer Status: Transferable to CSU only.
This course provides a foundation in the study of nursing process, basic physiology and pathophysiology related to adult clients experiencing disorders of the musculoskeletal system. (Graded Only) Effective: 2002 Fall Semester

NSG-28 Role Development (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24
Transfer Status: Transferable to CSU only.
This course focuses on developing therapeutic communication skills in all aspects of nursing care. Nursing process as it applies to interpersonal communication and personality development theory will be integrated throughout course. (Graded Only) Effective: 2002 Fall Semester

NSG-31 Clinical Nursing II (7.00)
Hours: 357.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24; NSG 28Concurrent enrollment or completion with a C or better in: NSG 32; NSG 35; NSG 36; NSG 37
Transfer Status: Transferable to CSU only.
This course further develops skills developed during Clinical Nursing I and prepares students to provide care for hospitalized patients. Focus is on adult Medical-Surgical nursing as related to concurrent nursing units. Care for the perioperative patient is emphasized. (Pass/No Pass) Effective: 2007 Fall Semester

NSG-32 Perioperative Nursing and Client Education (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24; NSG 28Concurrent enrollment or completion with a C or better in: NSG 31; NSG 35; NSG 36; NSG 37
Transfer Status: Transferable to CSU only.
This course provides an introduction to nursing care related to clients in the preoperative, intraoperative and postoperative phases of surgical care. Included is a focused study of the teaching needs of clients and families in perioperative settings.

Development of client education skills, awareness of barriers to client learning, and a review of adult learning styles is included. Medications used during each phase of the perioperative process is addressed. (Graded Only) Effective: 2002 Fall Semester

NSG-35 Cardiovascular and Respiratory Nursing (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24; NSG 28Concurrent enrollment or completion with a C or better in: NSG 31; NSG 32; NSG 36; NSG 37
Transfer Status: Transferable to CSU only.
This course introduces students to the nursing process related to adult clients experiencing disorders of the respiratory, cardiovascular, hematologic, and immune systems. Pathophysiology and medical treatment of diseases of the respiratory, cardiovascular, and immune systems are addressed. (Graded Only) Effective: 2002 Fall Semester

NSG-36 Gastrointestinal and Renal/Urinary Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24; NSG 28Concurrent enrollment or completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 37
Transfer Status: Transferable to CSU only.
This course provides the student with the tools to use critical thinking skills in application of knowledge in the pathophysiology and nursing care of clients with disorders of the gastrointestinal and renal/urinary systems. Emphasis will be placed on individualized care and teaching of the client and family will focus on biophysical and rehabilitation needs, as well as cultural and psychosocial influences. A brief review of medications appropriate to each disease process will be integrated into the lecture. (Graded Only) Effective: 2012 Spring Semester

NSG-37 Endocrine Disorders (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 18; NSG 21; NSG 22; NSG 23; NSG 24; NSG 28Concurrent enrollment or completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36
Transfer Status: Transferable to CSU only.
This course covers basic nursing process, basic physiology, pathophysiology, medical care, complications, and nursing care related to clients experiencing disorders of the endocrine system. (Graded Only) Effective: 2002 Fall Semester

NSG-41 Clinical Nursing III (7.00)
Hours: 357.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 42; NSG 43; NSG 44; NSG 47; NSG 49
Transfer Status: Transferable to CSU only.
This course is a continuation of hospital clinical experience with a concentration on adult Medical-Surgical Nursing. (Pass/No Pass) Effective: 2007 Fall Semester

NSG-42 Maternal Child Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 41; NSG 43; NSG 44; NSG 47; NSG 49
Transfer Status: Transferable to CSU only.
This course provides a foundation in the study of maternal-child care. Maternal-child nursing presents family centered care throughout the perinatal period and continues with the study of family centered care of children from infancy through adolescence. Included are disorders of the reproductive system. (Graded Only) Effective: 2003 Fall Semester

NSG-43 Neurological and Rehabilitation Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 41; NSG 42; NSG 44; NSG 47; NSG 49
Transfer Status: Transferable to CSU only.
This course provides a foundation in the study of nursing care and basic physiology and pathophysiology related to clients experiencing disorders of the nervous system. Emphasis is on client, family, and group centered care. This course also addresses biophysical, psychosocial, cultural, and rehabilitation needs of adult clients. Students are introduced to principles and strategies for the promotion of wellness. (Graded Only) Effective: 2004 Fall Semester

NSG-44 Psych/Mental Health Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 41; NSG 42; NSG 43; NSG 47; NSG 49
Transfer Status: Transferable to CSU only.
This course is an exploration of the psychology of maladaptive behavior and students are introduced to principles and strategies for the promotion of wellness. (Graded Only) Effective: 2002 Fall Semester

NSG-47 Oncology Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 41; NSG 42; NSG 43; NSG 49
Transfer Status: Transferable to CSU only.
This course provides a foundation in the study of oncology nursing care including an introduction to oncology, prevention, detection and medical treatment. Content includes loss, grief, and death and dying. (Graded Only) Effective: 2002 Fall Semester

NSG-49 Role Development and Vocational Relations/ Leadership (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 31; NSG 32; NSG 35; NSG 36; NSG 37Concurrent enrollment or completion with a C or better in: NSG 41; NSG 42; NSG 43; NSG 44; NSG 47
Transfer Status: Transferable to CSU only.
This course provides an overview of the role of a nurse manager/ supervisor and leader in a structured setting. The focus is on the development of the basic skills that facilitate the management process. Career opportunities, employer/employee relationships and responsibilities, as well as professional expectations are explored. This course will also provide an overview of nursing history, theory, legal and ethical concerns, and scope of practice of the LVN. (Graded Only) Effective: 2003 Fall Semester

NSG-50 Principles of I.V. Therapy and Blood Withdrawal (2.00)
Hours: 29.00 Lecture. 9.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course provides the Licensed Vocational Nurse (LVN) with state certification in intravenous (IV) therapy and blood withdrawal. The theory related to legal responsibilities, infection control, fluid and electrolytes, composition of parenteral solutions, technique for venipuncture, equipment and transfusion therapy

are presented based on state guidelines. Hands on experience is provided during lab time with IV and blood withdrawal equipment and simulation arm models. The student will be required to complete three venipunctures and blood withdrawals on clients in a clinic setting, as per state requirements. This course provides 36 hours of continuing education for the LVN. (Regular Graded) Effective: 2003 Fall Semester

NSG-54 Foundations of Practice (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 55; NSG 56
Transfer Status: Transferable to CSU only.
This course utilizes the conceptual framework of the nursing curriculum to provide the foundation for nursing practice. Common threads integrated throughout the program are nursing process, nutrition, medication administration, cultural diversity, communication and professional roles. Topics include an introduction to nursing care, legal and ethical aspects, therapeutic communication, and concepts underlying current professional practice. This course provides a foundation to prepare the student to use critical thinking and the nursing process in providing direct patient care. (This is the core course in the RN program and teaches critical thinking using the nursing process.) (Graded Only) Effective: 2003 Fall Semester

NSG-55 Medical Surgical Nursing I (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 54; NSG 56
Transfer Status: Transferable to CSU only.
This course examines the pathophysiological foundations of health and disease and introduces the role of the nursing process in the maintenance, restoration and promotion of health. Emphasis is placed on developing familiarity with the role of the professional nurse: gathering information, formulating nursing diagnoses, planning interventions, implementation or care, medication administration, and evaluation of outcomes. (Graded Only) Effective: 2003 Fall Semester

NSG-56 Clinical Nursing I (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 54; NSG 55
Transfer Status: Transferable to CSU only.
This course applies theory from Foundations of Practice and Medical Surgical Nursing I to the hospitalized client utilizing simulated skills lab and clinical experiences in hospitals to provide services to adult clients. Emphasis will be placed upon the role of the registered nurse in delivery of basic bedside care, medication administration, and applying the nursing process to delivery of safe care. (Pass/No Pass) Effective: 2003 Fall Semester

NSG-60 Maternity Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 54; NSG 55; NSG 56Concurrent enrollment or completion with a C or better in: NSG 62; NSG 63; NSG 66
Transfer Status: Transferable to CSU only.
This course prepares the Associate Degree Nursing student to care for clients in the maternity setting. The focus is on family centered maternity nursing beginning in the prenatal period through the care of the family in the postpartum period and care of the newborn. Using a nursing process approach, study includes normal and high risk maternal care and normal and high risk infant care. In addition, content related to the male and female reproductive system is addressed. (Graded Only) Effective: 2009 Spring Semester

NSG-61 Pharmacology (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 67; NSG 68; NSG 69
Transfer Status: Transferable to CSU only.
This course is a study of the fundamental concepts of pharmacology, with a focus on pharmacokinetics, pharmacodynamics, and related nursing implications for the major drug classes. Nursing process and cultural implications will be discussed for the basic drug classifications. (Graded Only) Effective: 2005 Fall Semester

NSG-62 Medical-Surgical Nursing II (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 54; NSG 55; NSG 56Concurrent enrollment or completion with a C or better in: NSG 60; NSG 63; NSG 66
Transfer Status: Transferable to CSU only.
This course explores concepts and challenges in client management in acute and chronic illness. Topics include perioperative care, fluid and electrolyte balance and disturbances, parenteral therapy, oncology, and diabetes. Focus is on the care of clients with acute and chronic problems, and client education. (Graded Only) Effective: 2017 Fall Semester

NSG-63 Pediatric Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 54; NSG 55; NSG 56Concurrent enrollment or completion with a C or better in: NSG 60; NSG 62; NSG 66
Transfer Status: Transferable to CSU only.
This course prepares the Associate Degree Nursing student to care for clients in the pediatric setting. The focus is on family centered pediatric nursing beginning in the newborn period through the care of the adolescent child. Using the nursing process approach, the course will include normal and high risk newborn and infant care, normal child health care, and acute pediatric care. In addition, content related to the child at risk will be addressed. (This course uses the nursing process to help students continue to develop the analysis and application skills needed to perform as a registered nurse) (Regular Graded) Effective: 2013 Fall Semester

NSG-64 Transition to ADN Nursing I (1.00)
Hours: 17.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
This course assists the LVN in acquiring nursing skills and processes necessary for functioning in the second year of an associate degree-nursing program. The course introduces the philosophy and conceptual framework of the program and the roles of the registered nurse as a care provider. The course content will focus on competencies expected of the graduate ADN, communication and critical thinking skills, legal and ethical role, RN role development, math computations in dimensional analysis format and nursing assessment and documentation. (Graded Only) Effective: 2007 Fall Semester

NSG-65 Transition to ADN Nursing II (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.

This course builds on the knowledge and skills acquired in NSG 64. The course expands the student's understanding of the registered nurse's role as part of the health care team. Course content emphasizes medical/surgical knowledge, competencies and skills essential for successful performance in the second year of the ADN program. Clinical application of the registered nurse's role will be incorporated within the simulation environment. (Application of the nursing process in order to manage complex medical/surgical patients is the core of this course. Critical thinking concepts and practice are utilized throughout.) (Graded Only) Effective: 2009 Spring Semester

NSG-66 Clinical Nursing II (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 54; NSG 55; NSG 56Concurrent enrollment or completion with a C or better in: NSG 60; NSG 62; NSG 63
Transfer Status: Transferable to CSU only.
This course provides directed clinical experiences in acute hospitals and agencies that provide services for maternity, pediatric, perioperative and medical/surgical clients. Through the use of the nursing process, the student will provide care, teaching, support, and rehabilitation to for maternity, pediatric, perioperative and medical/surgical clients. Emphasis will be upon the role of the registered nurse in caring for clients with acute and chronic problems, prevention of complications related to maternity, pediatric, perioperative and medical/surgical clients, and client education. (Pass/No Pass) Effective: 2013 Fall Semester

NSG-67 Complex Medical/Surgical Nursing III (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 61; NSG 68; NSG 69
Transfer Status: Transferable to CSU only.
This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses. Students study common chronic and acute illnesses, adaptation to, and acute episodes of these illnesses in the acute hospital setting. Physical assessment of the adult, normal development and physiology, nutrition, pharmacology, sexuality, cultural factors, and prevention and early detection measures appropriate to the various nursing problems are discussed. Nursing process to promote adaptation is stressed throughout the course. (Graded Only) Effective: 2013 Fall Semester

NSG-68 Clinical Nursing III (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 61; NSG 67; NSG 69
Transfer Status: Transferable to CSU only.
This course provides students with directed clinical experiences in hospitals, community health agencies and agencies that provide services to the acutely ill adult, to the elderly or those having disabilities/chronic conditions. Through the use of the nursing process, the student will provide care, teaching, support, and rehabilitation to individuals who have acute or chronic illness, disabilities, or are elderly in the hospital or in the community. Emphasis will be upon the role of the registered nurse to promote illness prevention, community health, and positive aging and client independence. (Pass/No Pass) Effective: 2012 Spring Semester

NSG-69 Gerontology/Community Based Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 61; NSG 67; NSG 68
Transfer Status: Transferable to CSU only.
This course focuses on the needs of the older adults and the disabled/chronically ill older adult in the community, home health, and dementia care settings. Course content builds on the student's knowledge of the aging process by the study of dynamics, etiology, and treatment of the rapidly growing aging population. Emphasis is placed on assisting client adaptation to normal age-related changes and chronic aging conditions as well as healthy/robust aging practices. Course content includes geriatric nursing, management of chronic illness, and healthy aging. The nursing process is utilized to assist the student in the planning of goal directed care for this client population. (Regular Graded) Effective: 2013 Fall Semester

NSG-74 Associate Degree Nursing Capstone (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 61; NSG 67; NSG 68; NSG 69Concurrent enrollment or completion with a C or better in: NSG 77; NSG 78; NSG 79
Transfer Status: Transferable to CSU only.
This course provides an opportunity for students enrolled in the Associate Degree Nursing (ADN) program to develop skills in leading and managing patient care and prepare for passage of the licensure examination. Content includes presentation of the registered nurse's role in planning, organizing, staffing and directing safe patient-centered care. Professional and social issues in leadership and management will also be discussed. (This is one of the cap stone courses in the nursing program requiring students to utilize all previous nursing program learning in the role of an entry level manager) (Graded Only) Effective: 2013 Fall Semester

NSG-77 Complex Medical/Surgical Nursing IV (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 61; NSG 67; NSG 68; NSG 69Concurrent enrollment or completion with a C or better in: NSG 74; NSG 78; NSG 79
Transfer Status: Transferable to CSU only.
This course covers the nursing care of adult clients with high risk, complex, and critical health care problems and adaptation to these problems. Students will study the nursing process related to the care of patients with multiple system disorders, unstable medical conditions, and critical health care disorders. This course is a continuation of topics addressed in NSG 67 and emphasizes pathophysiology, complex issues in nursing process and professional and advocacy nursing roles. (Graded Only) Effective: 2013 Fall Semester

NSG-78 Clinical Nursing IV (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 61; NSG 67; NSG 68; NSG 69Concurrent enrollment or completion with a C or better in: NSG 74; NSG 77; NSG 79
Transfer Status: Transferable to CSU only.
This course is an exploration of the various preventive and treatment methods used within interdisciplinary settings for persons experiencing various psychosocial/development disorders. Observation and participation in a variety of community mental health settings allows the student to use the theory in supervised practice. In addition, students will utilize the nursing process to generate nursing decisions in providing care in the

hospital setting for adult clients with multiple system disorders, unstable medical conditions, and critical health care disorders. (Pass/No Pass) Effective: 2013 Fall Semester

NSG-79 Mental Health/Psychiatric Nursing (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 61; NSG 67; NSG 68; NSG 69Concurrent enrollment or completion with a C or better in: NSG 74; NSG 77; NSG 78
Transfer Status: Transferable to CSU only.
This course is designed to enable the student to acquire knowledge and skills in the systematic observation of patients with psychopathologic syndromes and developmental disabilities. Students will also increase their general knowledge of the dynamics, etiology, and treatment of psychopathology. Emphasis is placed on further development of the nurse's therapeutic self, and the utilization of the nursing process. This course is specifically directed toward the identification of nursing care goals, approaches, and interventions which are applicable to any patient experiencing psychological distress. (Graded Only) Effective: 2012 Spring Semester

NSG-88 Med/Surg III (30 Unit Option) (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: ; NSG 64Concurrent enrollment or completion with a C or better in: NSG 61; NSG 68; NSG 69
Transfer Status: Transferable to CSU only.
This course is designed for students receiving a 30 Unit option ONLY. The 30 Unit option is a certificate only and will not receive a degree. Approval for taking this course is made with the Nursing Department Chair. This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses. Students study common chronic and acute illnesses, adaptation to, and acute episodes of these illnesses in the acute hospital setting. Physical assessment of the adult, normal development and physiology, nutrition, pharmacology, sexuality, cultural factors, and prevention and early detection measures appropriate to the various nursing problems are discussed. Nursing process to promote adaptation is stressed throughout the course. (Graded Only) Effective: 2018 Fall Semester

NSG-89 Med/Surg IV (30 Unit Option) (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: NSG 61; NSG 68; NSG 69; NSG 88Concurrent enrollment or completion with a C or better in: NSG 74; NSG 78; NSG 79
Transfer Status: Transferable to CSU only.
This course is designed for students receiving a 30 Unit option ONLY. The 30 Unit option is a certificate only and will not receive a degree. Approval for taking this course is made with the Nursing Department Chair. This course covers the nursing care of adult clients with high risk, complex, and critical health care problems and adaptation to these problems is addressed. Students will study the nursing process related to the care of patients with multiple system disorders, unstable medical conditions, and critical health care disorders. This course is a continuation of topics addressed in NSG 88 and emphasizes pathophysiology, complex issues in nursing process and professional and advocacy nursing roles. (Graded Only) Effective: 2018 Fall Semester

NSG-97 Special Problems-NSG (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

NSG-99 Work Experience-NSG (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

NSG-100 CNA Basic Nursing Care, Theory (3.50)
Hours: 66.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 101
Transfer Status: Not transferable
This course covers the Certified Nurse's Aide (CNA) theory of care in long term settings. The major focus is patient care skills, patient care procedures, and how to respond to individuals and occurrences associated with long term care. Additional content in the course presents the role and responsibilities of the certified nursing assistant, basic principles of asepsis, safety, nutrition and rehabilitation. Successful completion of this course and NSG 101 qualifies the student to take the Written and Manual Skills testing for State Certification. (Graded Only) Effective: 2005 Fall Semester

NSG-101 CNA Basic Nursing Care, Clinical (3.00)
Hours: 153.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: NSG 100
Transfer Status: Not transferable
This course provides the necessary laboratory and clinical experience for development of skills and competencies in basic nursing for a Certified Nurse's Aide (CNA). Successful completion provides the required laboratory/clinical experience necessary to qualify for the Written and Manual Skills testing for State Certification. (Pass/No Pass) Effective: 2007 Fall Semester

NSG-102 CNA Acute Care (4.00)
Hours: 51.00 Lecture. 68.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 100; NSG 101 or
Transfer Status: Not transferable
This course provides the Certified Nurse Aide (CNA) the knowledge and skills needed to function in an acute care setting. Topics include Scope of Practice guidelines, effective communication, and proper procedures for care of patients with a variety of conditions in the acute care setting. Students will learn about common acute and chronic conditions that require hospitalization and surgical procedures that patients undergo in the acute care setting. (Critical thinking is required in any health care field. The course teaches critical thinking through practice in the skills lab and in the hospital setting. Students must analyze and formulate plans of care for their patients based on their assessment.) (Graded Only) Effective: 2014 Fall Semester

NSG-103 Home Health Aide for the CNA (1.50)
Hours: 22.00 Lecture. 22.00 Laboratory.
Requisite(s): Completion with a C or better in: NSG 100; NSG 101 or
Transfer Status: Not transferable
This course provides the theory and laboratory experiences required for state-Certified Nursing Assistants to become eligible for Home Health Aide certification. Content includes: orientation to home health care, personal care of clients including medical and social needs; nutrition, safety and cleanliness in the home. (Graded Only) Effective: 2007 Fall Semester

OLS-Occupational and Life Skills

OLS-323 Occupational and Academic Assessment (0.00)
Hours: 80.00 Laboratory.
Transfer Status: Not transferable
The focus of this course is to assess individual abilities, determine avenues of interest, identify vocational and academic goals, validate academic skill levels, and establish a student vocational contract. Topics include vocational aptitude, learning styles, decision making, and personal values. (Students will be taking assessments that will require critical thinking skills for the purpose of problem solving and selecting best responses.) (Satisfactory/ Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-324 Workplace Communication (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
This course provides training for students in the areas of workplace culture and environment. Topics include interpersonal skills development, professional conduct, workplace communication, safety, and problem-solving job readiness skills. (Students will be required to analyze and problem solve issues which can occur in a workplace setting.) (Satisfactory/ Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-325 Literacy for Career Building (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
Vocational and academic language skills development for students seeking employment. Strategies for pre-writing, organization of text, and comprehension skills are emphasized to prepare job applications, cover letters, resumes, and business specific literature. (Students will implement comprehension strategies to decipher printed business generated materials.) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-326 Mathematics within Industry (0.00)
Hours: 85.00 Laboratory.
Transfer Status: Not transferable
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, and estimating dollar amounts and volume of materials needed to complete a task. (Computing taxes, calculating sales, and determining measurements are some of the critical thinking activities involved in this course.) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-327 Career Exploration (0.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: OLS 325; OLS 326
Transfer Status: Not transferable
In this course students develop career exploration skills that will help them select an occupational training experience in OLS 329. Emphasis is placed on one of the occupational certifications in carpentry, customer service, food service, greenhouse operations, hospitality, irrigation, retail sales, small engine repair, and warehousing. Activities include career planning, accessing computerized information systems for job searches, career decision making, and goal setting. Career and labor market resources and job information are presented. (Students compare job possibilities and analyze job offerings for desired employment.) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-328 Strategies for Employment (0.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: OLS 325; OLS 326
Transfer Status: Not transferable
This course introduces students to a variety of strategies to help them to be more successful in the workplace. These strategies include, but are not limited to, preparation for interviews and follow up, time management, task organization, job search, development of job leads, and memorization. (Students will use critical-thinking skills to answer interview questions, make an plan to organize tasks and time to meet the challenges of having a job, and develop strategies to ferret out job leads.) (Satisfactory/ Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-329 Occupational Certification Workshop (0.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: OLS 327; OLS 328
Transfer Status: Not transferable
This course provides certification in an area of study selected by the student for the purpose of preparing to obtain employment in one of the following topic areas: customer service, food service, greenhouse and nursery operations, hospitality, irrigation, retail sales, small engine repair, and warehousing. (Students will encounter real-life workplace situations where they will implement intuition, critical thinking, and basic skills learned to avoid accidents and inappropriate responses.) (Satisfactory/ Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-330 Experiential Vocational Training (0.00)
Hours: 100.00 Laboratory.
Requisite(s): Completion with a C or better in: OLS 324; OLS 329
Transfer Status: Not transferable
In this course students apply the life skills learned in the Occupational and Life Skills program and the occupation specific skills learned in OLS 329, in either a paid or non-paid position within a for profit or nonprofit business. Students are required to work 100 hours in a paid or non-paid position to fulfill the requirements for the Occupational and Life Skills Certificate. (Students will apply critical thinking and analysis skills in real-world employment environments. For example some of the areas addressed may include safety, coworker relations, workplace communication, and professional conduct.) (Satisfactory/ Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-340 Analyzing Communication for Vocational Advantage (0.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable

The course provides training in recognizing and understanding communication and the impact it has in the workforce. Students will assess their own styles of communication in the areas of presentation, reading, writing and verbal expression. Topics included: problem solving, barriers in communication and communication in the work environment through reading, writing, dressing and speaking. (Students will implement communication skills across reading, writing, speaking and listening to problem solve the work environment.) (Pass/No Pass) Effective: 2019 Fall Semester

OLS-341 Analyzing Behavior for Vocational Advantage (0.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
The course provides training in recognizing and understanding behaviors that impact the workforce. Topics included: assessing one's working style, personality style and the impact in the workplace, recognize behaviors that impact a working environment, professionalism and accepting personal responsibility in the work environment. (Students will implement communication skills across reading, writing, speaking and listening to problem solve the work environment.) (Pass/No Pass) Effective: 2019 Fall Semester

OLS-350 Product Assembly/Light Manufacturing (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
This course is designed to support the educational needs of those seeking employment in the light manufacturing/product assembly industry. Topics include light manufacturing tasks such as product assembly, packaging, shipping, and the basics of order fulfillment. (Students are required to operate equipment while being cognizant of safety procedures. They will compile 18+ pages of material in a rational order.) (Satisfactory/Unsatisfactory Only) Effective: 2017 Spring Semester

OLS-351 Industrial Woodworking (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
In a wood shop environment, students with disabilities will learn to use a variety of power and hand tools associated with the trade. The focus of the course includes the following areas of study: quality assurance, type and amount of project materials needed, and wood product construction and finishing techniques. (Students construct projects and requested customer orders from wood. Critical thinking and analysis are required to operate the equipment and construct the projects.) (Satisfactory/Unsatisfactory Only) Effective: 2017 Spring Semester

OLS-352 Janitorial Services (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
This course provides training in cleaning services for those seeking employment in the janitorial industry. Organization of tasks, proper techniques, equipment and eco-friendly cleaning solutions are emphasized. (This course requires analysis of situations for safety in decision making. Students synthesize information regarding hazardous solutions to make the distinction with eco-friendly solutions.) (Satisfactory/Unsatisfactory Only) Effective: 2016 Fall Semester

OLS-353 Landscaping Services (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
This course trains students in the basic procedures and techniques of landscaping. Topics include lawn and yard care techniques, equipment maintenance, safety, good work habits, customer service skills, and landscape installation. (Students will have to analyze each customer's situation to decide the right type of services needed. They will use critical thinking skills to make repairs and complete required job tasks.) (Satisfactory/Unsatisfactory Only) Effective: 2017 Spring Semester

OLS-354 Commercial Sewing (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
This course prepares students for employment in the industrial sewing business. Instruction consists of the basics of sewing and more intricate procedures such as piping, applying bias tape, adding button holes, and inserting elastic. Students will work with various types of machines used within the industry. (Students will use judgement on types and legths of stitches needed to make a quality project. They will analyze and interpret patterns for project completion.) (Satisfactory/Unsatisfactory Only) Effective: 2015 Fall Semester

OLS-355 Recycling Services (0.00)
Hours: 510.00 Laboratory.
Transfer Status: Not transferable
This course prepares students for employment in the recycling industry. Basic procedures for processing recyclable materials are emphasized. Topics include safety, learning to operate the horizontal and vertical balers, glass crusher, pallet jack, barrel dolly, and computerized weighing scales. (Students have to use safety measures when operating the equipment. They also need to identify recyclables correctly.) (Satisfactory/Unsatisfactory Only) Effective: 2017 Spring Semester

PHIL-Philosophy

PHIL-2 Introduction to Philosophy (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the nature of philosophical thought and skills. Issues that traditionally have been of central importance in philosophical inquiry will be emphasized. These include the nature and limits of knowledge, reality, and values. (C-ID PHIL 100) (Regular Graded) Effective: 2017 Spring Semester

PHIL-4 Introduction to Ethics and the Good Life (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines the concept of morality and values, representative ethical theories, and may include their applications to moral problems. A philosophical analysis of classical and contemporary ethical theory, definitions of morality and value, and an application of these theories to contemporary moral issues. (Ability to think clearly and logically, to find information and examine it critically, to communicate orally and in writing, and to reason quantitatively.) (Regular Graded) Effective: 2021 Fall Semester

PHIL-5 Environmental Ethics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introductory course on theories of environmental ethics and how they are applied to sustainability and environmental issues. Both traditional and contemporary, Western and non-Western

theories are studied to learn various outlooks on how humans should live in nature, including how we relate to the environment, the future generations and other species. The ideas and principles are then used to find solutions to the challenges we face today such as resource depletion, pollution, climate change and species extinction. (Critical thinking is required and utilized to 1. analyze and compare the differences among various theories of environmental ethics; 2. evaluate arguments for and against various theories; 3. gather and organize information to assess the current conditions of environmental issues; 4. synthesize various theories form a more comprehensive and cohesive outlook of how humans live in nature; 5. apply the outlook to pioneer and guide the development of green technologies.) (Regular Graded) Effective: 2015 Fall Semester

PHIL-6 Intro To Logic & Critical Thinking (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
A study of traditional logic with both deductive and inductive reasoning, including syllogisms, natural deduction, and fallacies. Practical application of basic skills in orderly and accurate reasoning and communication. (C-ID PHIL 110) (Regular Graded) Effective: 2021 Fall Semester

PHIL-8 Methods of Argument (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: ENGL 2 or ENGL 3
Transfer Status: Transferable to both UC and CSU.
This course is a study of argumentative writing, including traditional topics in logic. The course will emphasize the application of argumentative methods and models to the analysis of contemporary moral, political, economic, and philosophical issues. Effective: 2015 Fall Semester

PHIL-10 History of Ancient Philosophy (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course addresses ancient philosophy with emphasis on the development of Greek philosophy from the Pre-Socratics through Aristotle and may also include Hellenistic, Roman, medieval or non-western thinkers. (Students read foundational works in ancient Greek philosophy, which established the Western philosophical tradition in the use of critical thinking.) (Regular Graded) Effective: 2021 Fall Semester

PHIL-16 Western Religions (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a study of the origins and development of three Western religious traditions: Judaism, Christianity, and Islam. This course explores ways to study, interpret, and understand the beliefs and practices of these traditions, as well as their changes through history, and the relationship between religion and culture. (Regular Graded) Effective: 2013 Spring Semester

PHIL-18 Eastern Religions (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to religious traditions of the East, including Hinduism, Buddhism, Confucianism, and Daoism, with an emphasis on philosophical perspectives expressed in historical and cultural development. (Regular Graded) Effective: 2017 Spring Semester

PHIL-95 Special Studies-PHIL (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

PHO-Photography

PHO-1 History of Photography (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course focuses on the history of photography from its origins to current day. Students will learn about the primary artistic and stylistic movements and historical trends in photography as well as gain an understanding of key photographic technical terms. Students will also learn about the unique visual language of photographs and how to evaluate the aesthetics of photographic images. (Students will be asked to learn specific techniques, strategies and vocabulary to observe, dissect and analyze a wide variety of historical and contemporary photographs. Students will also be required to prepare oral critiques and analyses of the social and cultural importance of selected images. These assignments will help students develop their ability to think and communicate in a clear, concise and logical manner at a level commensurate with college level requirements.) (Regular Graded) Effective: 2020 Fall Semester

PHO-2 Introduction to Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to the processes, principles, and tools of photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography. (Regular Graded) Effective: 2020 Fall Semester

PHO-4 Beginning Digital Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
An introductory digital course presenting the origins and history of photography, camera and lens use, exposure, metering, printing procedures, print presentations, composition and standards of quality. Emphasis is placed on print quality along with content, composition and personal expression. (Regular Graded) Effective: 2020 Fall Semester

PHO-6 Intermediate Black and White Darkroom Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 2
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the formation, construction, and presentation of gallery-ready black and white photographs. Students will make professional quality prints while they perfect their own personal style and expression. Students will use film to learn the Zone System, basic sensitometry, advanced printing techniques, and archival preservation techniques. Students will also develop advanced proficiency in the use of digital cameras, scanners and inkjet printers to produce black and white prints.

Students will also study historical and contemporary photographic trends. (Regular Graded) Effective: 2020 Fall Semester

PHO-7 Stock Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 2
Transfer Status: Transferable to CSU only.
This course is an introduction to stock photography. Students will learn the basics of creating and editing stock photography using studio lighting equipment, outdoor photography techniques and digital editing software to produce commercial ready stock photographs. Students will work with models, props and locations in the production of stock photos. Students will crop, edit, and digitally enhance photographs for stock photography. (This course requires students to utilize critical thinking. Analysis – Students will plan and create marketable images. Synthesis – Students will coordinate technical and design skills with conceptual intent to successfully create a saleable stock photograph. Evaluate – Students will learn to evaluate the success of their efforts based on common professional standards to improve the quality of their work and improve the chances of career success.) (Regular Graded) Effective: 2013 Fall Semester

PHO-8 Commercial & Studio Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 4
Transfer Status: Transferable to CSU only.
This course introduces students to the basic aspects of commercial photography, including planning, production, and editing of images for a variety of applications including industrial, medical, technical, product display, architectural, portrait, food and fashion modeling. Students will also learn to use digital cameras and studio lighting systems to produce commercial quality photographs. Students will learn the basics of creating and editing images using studio lighting equipment, outdoor photography techniques and digital editing software to produce commercially ready photographs. Students will work with models, props and locations in the production of images. (Regular Graded) Effective: 2020 Fall Semester

PHO-11 Alternative Photographic Processes (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 2
Transfer Status: Transferable to CSU only.
This course introduces students to the fundamentals of non-silver alternative photographic processes with emphasis on technical skills, aesthetic values, and critique of photographic work. Students will learn skills related to safe chemistry usage, scanning, Photoshop manipulation of digital negatives, paper coating and contact printing techniques. Historical and contemporary trends in non-silver alternative photography will also be discussed. (This course require students to utilize critical thinking: Analysis – acquire imagery through the use of camera and digital equipment. Synthesis - coordinate technical skills with conceptual intent to successfully execute an alternative photograph and evaluate the success of the process.) (Regular Graded) Effective: 2020 Fall Semester

PHO-14 Introduction to Photographic Portfolios and Books (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 4
Transfer Status: Transferable to CSU only.
This course introduces students to the production of professional portfolios, hand bound books and digital online publications. A broad practical and contextual introduction to book design will be covered as well as advanced digital imaging techniques. Students will also learn to plan, develop and implement photographic projects with particular emphasis on conceptual thinking and the development of individual style. (thinking (analysis – prepare past and newly created photography for assigned projects, synthesis coordinate technical skills with creative and professional overtures to successfully produce a portfolio and book of photography, evaluate the success of the final projects from PHO 14.)) (Regular Graded) Effective: 2020 Fall Semester

PHO-15 Intermediate Digital Photography (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHO 4
Transfer Status: Transferable to CSU only.
This course provides continued exploration in the advanced theories, vocabularies and techniques of digital photography. Emphasis will be on current issues in photography, portfolio development and advanced image editing and manipulation. Students will learn the basic theories of illumination and the utilization of a variety of light sources. Students will learn to manipulate color and black-and-white images, layers, special effects, photo restoration/colorizing, and filters to prepare images for print and web distribution. (The class requires that student be able to think critically about their photographs to determine which best meet the assignment goals and to be able to analyze the characteristics of each image to determine what changes need to be made, if any.) (Regular Graded) Effective: 2020 Fall Semester

PHO-20 Photoshop for Photographers (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to Adobe Photoshop for digital photograph editing, color correction, and formatting. Students will learn to manipulate color and black-and-white images, layers, special effects, photo restoration/colorizing, and filters to prepare images for print and web distribution. (This course requires students to learn how to use Adobe Photoshop. The process requires students to analyze images and develop problem solving strategies to achieve the desired visual results.) (Regular Graded) Effective: 2015 Fall Semester

PHO-95 Special Studies-PHO (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

PHO-99 Work Experience-PHO (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

PHYS-Physics

PHYS-10 Concepts of Physics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course explores physics from a conceptual rather than a mathematical approach. Topics include Newton's Laws of Motion, energy and momentum, heat and thermodynamics, electricity and magnetism, light and optics, and atomic and nuclear physics. Not intended for students who have completed high school physics or PHYS 21 or 41. (Regular Graded) Effective: 2017 Spring Semester

PHYS-11 Concepts of Physics Laboratory (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 10
Transfer Status: Transferable to both UC and CSU.
This course is designed to accompany the lecture topics taught in Physics 10. Experiments performed will cover the areas of motion, sound, electricity and magnetism, and light. Not recommended for physics majors. (Regular Graded) Effective: 2007 Fall Semester

PHYS-21 College Physics I (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 20
Transfer Status: Transferable to both UC and CSU.
This course is intended for students not majoring in physics or engineering but needing a one-year course in physics as a requirement for their major program. The course is part of a two-semester sequence whose contents may be offered in other sequences or combinations at articulated institutions. Topics include kinematics, dynamics, work and energy, momentum, fluids and simple harmonic motion. (C-ID PHYS 105). (Graded Only) Effective: 2007 Fall Semester

PHYS-22 College Physics II (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 21
Transfer Status: Transferable to both UC and CSU.
This course is intended for students not majoring in physics or engineering but needing a one-year course in physics as a requirement for their major program. The course is the second part of a two-semester sequence beginning with PHYS 21. Core topics include: electrostatics, magnetism, DC circuits, optics and modern physics. (C-ID PHYS 110). (Graded Only) Effective: 2007 Fall Semester

PHYS-41 Physics for Scientists and Engineers I (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 30
Transfer Status: Transferable to both UC and CSU.
This course, intended for students majoring in physical sciences and engineering, is part of a three-semester course whose contents may be offered in other sequences or combinations. Core topics include an introduction to kinematics, dynamics, work and energy, momentum, gravitation and simple harmonic motion. It is highly recommended that students also enroll in PHYS 51. (C-ID PHYS 205). (Graded Only) Effective: 2009 Fall Semester

PHYS-42 Physics for Scientists and Engineers II (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 41; MATH 31
Transfer Status: Transferable to both UC and CSU.
This course, intended for students majoring in physical sciences and engineering, is part of a three-semester course whose contents may be offered in other sequences or combinations. Core topics include electrostatics, magnetism, DC and AC circuits, and Maxwell's equations. It is highly recommended that students also enroll in PHYS 52. (C-ID PHYS 210). (Graded Only) Effective: 2013 Fall Semester

PHYS-43 Physics for Scientists and Engineers III (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PHYS 41; MATH 31
Transfer Status: Transferable to both UC and CSU.
This course, intended for students majoring in physical sciences and engineering, is part of a three-semester course whose contents may be offered in other sequences or combinations. Core topics include optics and modern physics. (C-ID PHYS 43). (Graded Only) Effective: 2009 Fall Semester

PHYS-51 Problem Solving Strategies for PHYS 41 (0.50)
Hours: 34.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: PHYS 41
Transfer Status: Transferable to CSU only.
This course is an activity based supplement to PHYS 41 and is intended to enhance the students problem solving skills in the areas of vectors, statics, kinematics, dynamics, momentum, energy, rotational motion, oscillatory motion, and fluid mechanics. (Pass/No Pass) Effective: 2001 Fall Semester

PHYS-52 Problem Solving Strategies for PHYS 42 (0.50)
Hours: 34.00 Laboratory.
Requisite(s): Concurrent enrollment or completion with a C or better in: PHYS 42
Transfer Status: Transferable to CSU only.
This course is an activity base supplement to PHYS 42 and is intended to enhance the students' problem solving skills in the areas of electric fields and potential, electric currents, electric circuits, induced currents, magnetic fields, dielectrics, alternating currents, and electromagnetic waves. (Pass/No Pass) Effective: 2001 Fall Semester

PHYS-95 Special Studies-PHYS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

POS-Political Science

POS-2 United States Government (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.

An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. POS 2 partially satisfies U.S. History, Constitution and American Ideas requirement at the CSU. (C-ID POLS 110). (Regular Graded) Effective: 2013 Spring Semester

POS-3 Comparative Politics (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Comparative analysis of different kinds of political systems, including their history, political institutions, processes and policies, the environments in which they occur, and their consequences. (C-ID POLS 130). (Regular Graded) Effective: 2013 Spring Semester

POS-12 California State and Local Government (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is an introduction to government with emphasis on California State and local governments. Government institutions and political processes are examined in the context of the state's diverse population and culture. Additionally, the course covers the historical development of federal, state and local government relations. Attention is given to local government institutions and the dilemmas they face in carrying out their governing roles. POS 12 partially satisfies U.S. History, Constitution and American Ideas requirement at the CSU. (Regular Graded) Effective: 2013 Spring Semester

POS-16 Vital Political Problems (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introduction to political science designed to familiarize students with basic political concepts, political ideologies, political systems, and subfields within political science. (C-ID POLS 150) (Regular Graded) Effective: 2013 Spring Semester

POS-18 International Relations (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues. (C-ID POLS 140). (Regular Graded) Effective: 2013 Spring Semester

POS-92 Exploring Leadership (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is designed to introduce students to the fundamental elements of leadership. Students will explore leadership theories and models as well as their own values and beliefs to develop a personal philosophy of leadership that includes an understanding of self, others and community. Students will learn how to apply theory into practice as they prepare for leadership roles in college and community settings. (Regular Graded) Effective: 2015 Fall Semester

POS-95 Special Studies-POS (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

POS-99 Work Experience-POS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

PSC-Physical Science

PSC-10 Introduction to Environmental Science (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
Introduction to Environmental Science introduces students to the scientific principles and problem solving techniques used to evaluate the effects of human activities on different ecosystems. Topics include the sustainability and stewardship of natural ecosystems, use of natural resources, environmental hazards such as air and water pollution, solid waste disposal, soils and food production, the atmosphere and climate change, as well as population and urbanization. Basic chemistry, physics and biology will be introduced throughout the course to explain and expand on these topics. The concepts will be reinforced with an integrated laboratory program. (Regular Graded) Effective: 2015 Spring Semester

PSC-11 Earth Science with Lab (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
An introduction to the essentials of Earth Science with a laboratory. Topics include the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. (C-ID GEOL 121). (By application of scientific method to the physical universe.) (Regular Graded) Effective: 2015 Fall Semester

PSC-12 Concepts in Physical Science (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: MATH 108 or MATH 116 or
Transfer Status: Transferable to both UC and CSU.
This course is an investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. This course is intended for non-

science majors. (C-ID PHYS 140). (Regular Graded) Effective: 2005 Fall Semester

PSC-20 Introductory Physical Science (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Introductory Physical Science introduces students to the earth and physical sciences and includes introductory sections on physics, earth and atmospheric science and space science. This course is meant to give students a broad but basic understanding of the concepts, terminology, and methods of study of the physical environment. (Regular Graded) Effective: 2009 Fall Semester

PSC-21 Introductory Physical Science Laboratory (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PSC 20
Transfer Status: Transferable to both UC and CSU.
This course will introduce students to the measurements, techniques, and terminology used to describe the physical environment. Topics include experiments and activities on the scientific method, Newton's laws of motion, energy, light and sound. Scientific methods will also be used to study earthquakes, geologic time, common rocks, and Earth's atmosphere. This course will supplement material presented in the Physical Science lecture course. (Regular Graded) Effective: 2010 Spring Semester

PSC-27 Survey of the Universe (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a survey of our current understanding of the physical Universe. Consideration will range in length scales from the sub-atomic to large clusters of galaxies as well as time scales from the earliest universe through today and into the future. Broad topics will include a foundational example of how we construct knowledge of places we cannot currently visit (the cosmic distance ladder), what stars are and how they evolve, the evolution and current structure of our solar system, current thinking on the probability of extraterrestrial life and models for the evolution of matter in the universe and its ultimate fate. Along the way students will explore cosmic phenomena such as neutron stars, black holes, supernovae, dark matter and the mysterious dark energy. (Parsing out multiple length and time scales is an intellectually challenging exercise for everyone. The cosmic distance ladder alone would occupy a college student.) (Regular Graded) Effective: 2018 Fall Semester

PSC-30 Introductory Astronomy (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This course is a study of our dynamic universe. Topics include the history of astronomy, the science of observation and discovery, stellar birth, maturation and death, planetary formation, a description of our solar system galaxies, quasars and cosmology. (Regular Graded) Effective: 2007 Fall Semester

PSC-30H Honors Introductory Astronomy (4.00)
Hours: 51.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to both UC and CSU.
This is an Honors level course in the study of our dynamic universe. Through a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, students will establish connections between the principle-based methods of the hard sciences and our understanding of the fundamental questions of the cosmos and our place in it. Issues covered include the history of astronomy, the science of observation and discovery, stellar birth, maturation and death, planetary formation, a description of our solar system galaxies, quasars, and cosmology. (By application of scientific method to the physical universe.) (Graded Only) Effective: 2015 Fall Semester

PSC-50 Introduction to Weather (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to modern meteorology. Topics include air circulation, pressure and wind, temperature, moisture, fronts, storm systems, cloud types and air stability. The course will also include an introduction to interpreting weather maps, synoptic weather forecasting, and climate change. Math will be used at times during this course but emphasis will be on a conceptual understanding of basic meteorology. It is highly recommended that students also enroll in PSC 51. (Regular Graded) Effective: 2015 Spring Semester

PSC-51 Weather Lab (1.00)
Hours: 51.00 Laboratory.
Requisite(s): Completion with a C or better in: PSC 50
Transfer Status: Transferable to both UC and CSU.
This course will emphasize the practical concepts of physical science and weather using demonstration and experimentation. Topics include the scientific method, Newton's laws of motion, heat and energy transfer, the gas law, and fluid dynamics. Other experiments will demonstrate weather observation techniques, collection and analysis of atmospheric data, weather map study, cloud identification, interpretation of satellite imagery, and basic forecasting skills. This course includes a field trip to a local forecasting facility. (Regular Graded) Effective: 2015 Spring Semester

PSC-53 Natural Disasters and Hazards (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an introduction to the hazards created by the earth's natural and physical processes and covers a broad scientific understanding of earthquakes, volcanoes, hurricanes, tsunamis, tornados, flooding, wildfires and other disasters. Other topics will include threats from the earth's changing climate and potential impacts from asteroids and comets. Atmospheric and geological processes that create these catastrophes will also be discussed. The concept of science and the scientific method will be introduced and applied to the course material. (To understand the topics discussed in this course, students will need to utilize critical thinking. Many of the topics discussed are related to earth's large scale physical processes so a conceptual understanding of multi-scale features of the earth system is required. Understanding of the dynamical function of the earth's atmosphere and surface will force students to think at a college level.) (Regular Graded) Effective: 2015 Spring Semester

PSC-95 Special Studies-PSC (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

PSY-Psychology

PSY-1 Principles of Psychology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an introduction to the principles of psychology by surveying the basic theories, concepts and research in the science of human behavior and cognitive processes. Topics include the science of psychology, the biological bases of behavior, ethics, sensation and perception, learning and memory, development, cognition, motivation and emotion, sexuality and gender, stress and health, personality, social psychology, psychological disorders and therapies, and applied psychology. (C-ID PSY 110). (Regular Graded) Effective: 2015 Spring Semester

PSY-1H Honors Principles of Psychology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an Honors level introduction to the principles of psychology. Study includes analysis of core theories and research in the science of human behavior. As an Honors course primary ethnographic sources, classic works and contemporary research are used alongside traditional sources. Units of study include scientific research methods, biological bases of behavior, ethics, sensation and perception, learning and memory, development, cognition, motivation and emotion, sexuality and gender, stress and health, personality, social psychology, psychological disorders and therapies, and applied psychology. (Students will read and critically analyze research and theory from original sources and apply to individual and social problems through seminar discussion, essays and reflective writings) (Graded Only) Effective: 2019 Fall Semester

PSY-3 Introduction to Biological Psychology (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: PSY 1
Transfer Status: Transferable to both UC and CSU.
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. (C-ID PSY 150). (This course will use several case studies as homework and in-class group work that will require students to analyze the case, distinguish the salient facts and apply their developing knowledge to solve problems, create plans of action and describe how they came to their conclusions.) (Regular Graded) Effective: 2016 Spring Semester

PSY-6 Abnormal Psychology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced. (C-ID PSY 120). (Analyze and Identify theoretical perspectives per disorder.) (Regular Graded) Effective: 2015 Fall Semester

PSY-7 Introduction to Research Methods in Psychology (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: PSY 1; MATH 18
Transfer Status: Transferable to both UC and CSU.
This course surveys various research methods with an emphasis on research design, experimental procedures, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be illustrated through a selected review of research in neurophysiology, sensation, perception, learning and/or memory. (C-ID PSY 200). (In this course students will be comparing and contrasting the various research methods and enumerating their appropriate use. They will be learning how to identify quality information in the social sciences. They will be evaluating published research for quality of design (operational definitions, random sampling, etc) and for the validity and generalizability of conclusions (correlation is not causation).) (Regular Graded) Effective: 2015 Spring Semester

PSY-10 Peace and Global Studies Capstone (1.00)
Hours: 17.00 Lecture.
Transfer Status: Transferable to CSU only.
This capstone course should be taken in the last semester when completing requirements for either Certificate of Achievement or Certificate in Peace and Global Studies. This course offers a venue for an interdisciplinary discussion on global issues and personal responsibility. Students will have the opportunity to synthesize ideas from each of the disciplines defined by the Peace and Global Certificates and how these courses interconnect. From this perspective one may become a more effective global citizen and assist in the advancement of personal, social, global and environmental recovery and transformation. (Regular Graded) Effective: 2011 Fall Semester

PSY-11 Peace Psychology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines the social-psychological themes, theories, causes, and practices of violence and peace in relationship to self, others and the natural world. We will address how one comes to tolerate and rationalize violence as the means for resolving complex social and environmental problems. Students will explore the threats to peace from a psychological foundation and examine how peacemaking and peace building promotes understanding, empathy, and compassion for personal, social, global, and environmental justice. (Regular Graded) Effective: 2011 Fall Semester

PSY-15 Lifespan Psychology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course provides an overview, from a psychological perspective, of human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined, as well as attention to developmental problems.(C-ID PSY 180). (Read and Analyze professional and research based literature at transfer level.) (Regular Graded) Effective: 2015 Spring Semester

PSY-16 Psychology of Women (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
The course surveys the psychological, biological, cultural and social factors influencing the lives of women and explores theories and implications of gender. The course is designed to promote critical and creative thinking with an emphasis on social and personal assessment and integration of content. (Regular Graded) Effective: 2011 Spring Semester

PSY-20 Personal and Social Growth and Wellness (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is designed with an applied focus on how psychology is used in everyday life and is related to the other social sciences. Emphasis is placed on exploring ideas of the Self in relationship with others, society and the world. Students are provided with life long skills to enhance their motivation toward continued self exploration and to maintain a healthy mental/intellectual, physical, emotional, spiritual, and social life. (Regular Graded) Effective: 2007 Fall Semester

PSY-24 Psychology of Sleep, Dreams and Archetypes (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course examines the research, discoveries and theories concerning the sleep cycle, sleep disorders and their treatment, the content and meaning of dreams and altered states of consciousness and cross cultural views of dreams, myths and archetypes. (Regular Graded) Effective: 2007 Fall Semester

PSY-34 Eastern Psychology: Traditions and Practices (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to Eastern Psychology. The theories of Eastern Psychology are practiced and reinforced through the Yoga Sutras. This foundation highlights self analysis through hatha yoga postures (asana), breathing techniques (pranayama), mental concentration (dhyana), sense withdrawal (pratyahara), and meditation (dharana). This course is experiential and is designed for self-enhancement, relaxation, stress management, and increased mindfulness. (Students study Yoga Sutras the science of the mind. Self analysis is required to examine their view of self, others, the world.) (Regular Graded) Effective: 2012 Fall Semester

PSY-36 Psychology of Meditation and Mindfulness (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course is an introduction to the psychological principles of mindfulness through meditation. Students will explore the psychology of meditation, including major theories and forms of meditation from ancient Eastern traditions and practices to contemporary Western research on the benefits of meditation. Emphasis will be on ego-fixation and identification with the root causes of human suffering. Internal and external stresses will be examined. (Students will be engaged in research on mindfulness and meditation. They will engage in practices involving meditation and mindfulness.) (Regular Graded) Effective: 2012 Fall Semester

PSY-41 Socio-Cultural Context of Psychological Development (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course examines psychological developmental theories emphasizing social and cultural influences on motivation, social-emotional and intellectual development. Exploration will emphasize how children are socialized from within the family, school, peer-groups, religious groups, media and communities. Psychological dynamics of power and sexual orientation are examined and how these influence individuals across lower socioeconomic environments and underrepresented groups as well as American Indian, Asian, Latin, Middle Eastern and Black cultures. (There will be class discussions, exams, and assignments that requires the students to apply their textbook readings.) (Regular Graded) Effective: 2011 Fall Semester

PSY-95 Special Studies-PSY (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

PSY-99 Work Experience-PSY (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

READ-Reading

READ-2 Speed Reading (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course will improve a student's critical reading, reading rate and reading flexibility. Emphasis is on adjusting the level of comprehension and reading rate to suit the student's purpose, the complexity of the material, and the student's skills and background. The student will have the opportunity to develop a variety of techniques for reading print and digital texts, including newspapers, magazines, expository essays, scholarly articles, media, novels and textbooks. They will also learn strategies to interpret and evaluate both non-fiction and fiction. (Students learn and apply a variety of critical thinking strategies using several different formats--essays, fiction, on-line, etc.) (Regular Graded) Effective: 2016 Fall Semester

READ-95 Special Studies-READ (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or

chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

READ-126 College Success Skills (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course is a college success and study skills class in which students will learn and apply necessary strategies for success in all academic courses. These strategies include note-taking, study and test-taking, principles of time management, utilizing campus and online resources, using textbooks effectively, and applying learning styles theory. The course will also introduce students to computer applications that will assist them with college study skills. (NA) (Regular Graded) Effective: 2017 Fall Semester

READ-127 Reading for College Success (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course will prepare students for college reading. Students will develop critical reading and critical thinking skills for success in this and other courses. Students will become more efficient and flexible readers as they choose appropriate strategies for a wide variety of challenging fiction and non-fiction reading materials. Skills and strategies will be developed in the context of course readings. (NA) (Regular Graded) Effective: 2015 Spring Semester

READ-223 Strengthening Reading I (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
This course strengthens and increases the student's reading ability. Emphasis will be placed on reading for meaning, developing background knowledge, and enhancing vocabulary. Study skills and critical thinking strategies will also be developed. (LEAD 223 students are not reading at college level. They are introduced numerous times to critical thinking skills.) (Pass/No Pass) Effective: 2016 Fall Semester

READ-225 Strengthening Reading II (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course will improve the student's reading ability. Emphasis is on developing background knowledge, vocabulary enrichment, comprehension development, critical thinking skills, and study skills. The course includes fiction, non-fiction, and content area readings. (Pass/No Pass) Effective: 2010 Fall Semester

RLS-Real Estate

RLS-20 Real Estate Principles (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This introductory course provides students with an overview of the real estate industry, basic real estate terminology, fundamental economic principles applicable to the real estate industry, and professional and ethical challenges experienced by real estate professionals. The course introduces the fundamental principles of real estate ownership, transfer, financing, evaluation, agency law and contracts. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Real Estate Principles" course prior to taking the Real Estate Salesperson License Exam. This course can also count as one of the three optional courses that students must pass prior to taking the California Real Estate Broker License Exam. (Regular Graded) Effective: 2012 Fall Semester

RLS-25 Real Estate Practices (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course provides students with necessary skills to engage in the day-to-day activities of a licensed real estate salesperson. Students are provided with a practical, legal and ethical foundation regarding social interactions; prospecting and obtaining listings; selling and advertising techniques; negotiating; financing and completing standardized real estate forms. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a "Real Estate Practices" course prior to taking both the Real Estate Salesperson and Broker License Exams. (Regular Graded) Effective: 2013 Fall Semester

RLS-30 Legal Aspects of Real Estate (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course provides students with a working knowledge of California real property laws. Topics include sources of real estate law; classification of property; fixtures and easements; property rights, liens and homesteads; real estate contracts; licensees' duties and responsibilities; property ownership and management; landlord-tenant law; and covenants, conditions and restrictions. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Legal Aspects of Real Estate" course prior to taking the Real Estate Broker License Exam. (Regular Graded) Effective: 2020 Fall Semester

RLS-35 Real Estate Appraisal (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course introduces students to real estate valuation, with an emphasis on residential real estate. The course covers basic real estate appraisal principles, the systematic appraisal process, different approaches to estimating value and factors affecting market value (including the economic environment). In addition, students will learn about the role and responsibilities of the professional appraiser, trends in the appraisal industry and the process of preparing an appraisal report. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Real Estate Appraisal" course prior to taking the Real Estate Broker License Exam. It can also count as the optional course that students must pass prior to taking the California Real Estate Salesperson License Exam. This course also meets the license requirements of the 2008 Appraisal Qualifications Board of the Appraisal Foundation and is required for the appraisal trainee license, residential license, certified residential license and certified general license. (Regular Graded) Effective: 2020 Fall Semester

RLS-40 Real Estate Finance (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.

This course introduces the issues, trends, regulations and procedures relating to real estate financing for all types of real property: residential, multi-family, commercial and special purpose. Topics include types of lenders; lending policies; methods of qualifying for loans; and uses of mortgages, trust deeds, and leases of real property. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Real Estate Finance" course prior to taking the Real Estate Broker License Exam. It can also count as the optional course that students must pass prior to taking the California Real Estate Salesperson License Exam. (Regular Graded) Effective: 2020 Fall Semester

RLS-45 Real Estate Economics (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course provides students with a basic understanding of economic factors that affect residential, commercial, industrial, rural and special purpose real estate. The focus is on financing and government policy; urban development and renewal; regulation of land use; business and real estate cycles and mortgage markets and their impact on real estate and investment opportunities. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Real Estate Economics" course prior to taking the Real Estate Broker License Exam. It can also count as the optional course that students must pass prior to taking the California Real Estate Salesperson License Exam. (Regular Graded) Effective: 2020 Fall Semester

RLS-50 Escrow Procedures (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course provides students with a basic understanding of escrow, the role of taking an escrow and how to prepare and process the escrow documents. The course also covers the Secure and Fair Enforcement (SAFE) Act, signed into law as part of the Housing and Economic Recovery Act (HERA) of 2008, including its impact in the preparation of the Housing and Urban Development HUD-1 real estate settlement statement. This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams. (Regular Graded) Effective: 2020 Fall Semester

RLS-55 Property Management (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
This course provides students with a basic understanding of property management principles and practices. The content focuses on issues relating to management, agency, contracts, and practical issues relating to property rental. Legal issues and government regulations regarding such issues as evictions, discrimination, landlord and tenant rights and rent control are explored. This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams. (Regular Graded) Effective: 2020 Fall Semester

RLS-60 Real Estate Mortgage Brokerage (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RLS 20
Transfer Status: Transferable to CSU only.
The course is an introduction to Mortgage Brokerage: how it works and how mortgage brokers can assist home-buyers in finding the right loan. Topics include the Secure and Fair Enforcement (SAFE) Act (signed into law as part of the Housing and Economic Recovery Act (HERA) of 2008) and the Dodd-Frank Act and their impacts on mortgage lending practices and professionals, including the new professional designation of Mortgage Loan Originator (MLO). This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams. (Students must be able to take a basic set of facts and be able to analyze the details and determine the correct procedure to follow.) (Regular Graded) Effective: 2020 Fall Semester

RLS-99 Work Experience-RLS (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

RT-Respiratory Care

RT-97 Special Problems-RT (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

RT-99 Work Experience-RT (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

RT-110 Fundamentals of Respiratory Care (7.00)
Hours: 102.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: ALH 6; RT 118
Transfer Status: Not transferable

This course is designed to introduce the student to basic atmospheric physics, cardiopulmonary anatomy and physiology, blood gas chemistry, and ventilatory dynamics. The student will be introduced to basic concepts of health and disease with emphasis on cardiopulmonary disorders, fundamentals of problem solving techniques and safe handling of medical gases and equipment. Selected respiratory care and diagnostic equipment, techniques and problems will be introduced in the laboratory. (Graded Only) Effective: 2018 Fall Semester

RT-115 Clinical Preparation for Respiratory Care (0.50)
Hours: 36.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 110; RT 118; ALH 6; ENGL 2 or ENGL 3; CMST 2 or CMST 2H; CMST 4
Transfer Status: Not transferable
This course is an introduction to the basic concepts of clinical respiratory care as practiced in the acute care hospital. Students will become conversant with bedside examination, monitoring, and care of medical/surgical and respiratory disease patients. (Regular Graded) Effective: 2018 Spring Semester

RT-118 Respiratory Care Pharmacology (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: Concurrent enrollment or completion with a C or better in: RT 110
Transfer Status: Not transferable
This course introduces students to fundamental pharmacological concepts and applied pharmacology. Emphasis will be placed on drug action and interaction as well as the practical aspects of routes of administration. (Graded Only) Effective: 2007 Fall Semester

RT-120 Concepts in Respiratory Care (7.00)
Hours: 102.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 115Concurrent enrollment or completion with a C or better in: RT 125
Transfer Status: Not transferable
This course is a survey of cardiorespiratory disease with a focus on the role that the respiratory care practitioner plays in professional and culturally appropriate clinical assessment, diagnosis, and treatment. Cultural awareness, sensitivity and communication will be emphasized. Selected respiratory care techniques, equipment, and procedures will be introduced in the laboratory. (Graded Only) Effective: 2018 Spring Semester

RT-125 Introduction to Clinical Respiratory Care (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 115Concurrent enrollment or completion with a C or better in: RT 120
Transfer Status: Not transferable
This course is an introduction to the basic concepts of clinical respiratory care as practiced in the acute care hospital. Students will become conversant with bedside examination, monitoring, and care of medical/surgical and respiratory disease patients. (Graded Only) Effective: 2018 Spring Semester

RT-135 Fundamentals of Clinical Respiratory Care (3.50)
Hours: 30.00 Lecture. 96.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 120; RT 125
Transfer Status: Not transferable
This course is a supervised clinical respiratory therapy experience in the hospital setting, including the application of theories and therapeutic modalities taught in previous RT classes. Mechanical Ventilation concepts will be introduced in the lecture portion. (Graded Only) Effective: 2006 Fall Semester

RT-140 Fundamentals of Intensive Respiratory Care (6.00)
Hours: 85.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 135Concurrent enrollment or completion with a C or better in: RT 142; RT 145
Transfer Status: Not transferable
This course is a study of the fundamentals of respiratory care in the critical care setting. Emphasis is placed on the critical care environment, advanced patient assessment, monitoring, advanced techniques of airway management and continuous mechanical ventilatory support. (Graded Only) Effective: 2001 Fall Semester

RT-142 Neonatal and Pediatric Respiratory Care (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: RT 135Concurrent enrollment or completion with a C or better in: RT 140; RT 145
Transfer Status: Not transferable
This course is an introduction to respiratory care of the neonatal and pediatric patient. Emphasis is placed upon growth and development, pathophysiology, clinical assessment, treatment, resuscitation and mechanical ventilatory support. (Graded Only) Effective: 2001 Fall Semester

RT-145 Advanced Respiratory Care Procedures (5.00)
Hours: 272.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 135Concurrent enrollment or completion with a C or better in: RT 140; RT 142
Transfer Status: Not transferable
This course is designed to support continued in-hospital development of clinical respiratory care skills with emphasis on the application of scientific principles to the therapeutic environment and life support of the critically ill patient. (Graded Only) Effective: 2006 Fall Semester

RT-155 Respiratory Care Practicum I (2.00)
Hours: 118.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 140; RT 142; RT 145
Transfer Status: Not transferable
This course is designed as a clinical experience to allow the respiratory care student to hone skills learned in previous RT courses while developing new skills in the performance of day-to-day tasks of the staff respiratory care practitioner. Emphasis will be placed on both self assessment and critique of clinical performance by hospital personnel. Offered in Winter Session only. Travel to out-of-area clinical facilities will be required. (Graded Only) Effective: 2006 Fall Semester

RT-160 Respiratory Care Seminar II (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: RT 155Concurrent enrollment or completion with a C or better in: RT 165
Transfer Status: Not transferable
This course is designed to explore the historical, contemporary and technical issues germaine to respiratory care as an allied health profession through lecture/discussion/literary review. Emphasis will be placed on issues relevant to the current practice of respiratory care and credentialing requirements. Preparation for post-graduate credentialing examinations will be included in the course work. (Graded Only) Effective: 2007 Fall Semester

RT-165 Respiratory Care Practicum II (8.00)
Hours: 408.00 Laboratory.
Requisite(s): Completion with a C or better in: RT 155Concurrent enrollment or completion with a C or better in: RT 160
Transfer Status: Not transferable
This course supports the continuing practice and evaluation of skills for advanced respiratory care students in the hospital

setting. Development of skills pertaining to the organization and completion of patient care assignments in both the medical-surgical and critical care environments are emphasized. American Heart Association (AHA) Advanced Cardiac Life Support and Pediatric Advanced Life Support certifications are incorporated in the course, as these are required for employment in Respiratory Care. (Regular Graded) Effective: 2018 Spring Semester

RTVF-Radio, TV, Film

RTVF-12 Mass Media and Society (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Survey of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. (C-ID JOUR 100). (Students will be required to critically review and analyze media content and its impact on social and personal behavior. To do this, students will be required to read and review a broad selection of media content and then to analyze it based on criteria established in class lecture and discussions.) (Regular Graded) Effective: 2020 Spring Semester

RTVF-13 Exploring American Television (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
Students explore new trends in television production and distribution in American TV, potential genres include situation comedy, crime drama, western, legal drama, sci-fi, medical drama and reality TV. Content will be analyzed from a variety of perspectives including social, cultural, political, historical, and economic to explore how television impacts culture and the individual. (Regular Graded) Effective: 2020 Fall Semester

RTVF-14 Introduction to Media Writing (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
Basic introductory course in writing for the film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Includes a writing evaluation component as a significant part of the course requirement. (C-ID FTVE 110) (It requires that they learn how to write for media outlets at a professional level. Students will write a variety of scripts and stories) (Regular Graded) Effective: 2020 Fall Semester

RTVF-15 Introduction to Film (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the influence film has on us an art form and the techniques filmmakers use to make us respond. Students will become familiar with the power of film to influence popular beliefs and attitudes. Students will be able to describe the creative and technical elements artists use to make movies such as scriptwriting, cinematography, editing, music, acting, and art direction. (This course requires that students be able to analyze and compare various styles and approaches in cinema art to determine how well they communicate the film's major themes those themes reflect prevailing social and cultural values.) (Regular Graded) Effective: 2020 Fall Semester

RTVF-30 Audio Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course serves as an introduction to the theory and practice of audio production for radio, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (C-ID FTVE 120) (Regular Graded) Effective: 2020 Fall Semester

RTVF-40 Video Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
The course provides an introduction to the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing on location, post-production, and exhibition/distribution. (C-ID FTVE 130) (Students must plan, prepare, write and produce video programs. This requires that they be able to analysis a location and solve a variety of technical and aesthetic problems to produce a quality product.) (Regular Graded) Effective: 2020 Fall Semester

RTVF-55 TV Studio Production (3.00)
Hours: 34.00 Lecture. 51.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course introduces theory, terminology and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and video recording and real-time video production. (C-ID FTVE 135) (A successful video production demands that students be able to analyze the production plan to ascertain suitability for power, lights, camera placement, staging, etc. Once a plan has been made, students must able to appply their conclusions to the actual production and be able to modify their decisions when changing situations warrant immediate action.) (Regular Graded) Effective: 2020 Fall Semester

RTVF-97 Special Problems-RTVF (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

RTVF-99 Work Experience-RTVF (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn

on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

SOC-Sociology

SOC-2 Principles of Sociology (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the sociological perspective. Students will gain an understanding of the external social forces that guide human action and how the wider society influences individual and collective experiences. The course will cover the basic concepts, theoretical approaches, and research methods of sociology. Topics may include the analysis and explanation of social structure, group dynamics, socialization and the self, social stratification, culture and diversity, social change, human impact on the environment, and global dynamics. (C-ID SOCI 110). (Regular Graded) Effective: 2015 Fall Semester

SOC-4 Modern Social Problems (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
An identification and analysis of contemporary social problems including (1) the role of power and ideology in the definition of social problems, (2) their causes and consequences, (3) evaluations of proposed solutions, and (4) methods of intervention. Topics will vary. (C-ID SOCI 115). (Regular Graded) Effective: 2015 Fall Semester

SOC-5 Our Sustainable Future (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course introduces students to the principles of 'Sustainability' within the global, national, regional, and local contexts. This course will increase students' literacy of the three interconnected 'pillars' of sustainable systems, the ecosystem, human society, and the economy. To develop these literacies, students will begin by investigating the perils that currently effect each system, for example, resource depletion, species extinction, pollution, and global warming in the ecosphere; population growth, social inequality, disease, violence and conflict in human societies; and imperialism, unemployment, consumerism and waste in the global economy. The majority of the course will focus on social institutions and organizations that are re-imagining our common future by rethinking and redesigning how we live. Students will learn of new and innovative uses of renewable resources, production processes, and human capital; alternative forms of energy, transportation, building materials, food production, media, education, and urban planning; and new ways to build coalitions, community, trust, and democratic participation. Case studies will highlight sustainability practices in different parts of the world from a variety of perspectives. (Regular Graded) Effective: 2006 Fall Semester

SOC-8 Introduction to Marriage, Family and Intimate Relationships (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to CSU only.
This course is a sociological analysis of contemporary issues in family life, including historical and recent changes and the socio-cultural and economic forces shaping these changes. Cross-cultural analysis will also be considered. (C-ID SOCI 130). (Regular Graded) Effective: 2015 Fall Semester

SOC-10 Introduction to Crime and Society (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a sociological analysis of crime, criminal behavior, and the criminal justice system. The history and social construction of crime and criminality are examined. The definition of crime and its violations as well as the laws and methods used to control criminal behavior are examined. The measurement of crime and basic theoretical explanations of criminal behavior are included. (C-ID SOCI 160). (This course will require the student to demonstrate an understanding of various personal and property crimes and how they affect society. The student will be expected to compare and contrast the findings from Uniform Crime Statistics with those found within the text.) (Regular Graded) Effective: 2015 Fall Semester

SOC-14 Sociology of Gender (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a sociological analysis of the social construction of masculinity and femininity historically and cross-culturally. It examines the debates on sex and gender. It analyzes the impact of economic and political change on gender expectations and practices. It focuses on macro-analysis of how institutions and culture shape gender and micro-analysis of how individuals are socialized and how they "do" and practice gender. (C-ID SOCI 140). (Regular Graded) Effective: 2015 Fall Semester

SOC-20 Introduction to Race and Ethnicity (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is a sociological analysis of race, ethnicity, prejudice and discrimination. It examines the cultural, political and economic practices and institutions that support or challenge racial and ethnic inequalities, as well as patterns of interaction between various racial and ethnic groups. (C-ID SOCI 150). (This course will require the student to demonstrate an understanding of the cultural, political, economic and historical implications of race and ethnicity in American Society) (Regular Graded) Effective: 2015 Fall Semester

SOC-30 Sociology of Inequality (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This course is an analysis of social stratification and its affect on minority/majority group relations in American society. Emphasis will be on an examination of how the class system ranks categories of people in hierarchies rooted in wealth, income, prestige, power and education. Social inequality that exists nationally and globally are studied though the lens of institutional discrimination and environmental issues. (Regular Graded) Effective: 2015 Fall Semester

SOC-30H Honors Sociology of Inequality (3.00)
Hours: 51.00 Lecture.
Transfer Status: Transferable to both UC and CSU.

This is an Honors level analysis of social stratification and its affect on minority/majority group relations in American society. Emphasis will be on an examination of how the class system ranks categories of people in hierarchies rooted in wealth, income, prestige, power and education. Social inequality that exists nationally and globally are studied through the lens of institutional discrimination and environmental issues (This course will require the student to demonstrate an understanding of various theoretical applications and be able to demonstrate, compare and contrast various statistical instruments.) (Graded Only) Effective: 2018 Fall Semester

SOC-55 Sustainability Studies Seminar (2.00)
Hours: 34.00 Lecture.
Requisite(s): Concurrent enrollment or completion with a C or better in:
Transfer Status: Transferable to CSU only.
Sustainability Studies is a capstone seminar that will provide a forum for Sustainability Studies students to integrate and critically evaluate the various content of the courses within the Sustainability Studies Certificate Program. Emphasis will be placed on evaluating the triple-bottom-line impacts of economic, social and environmental practices and policies at local, regional and global levels. (This capstone seminar requires students to integrate the complex themes discussed in the variety of diverse courses within the Sustainability Studies Certificate Program. This integration requires nothing less than rigorous critical thought and analysis. Students will be called on in a small group setting to synthesize a variety of seemingly diverse issues into a cohesive and unified body of knowledge. Students will then be responsible to critique these knowledge structures from a variety of political, economic, and cultural perspectives.) (Graded Only) Effective: 2009 Fall Semester

SOC-95 Special Studies-SOC (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

SOC-99 Work Experience-SOC (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

SPAN-Spanish

SPAN-1 First Semester Spanish (4.00)
Hours: 68.00 Lecture.
Transfer Status: Transferable to both UC and CSU.
This introductory course teaches beginning language acquisition in a cultural context through listening, speaking, reading and writing. The students will interact with authentic language in cultural context. (C-ID SPAN 100) (Regular Graded) Effective: 2016 Fall Semester

SPAN-2 Second Semester Spanish (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: SPAN 1
Transfer Status: Transferable to both UC and CSU.
This course continues to teach language acquisition in a cultural context through listening, speaking, reading and writing at the second semester level. The students will continue to interact with authentic language within culturally rich contexts. (C-ID 110) (Regular Graded) Effective: 2016 Fall Semester

SPAN-3 Third Semester Spanish (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: SPAN 2
Transfer Status: Transferable to both UC and CSU.
This course teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Content is expanded beyond "survival" needs of the immediate environment in order to express personal meaning and to apply different strategies and techniques to go beyond casual conversation and express opinions, make suggestions on familiar topics, as well as some abstract issues and plans. Students demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. Accuracy becomes quite high for high frequency structures and vocabulary but more complex discourse is still developing and requires a somewhat sympathetic listener or reader. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. This course will primarily be taught in Spanish. Students who have completed at least two, but fewer than three years of high school Spanish (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Fourth Semester Spanish. (C-ID SPAN 200) (Regular Graded) Effective: 2016 Spring Semester

SPAN-4 Fourth Semester Spanish (4.00)
Hours: 68.00 Lecture.
Requisite(s): Completion with a C or better in: SPAN 3
Transfer Status: Transferable to both UC and CSU.
This course continues to expand upon culture and facilitate language acquisition through listening, speaking, reading and writing. Students will interact with more sophisticated authentic language in context. Content continues to expand in order to express more complex ideas in order to express personal meaning and to apply different strategies and techniques to go beyond causal conversation and express opinions, make suggestions on familiar topics, as well as some abstract issues and plans. Students demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. Accuracy becomes quite high for high frequency structures and vocabulary but more complex discourse is still developing and requires a somewhat sympathetic listener or reader. Students will continue to demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. This course will primarily be

taught in Spanish. (C-ID SPAN 210) (Regular Graded) Effective: 2016 Spring Semester

SPAN-14 Hispanic Short Stories (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: SPAN 3
Transfer Status: Transferable to both UC and CSU.
This course is an introduction to Hispanic literature through the short story genre. Students will read, discuss and analyze short stories by Latin American and Spanish authors. Emphasis will also be placed on the oral and written practice of Spanish. This course is taught in Spanish and is intended for students who have completed three semesters of college level Spanish or who are native speakers. (Regular Graded) Effective: 2011 Fall Semester

SPAN-16 Hispanic Film (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: SPAN 3
Transfer Status: Transferable to both UC and CSU.
This course is a delineation and discussion of the central themes of selected films of prominent Hispanic filmmakers. A wide selection of feature length Spanish language films will be viewed and discussed. Hispanic cultures, as displayed in film, will be examined in terms of uniqueness and universality. Emphasis will also be placed on the oral and written practice of Spanish. This course is taught in Spanish and is intended for students who have completed three semesters of college level Spanish or who are native speakers. (Regular Graded) Effective: 2016 Spring Semester

SPAN-95 Special Studies-SPAN (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to both UC and CSU.
Supervised study in researching an area in the student's academic major. Any student interested in registering for a Special Studies course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

SPAN-100 Beginning Conversational Spanish (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course emphasizes the development of basic understanding and speaking skills in Spanish. Minimal emphasis is placed on formal grammar. Multimedia cultural presentations are offered throughout the course. This course is intended for those who wish to develop "survival" Spanish in everyday basic situations. (Regular Graded) Effective: 2016 Spring Semester

SPAN-101 Intermediate Conversational Spanish (3.00)
Hours: 51.00 Lecture.
Transfer Status: Not transferable
This course emphasizes the development of basic/intermediate understanding and speaking skills in Spanish. Minimal emphasis is placed on formal grammar. Multimedia cultural presentations are offered throughout the course. This course is intended for those who wish to continue development of "survival" Spanish in everyday situations. (Regular Graded) Effective: 2009 Fall Semester

SPED-Special Education Training

SPED-100 Special Education Regulations in the Workplace (2.00)
Hours: 34.00 Lecture.
Requisite(s): Concurrent enrollment or completion with a C or better in: SPED 101
Transfer Status: Not transferable
This course prepares students to teach adults with disabilities who are participating in a day or vocational program that serves adults (18 years of age or older). Regulatory topics will include conjoining special education with vocational education, Title 17, person-centered planning, and Individual Service Plans. (Students will analyze the similarities and differences between Special Education and Vocational Special education.) (Regular Graded) Effective: 2018 Fall Semester

SPED-101 Teaching Adults with Disabilities (2.00)
Hours: 34.00 Lecture.
Requisite(s): Concurrent enrollment or completion with a C or better in: SPED 100
Transfer Status: Not transferable
This course provides an overview of challenges that may influence the learning process. Instructional strategies for addressing environmental, medical, intellectual, and physical issues will be presented. The goal of this course is to enhance students' awareness of probable barriers in learning and how the barriers can be lessened or resolved. (Students will be analyzing medications, disabilities, and environmental impacts on learning to gain knowledge about teaching adults with severe to mid disabilities.) (Regular Graded) Effective: 2018 Fall Semester

SPED-102 Teaching Adults with Disabilities Practicum (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: SPED 100; SPED 101
Transfer Status: Not transferable
This course is a practical applications course allowing students to apply skills developed in SPED 100 and SPED 101. Students are required to work in a vocational or day program assisting adults with disabilities in completing agency contracts, learning essential life/work skills, and developing interpersonal skills. (Students will assess individuals to implement instructional strategies to assist the individuals in overcoming barriers to success.) (Regular Graded) Effective: 2018 Fall Semester

WKE-Work Experience

WKE-198 General Work Experience (1.00-6.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Not transferable
General Work Experience (GWE) is an on-the-job educational experience designed to help students develop the skills and knowledge necessary to enhance success in present and future employment. The job need not be related to the student's educational program. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-360 hours unpaid) or seventy-five hours of paid

work experience (75-450 hours paid). (Pass/No Pass) Effective: 2009 Fall Semester

WLD-Welding

WLD-20 Beginning Welding (4.00)
Hours: 17.00 Lecture. 153.00 Laboratory.
Transfer Status: Transferable to CSU only.
This course includes oxyacetylene welding (OAW), oxyacetylene cutting (OFC-A) and shielded metal arc welding (SMAW) processes, in the flat and horizontal positions on various joint details. It will also include safety procedures, electrode identification, joint fit-up and alignment, base metal preparation, weld quality, beads and fillet welds, with focus on theory and practice. All welds will meet the American Welding Society (AWS) qualification standards. (Regular Graded) Effective: 2011 Spring Semester

WLD-21 Intermediate Welding (4.00)
Hours: 17.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 20
Transfer Status: Transferable to CSU only.
In this course students will perform welds in positions other than flat and horizontal. The content will enhance the ability of the students to perform welds out of position. The course includes welding safety, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), plasma arc cutting (PAC), air carbon arc cutting and gouging (CAC-A) welding and cutting processes. These welds will be performed in the flat, horizontal, vertical, and overhead positions. It will also include base metal, shielded metal arc welding electrodes, joint fit-up and alignment, groove welds with backing, and open V-groove welds. All welds will meet the American Welding Society (AWS) qualification standards. (Regular Graded) Effective: 2011 Spring Semester

WLD-22 Oxyacetylene Welding and Flame Cutting (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21; Concurrent enrollment or completion with a C or better in: WLD 24; WLD 25; WLD 26; WLD 40; WLD 154
Transfer Status: Transferable to CSU only.
This course includes the techniques used for oxyacetylene welding (OAW) in all positions (flat, vertical, horizontal and overhead) and uses a variety of freehand and automatic burning equipment on different metals. (Regular Graded) Effective: 2007 Fall Semester

WLD-24 Shielded Metal Arc Welding (Stick Electrode) (8.00)
Hours: 34.00 Lecture. 306.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21; Concurrent enrollment or completion with a C or better in: WLD 22; WLD 25; WLD 26; WLD 40; WLD 154
Transfer Status: Transferable to CSU only.
This course includes pre-employment training for welding technicians. Emphasis on developing manipulative proficiency in the use of shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and flux core arc welding (FCAW), in the flat, horizontal, vertical, and overhead positions. These welding processes will be applied to light and heavy gauge plate steel for light construction. Part of the Level Two welder qualification for American Welding Society (AWS). (Regular Graded) Effective: 2007 Fall Semester

WLD-25 Fabrication Practicums (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21; Concurrent enrollment or completion with a C or better in: WLD 22; WLD 24; WLD 26; WLD 40; WLD 154
Transfer Status: Transferable to CSU only.
This course will instruct students on theory and proper operation and applications of equipment, tools, fasteners and processes used in welding and fabrication industries. Emphasis is placed in hands-on applications. (Regular Graded) Effective: 2008 Fall Semester

WLD-26 Symbol Reading, Blue Print Interpretation and Computations (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21; Concurrent enrollment or completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 40; WLD 154
Transfer Status: Transferable to CSU only.
This course includes an introduction to blueprint reading and welding symbols interpretation as applied to measurement and computations of metal and pipe layouts. Included within the course are layout and marking tool techniques used in the welding industry. Techniques of fabrication, structured materials listing and assembly methods will be emphasized. (Regular Graded) Effective: 2007 Fall Semester

WLD-28 Mig and Tig Arc Welding (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 30; WLD 32; WLD 34; WLD 36; WLD 42; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
This course includes the gas metal arc welding (GMAW)/metal inert gas (MIG), gas tungsten arc welding (GTAW)/tungsten inert gas (TIG) and flux cored arc welding (FCAW) processes, in the flat, vertical, horizontal, and overhead positions. It will also include safety procedures, electrode identification, joint fit-up and alignment, base metal preparation, weld quality, and beads, with a focus on theory and practice. (Regular Graded) Effective: 2011 Fall Semester

WLD-30 Heavy Plate Welding (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 32; WLD 34; WLD 36; WLD 42; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
This course includes the shielded metal arc welding (SMAW) processes and the flux cored arc welding (FCAW) Process, in the flat, horizontal, vertical and overhead positions on heavy plate (3/4" to 3" thick). It will also include safety procedures, electrode identification, joint fit-up and alignment, base metal preparation, weld quality, and beads, with focus on theory and practice. (Regular Graded) Effective: 2011 Fall Semester

WLD-32 Integrated Welding Applications (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent

enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 34; WLD 36; WLD 42; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
In this course students will perform layout, fitting, welding, inspection of structural weldments, piping, tank, and low pressure vessel simulation. Shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), and flux cored arc welding (FCAW) processes are emphasized. Shop fabrication and field erection are simulated. Limited access welding is encountered. (Regular Graded) Effective: 2011 Fall Semester

WLD-34 Pipe and Tube Welding (4.00)
Hours: 17.00 Lecture. 153.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 36; WLD 42; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
This course covers shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), and flux core arc welding (FCAW) processes on several pipe systems. A variety of materials and configurations on sub critical pipe welding (pressure and power systems, cross-country transmission, pipeline welding and water transmission pipe welding) will be used. Special attention and performance standards for the qualifications will be used from the following codes: American Petroleum Institute (API), American Welding Society (AWS) and American Society of Mechanical Engineers (ASME). (Regular Graded) Effective: 2011 Fall Semester

WLD-36 Welder Qualification (3.00)
Hours: 17.00 Lecture. 102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 34; WLD 42; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
This course prepares students for qualifications in several codes to meet the required standards for entry-level employment. Training in shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), and flux core arc welding (FCAW) to meet the American Welding Society (AWS), American Petroleum Institute (API), and American Society of Mechanical Engineers (ASME) code standards. Skills and proficiencies of all positions qualification test on plate and pipe are emphasized. (Regular Graded) Effective: 2010 Fall Semester

WLD-40 Welding Equipment Maintenance and Service (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21; Concurrent enrollment or completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 154
Transfer Status: Transferable to CSU only.
This course is a study of the theory, application and practices for welding equipment. This will include the maintenance and service skills for the equipment used in the welding industry. (Regular Graded) Effective: 2008 Fall Semester

WLD-42 Introduction to Welding Inspection (2.00)
Hours: 34.00 Lecture.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 56; WLD 156
Transfer Status: Transferable to CSU only.
This course instructs on the qualifications and knowledge requirements of a Certified Welding Inspector (CWI). Methods of testing, various procedures, and techniques of inspection. familiarize students with the basic concepts of destructive and nondestructive evaluation processes. Emphasis of record keeping methods used by the American Welding Society (AWS), American Society of Mechanical Engineers (ASME), American Petroleum Institute (API), and American National Standards Institute (ANSI). (Regular Graded) Effective: 2008 Fall Semester

WLD-50 Pipe Fitting and Cutting (2.00)
Hours: 17.00 Lecture. 51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 154;
Transfer Status: Transferable to CSU only.
This course assists students in pipe fitting, measurements, patterns, marking and layout tools used in the pipe welding industry. Techniques of fitting and cutting various pipe joint designs will be practiced. (Regular Graded) Effective: 2011 Fall Semester

WLD-55 Power Generation and Petroleum Chemical Pipe & Tube Welding (5.00)
Hours: 17.00 Lecture. 204.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 40; WLD 42; WLD 50; WLD 56; Concurrent enrollment or completion with a C or better in: WLD 158
Transfer Status: Transferable to CSU only.
This course teaches shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core arc welding (FCAW), gas tungsten arc welding (GTAW), oxyacetylene welding (OAW), and oxy-fuel cutting (OFC)processes on several piping systems. A variety of materials and configurations on sub-critical pipe welding to include pressure and power systems, cross-country transmission, water transmission and pipeline welding will be studied. Special attention and performance to the American Petroleum Institute (API) 1104 and American Society of Mechanical Engineers (ASME) Section IX code specifications for certification will be practiced. Intense training in pipe fitting, measurements, marking and layout tools used in the pipe welding industry will be stressed. Techniques of layout, cutting, fitting, and welding of various pipe joint designs will be performed. (The rigor is assured through homework assignments, projects, quizzes and tests) (Regular Graded) Effective: 2011 Summer Semester

WLD-56 Welding Industry Employment Preparation (3.00)
Hours: 51.00 Lecture.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 42; WLD 156
Transfer Status: Transferable to CSU only.
This course teaches job seeking skills demanded of welders in the industry today. Topics include a comparison of prospective employers within the welding industry, preparation for taking employment required skills tests, portfolio development, job-specific interview techniques and work place ethics and professionalism. (Critical thinking skills will be required in the formal interview process and also with the pre employment testing that is required by prospective employers.) (Regular Graded) Effective: 2011 Spring Semester

WLD-97 Special Problems-WLD (1.00-3.00)
Hours:
Requisite(s): Completion with a C or better in:

Transfer Status: Transferable to CSU only.
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. 51-153 hours Independent Study. (Regular Graded) Effective: 2013 Fall Semester

WLD-99 Work Experience-WLD (1.00-8.00)
Hours:
Requisite(s): Completion with a C or better in:
Transfer Status: Transferable to CSU only.
Career Work Experience (CWE) is a course that gives students the opportunity to earn both a grade and units for what they learn on the job related to their vocational major while gaining practical work experience. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (60-480 hours unpaid) or seventy-five hours of paid work experience (75-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. (Regular Graded) Effective: 2009 Fall Semester

WLD-150 Shop Practices for Beginning Welders (0.50-1.00)
Hours: 25.50-51.00 Laboratory.
Transfer Status: Not transferable
This is a supervised lab experience for beginning welding students. Students will practice skills in oxyacetylene welding (OAW), oxy-fuel cutting (OFC) and shielded metal arc welding (SMAW) processes, in the flat and horizontal positions on various joint details. All welds will meet the American Welding Society (AWS) qualification standards. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-152 Shop Practices for Intermediate Welders (0.50-1.00)
Hours: 25.50-51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 20
Transfer Status: Not transferable
This is a supervised lab experience for intermediate welding students. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), oxy-fuel cutting (OFC), plasma arc cutting (PAC),and air carbon arc cutting and gouging (CAC-A). Welding and cutting processes will be in the flat, horizontal, vertical, and overhead positions on groove welds with backing and open V-groove welds. All welds will meet the American Welding Society (AWS) qualification standards. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-154 Shop Practices for Welders I (1.00-2.00)
Hours: 51.00-102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 21Concurrent enrollment or completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40
Transfer Status: Not transferable
This is a supervised lab experience for first semester welding program students. Students will practice skills in oxyacetylene welding (OAW), oxy-fuel cutting (OFC), shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and flux core arc welding (FCAW) in all positions (flat, vertical, horizontal and overhead). Students will also use a variety of freehand and automatic burning equipment including plasma arc cutting (PAC) units and air carbon arc cutting and gouging (CAC-A) units. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-156 Shop Practices for Welders II (1.00-2.00)
Hours: 51.00-102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 40; WLD 50; WLD 154; Concurrent enrollment or completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 42; WLD 56
Transfer Status: Not transferable
This is a supervised lab experience for second semester welding program students. Students will practice skills in gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), flux cored arc welding (FCAW), and shielded metal arc welding (SMAW) on a variety of materials in the flat, vertical, horizontal, and overhead positions. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-158 Shop Practices for Pipe and Tube Welders (0.50-1.00)
Hours: 25.50-51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 22; WLD 24; WLD 25; WLD 26; WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 40; WLD 42; WLD 50; WLD 56; WLD 154; WLD 156; WLD 160; Concurrent enrollment or completion with a C or better in: WLD 55
Transfer Status: Not transferable
This is a supervised lab experience for pipe and tube welders. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core arc welding (FCAW), gas tungsten arc welding (GTAW), oxyacetylene welding (OAW), and oxy-fuel cutting (OFC) processes on several piping systems. Performance standards will meet the American Petroleum Institute (API) 1104 and American Society of Mechanical Engineers (ASME) Section IX. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-159 Shop Practices for Advanced Pipe Welders (0.25-1.00)
Hours: 12.75-51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 156 or WLD 158
Transfer Status: Not transferable
This is a supervised lab experience for pipe and tube welders. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core arc welding (FCAW), gas tungsten arc welding (GTAW), oxyacetylene welding (OAW), and oxy-fuel cutting (OFC) processes on several piping systems. American Petroleum Institute (API) 1104, American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) Section IX will be practiced. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-160 Welding Certification Practices (1.00-2.00)
Hours: 51.00-102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 28; WLD 30; WLD 32; WLD 34; WLD 36; WLD 42; WLD 56; WLD 156
Transfer Status: Not transferable
This is a supervised lab experience to help prepare students to meet the required standard for qualification papers in welding

codes using American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) specifications. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core are welding (FCAW), and gas tungsten arc welding (GTAW), in all positions on plate and pipe, in preparation for weld performance tests with certified welding inspectors (CWI) or contractors. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2008 Fall Semester

WLD-162 Pipe and Tube Welding Certification Practices (1.00-2.00)
Hours: 51.00-102.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 55; WLD 158
Transfer Status: Not transferable
This is a supervised lab experience to help prepare students to meet the required standard for qualification papers in welding codes using American Petroleum Institute (API) 1104 and American Society of Mechanical Engineers (ASME) Section IX. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core arc welding (FCAW), gas tungsten arc welding (GTAW), oxyacetylene welding (OAW), and oxy-fuel cutting (OFC) processes on several piping systems in preparation for weld performance tests with certified welding inspectors (CWI) or contractors. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

WLD-164 Welding Recertification Practices (0.25-1.00)
Hours: 12.75-51.00 Laboratory.
Requisite(s): Completion with a C or better in: WLD 160 or WLD 162
Transfer Status: Not transferable
This is a supervised lab experience to help students recertify to meet the required standard for qualification papers in welding codes using American Welding Society (AWS), American Petroleum Institute (API) 1104, and American Society of Mechanical Engineers (ASME) Section IX. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core arc welding (FCAW), gas tungsten arc welding (GTAW), oxyacetylene welding (OAW) processes on plate and several piping systems in preparation for weld performance tests with certified welding inspectors (CWI) or contractors. (Critical thinking skills will be required in the setup and operation of welding power supplies that are required by prospective employers.) (Pass/No Pass) Effective: 2013 Fall Semester

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Adams, Denise (2007)
Dean of Instruction
B.S., M.S., CSU, Chico
M.B.A., UC, Irvine

Ali, Nijmah (2016)
Biological Sciences
B.S., Humboldt State University
M.S., Oregon State University

Anguiano, Maria "Nena" (2007)
MESA Director
B.A., M.A., CSU, Northridge

Antongiovanni, Amy (2001)
English
B.A., M.F.A., Saint Mary's College of California

Armitage, Christopher (2011)
Welding
B.S., CSU, Chico

Aulakh, Ripandeep (2018)
Mathematics
B.A., Punjabi University
B.A., LBS Arya Mahila College
M.A., Himachal Pradesh University

Babich-Little, Fran (1980)
Health, *Kinesiology*
B.A., CSU, Chico
M.S., University of Arizona, Tucson

Baldi, Alessandro (2017)
Physics
Ph.D., University of Milan
B.S., M.S., University of Bologna

Ban, Stephen (2014)
Communication Studies
B.A., M.A., CSU, Chico

Barnett, Dan (1998)
Philosophy, Technology Mediated Instruction Coordinator
B.A., M.A., CSU, Chico

Bartsch, Kimberly (2017)
Mathematics
B.S., M.S., CSU, Chico

Beadle, John (2013)
Nursing - R.N. A.D.N
B.S., CSU Fresno
M.S.N., Sonoma State University

Bearden, Kenneth (2001)
English
B.A., Schreiner College, Texas
M.A., Arkansas State University
Ph.D., University of Louisiana

Bernal-Wood, Bobby (2016)
EOPS Counselor
B.S., University of Idaho
M.A., CSU, Chico

Birdsall, Jo Anna (1997)
Dean, Student Services
B.A., CSU, Chico
M.S., University of La Verne
Ed.D., Fielding Graduate University

Bowles, Laurie (2017)
Nursing
B.S., CSU, Chico; BYU
M.S., Western Governors University

Boyes, Monica (2008)
Director, Admissions and Records
B.S., CSU, Chico

Brown, Monica (2015)
Director, Student Equity
B.A., M.A., CSU, Chico
Ph.D., UC, Santa Cruz

Browne, April (2015)
Computer Science
B.S., Humboldt State University
M.S., CSU, Chico

Bryant, Jennifer (2019)
Engineering
B.S., CSU, Chico
M.S., University of Washington

Bull, Kam (1997)
Dean of Instruction
A.A., Skyline Community College
B.A., CSU, Chico
M.A., San Francisco State University

Bynoe, Cynthia (2013)
Political Science
B.A., San Diego State University
M.A., CSU, Chico

Calhoon, Tim (2007)
Executive Director, Butte Center for Technology and Research
B.S., CSU, Chico

Carbonaro, Amy (2014)
Project Manager
B.A., CSU, Chico

Carlson, Casey (2011)
Chief of Police
A.A., Front Range Community College

Carroll, Dillon (2019)
History
B.A., CSU Chico
M.A., CSU Chico
Ph.D, University of Georgia

Cervantes, Matthew (2019)
Computer Science
B.S., CSU, Chico
M.A., Carnegie Mellon University

Chagoya, Sandoval (2003)
Director, Public Relations and Marketing, CCCTC
B.A., CSU, Chico
M.S., Drexel University

Charles-Tollerup, Jennifer (2018)
Agriculture Production
B.A., UC Santa Cruz
Ph.D., UC Riverside

Christensen, Patrick (2003)
Accounting
B.S., M.B.A., University of Utah

Christiansen, Lisa (2012)
General Business
B.A., CSU, Chico
M.B.A., San Jose State University

Chofla, Shaun-Adrian (2016)
Child Development

B.A., M.A., Pacific Oaks College
Ed.D. Walden University

Clark, Miya (1996)
Learning Resource Specialist
B.A., M.A., CSU, Chico

Cluver, Theodore (2015)
Mathematics
B.S., M.S., CSU, Chico

Coleman, Jennifer (2014)
Director, Statewide Programs, CCCTC
A.A., Mendocino Community College
B.S., M.B.A., CSU, Sacramento
Ed.D., Drexel University

Conrad, Douglas (2010)
Automotive Technology
A.A., University of Phoenix

Cousineau, Randy (2013)
Geography
B.S., Stephen F. Austin State University
M.A., CSU, Chico

Cox, Thomas (2017)
Chemistry
B.S., Sec ED., University of Nevada
Ph.D., South Dakota University

Craig, Susan (2005)
Allied Health
B.S.N., M.S.N., CSU, Chico

Critchfield, Russ (1998)
Kinesiology, Men's Basketball Coach
B.A., UC, Berkeley
M.A., Saint Mary's College

Cuneo, James (2016)
Allied Health, EMS
A.A., Santa Rosa Community College
B.A., CSU, Chico

Dahl, Cristina (2009)
English
B.A., M.A., CSU, Chico
M.A., Ph.D., Cornell University

Dahlgren, John (2010)
Drafting Technology
B.S., CSU, Chico

Davis, Donna (2000)
Respiratory Care
A.S., Butte College
B.S., Oregon Institute of Technology

Day, Tina (2016)
CAS Learning Resource Specialist
B.A., M.S., CSU, Chico

DeLaby, Lisa (2002)
Director, Institutional Advancement
B.A., CSU, Chico

Delgado, Julio (2019)
Counseling
B.A., CSU, Chico
B.S., CSU, Chico
M.S., CSU, Sacramento

DeMaggio, Steven (2010)
Director, Auxiliary Services
B.A., CSU, Chico

Dev, Sanjay Kumar (1990)
Mathematics
B.S., M.S., CSU, Chico

Dewey, Shannamar (2017)
Biology
M.S., Ph.D., UC, Davis
B.S., UC, Santa Cruz

Dillard, Jaimie (2010)
Director, DSPS
A.S., Pima Community College
B.S., University of Arizona
M.S., CSU, Sacramento
M.A., The George Washington University

Donnelly, Brian (2007)
Career Counseling
B.A., UC, Santa Cruz
M.S., University of La Verne

Donnelly, Daniel (2002)
Multimedia Studies

Dorsett, Maggi (2002)
Food and Nutrition
B.A., Eastern Oregon University
M.S., Portland State University

Doyle, Teresa (2017)
Dean of Instruction
B.A., M.A., CSU, Chico

Duke, Lisa (1996)
Mathematics
B.S., CSU, Chico
M.A., University of New Mexico

Dunn, Elizabeth (2016)
Accounting
B.A., Cal Poly, Pomona
M.S., CSU, Chico

Edwards, Vance (2014)
Program Coordinator, Foster Youth Support
A.A., Philadelphia Community College
B.A., CSU, Sacramento
M.S.W., CSU, Chico
M.A., Humboldt State University

Elke, David (2015)
Music
B.A., M.A., CSU, Chico

Emmons, Molly (2005)
English
B.A., University of Oregon
M.A., UC, Davis and Portland State University

Enyeart, Bruce (1996)
Mechanized Agriculture
B.S., Washington State University
M.A., CSU, Chico

Fanucchi, Jonathan (2015)
Project Manager
B.S., CSU, Chico

Ferguson, Colin (2002)
Geology, Physical Science
A.S., Butte College
B.S., CSU, Chico
M.S., Southern Arizona University

Fischer, Linda (2015)
Computer Science
A.S., Butte College

Flores, Felicia (2020)
Cosmetology

Fredericks, Kelly (2013)
English
B.A., Sonoma State University
M.A., CSU, Chico

Fukumoto, Randall (2013)
Mathematics
B.A., CSU, Long Beach
M.A., University of Houston

Gallagher, Laurie (2016)
Transfer Center Counselor
B.A., M.A., CSU, Chico

Galli, Kelly (2019)
Nursing
B.S., UC, Davis
B.S.N., Samuel Merritt University
M.S.N., University of Cincinnati

Germar, Tia (2016)
Reference Librarian
B.A., San Francisco State University
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Giannini, Scott (2016)
Mathematics
B.S., M.S., CSU, Chico

Gomes, Lynda (2016)
Nursing, Simulation Coordinator
B.S.N, M.S.N, CSU, Chico

Gonzalez Cuadros, Irma (2013)
Child Development and Family Relations
B.A., M.A., Pacific Oaks College

Gray, Danielle (2019)
Chemistry
B.S., CSU Chico
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Grewal, Mandeep (2018)
Biology
M.S., B.S., CSU Chico

Grothe, Thomas (2005)
Communication Studies
B.A., CSU, Chico
M.A., San Francisco State University

Guleff, Virginia (2017)
Vice President of Instruction
B.A., San Jose State University
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Gunn, Lisa (2006)
Allied Health
B.A., Northern Illinois M.P.A., College of Notre Dame

Hartt, Phoebe (2006)
Remedial Mathematics
B.A., MA., CSU, Chico

Haslem, Marshall (2001)
Fire Science
B.S., CSU, Chico
M.S., Cal Poly, San Luis Obispo

Hauser, Juilet (2000)
Mathematics
B.S., CSU, Chico
M.A., CSU, Fresno

Hayano-Lavin, Saundra (1998)
Counselor
B.A., M.A., CSU, Chico

Heimlich, Ryan (2020)
Music
B.A., UC, Berkeley
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Hennessy, April (2013)
Learning Resource Specialist
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Hensley, Arah (2015)
Nursing
B.S.N., CSU, Chico
M.S., Walden University

Henson, Leslie (1998)
English
B.A., St. Vincent College
M.A., Ph.D., University of Florida

Herrick, Tamsen (2009)
Mathematics
B.S., UC, Davis
M.A., Fresno Pacific University
M.S., University of Phoenix

Hoiland, Eric (1995)
Director, Assessment
B.A., UC, Berkeley
M.A., University of Vermont
M.A., University of La Verne

Holt, Robert (2005)
Automotive Technology
A.A., Butte College

Hovsepian, Vahan (2005)
Psychology
B.A., University of Southern California
M.A., Pepperdine University

Hubbard, Patti (2017)
Nursing
A.S., Butte College

Hutton, Terri (2003)
Family and Consumer Studies
A.A., Yuba College
B.A., CSU, Chico
M.A., Concordia University

Jenks, Julie (2018)
Biology
B.S., UC Davis
M.S., CSU East Bay

Jimenez, Stephanie (2013)
Program Coordinator, Foster and Kinship Care Education
B.A., CSU, Chico

Johnson, Linda (2003)
Psychology
B.A., Western Washington University
M.A., CSU, Chico

Jones, Kim (1988)
Director, Facilities Planning and Management
A.S., Butte College

Jordan, Jeffrey (2006)
Health, Kinesiology
B.S., Cal Poly, San Luis Obispo
M.A., CSU, Chico

Juhl-Darlington, Jennifer (2007)
Nursing
B.A., Mills College
M.S.N., San Francisco State University

Kekaha, Lisa (2008)
English
B.A., M.A., CSU, Chico

Kelly, April (2016)
Communication Studies
B.A., M.A., CSU, Chico

Kelley, Michelle (2017)
Business Computer Information Systems
B.A., CSU, Chico
M.L.S, San Jose State University

Kielb, Craig (2015)
Automotive
A.A., A.S., Butte College

Kinner, Brooke (2020)
Construction
B.A., CSU, Chico

Kirkwood, Kim (2018)
Cosmetology
B.S., University of Central Missouri

Klein, Steve (2014)
Director, Statewide Programs, CCCTC
A.A., Santa Ana College
B.A., CSU, Chico

Knifong, Shelly (2013)
Scheduling and Curriculum Analyst

Koehnen, Lori (2017)
Administration of Justice
B.A., University of the Pacific

Konuwa, Sophie A. (1993)
Director, Small Business Development Center, Business Management
B.A., Appalachian State University
M.S., Cardinal Stritch University

LaGrave, Nicole (2008)
English
B.A., M.A., CSU, Chico

Landry, Robert (2014)
Agriculture
B.S., Texas State University
M.A., UC, Davis

LaPine, John (2018)
English
M.A., B.A., Northern Michigan University

Lauer, Jim (1990)
Health, Kinesiology
B.A., M.A., CSU, Chico

Lechner, Gary (2008)
Biological Sciences
B.S., M.S., CSU, Chico

Lillie, Penny L. (1995)
Physical Science, Chemistry
A.A., Butte College
B.A., M.S., CSU, Chico

Little, Chris (2016)
Executive Director, Human Resources
B.A., CSU, Chico
M.P.A., CSU, Dominguez Hills

Lloyd, Tierra (2015)
Mathematics
B.S., BYU
M.S., CSU, Chico

Lodewyk, Michael (2015)
Chemistry
B.S., Ph.D., UC, Davis

Lovelady, Kyle (2017)
Welding
A.S., Butte College

Lybbert, Jeannie (2002)
Assistant Director, Financial Aid and Veterans Services
B.S., Western Governors University

Maclean, Gina (2013)
Respiratory Care
B.A., Oregon Institute of Technology

MacKinnon, Katherine (2003)
English
B.A., University of the South, Tennessee
M.S., Georgia State University
Ph.D., Northern Arizona University

Maday, Randy (1993)
Health, Kinesiology, Athletics

Law Enforcement Academy
B.A., M.A., CSU, Chico

Martine, Corinne (2009)
Program Administrator, Foundation
B.A., CSU, Chico

Martinez, Analia (2019)
Learning Resource Specialist
B.A., CSU, Chico
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Matiasek, Michael (2012)
Biological Sciences
B.A., University of Colorado Boulder
Ph.D., UC, Davis

Mavis, Mark (2002)
Mathematics
B.A., M.S., CSU, Chico

McArthur, Sarah (2018)
Chemistry
B.S., San Jose State University
Ph.D., M.S., UC Riverside

McCabe, Deborah (2015)
Communication Studies
B.A., UC, Berkeley
M.A., CSU, Chico
J.D., University of Iowa

McCartney, Cynthia (2006)
Project Manager
A.A., Lassen College, Brooks College
B.A., CSU, Chico

McCollum, Shannon (2016)
Executive Assistant to the Superintendent/ President and the Board of Trustees
B.A., CSU, Chico
M.P.A., CSU, Chico

McDougall, Patrick (2019)
Physics
B.S., CSU, Chico
M.S., CSU, Fresno

McFall, Dakoda (2020)
Welding
A.S., Butte College

Meier, Alexandra (2003)
Art History, Art
B.F.A., M.A., CSU, Chico

Meyer, Laurie (2013)
Nursing
B.S.N., CSU, Chico
M.A., Western Govenors University

Milinkevich, Kristin (2009)
Chemistry
B.S., CSU, Chico
Ph.D., UC, Davis

Mistry, Shahroukh (2009)
Biological Sciences
B.S., M.S., University of Baroda
M.S., University of TN, Knoxville
Ph.D., University of New Mexico

Modes, Mark Steven (1993)
Kinesiology
B.S., CSU, Fresno

Monlux, Carrie (2012)
Dean of Instruction
B.S., M.S., CSU, Chico
Ph.D., Texas A&M University

Munson, Kelly (2002)
Advisor, Associated Students and Student Activities
B.S., Cal Poly, San Luis Obispo
M.Ed., Antioch/New England Grad School

Murawski, Nathen (2019)
Psychology
B.A., CSU, Sacramento
Ph.D., University of Delaware

Murphy, Brian (2017)
Director, Institutional Research
B.S., CSU, Sacramento
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Nash, Kristie (2002)
Manager, Contracts/Risk Management
B.S., University of Phoenix

Nelsen, Jennifer (2015)
Business
B.A., M.B.A., CSU, Chico

Nichols, Lisa (2003)
Chemistry
B.S., CSU, Chico
M.S., Stanford University

Norlund, Gar (2020)
Advanced Manufacturing
A.A., Universal Technical Institute

Nutsch, Rita (2018)
Mathematics
B.S., University of Idaho
M.S., CSU Chico

Nuzum, Julie (2010)
Special Education, OLS
B.A., Simpson University
M.A., CSU, Chico

Oberle, Eric (2013)
Mathematics
B.A., San Diego State University
M.A., Central Washington University

Ohland, Angela (2018)
Communication Studies
B.A., CSU Stanislaus
M.A., CSU Chico

Old, Trudy (1999)
Deputy Sector Navigator, Health Workforce Initiative
A.S., Butte College

Opperman, Anna (2018)
Nursing
B.S., Emporia State University
M.S. Walden University

Padilla, Michael (2015)
Mathematics
B.S., UCLA
M.S., CSU, East Bay

Panunto, Michael (2004)
Physical Sciences, Engineering
B.S., Temple University
M.S., Ph.D., University of Maryland

Peacock, Miles (2008)
Welding
B.S., Humboldt State University

Pitter, Russell (2018)
Welding
B.S., CSU Chico

Pothier, John (2018)
Cosmetology
B.A., CSU Chico

Price, Steve (2007)
Economics
B.A., CSU, Chico
M.A., University of San Francisco

Racheter, Bruce (2007)
Project Manager
B.A., University of the South

Radler, Andrew (2007)
Economics
B.S., Cal Poly, San Luis Obispo
M.P.A.,University of San Francisco

Rafferty, Annie (2008)
Director, Contract Ed Training and Development
B.S., Rider College, New Jersey
M.S., St. Joseph's University, PA

Rapozo-Davis, Laura (2005)
Chairperson, Communication Studies
B.A., University of San Francisco
M.A., CSU, Chico

Rau, Heather (1990)
Scheduling and Curriculum Analyst
A.S., Butte College

Reinbold, Brian (2001)
Physical Science
B.S., CSU, Chico
M.S., San Jose State University

Richer, Dorrie (2017)
Scheduling and Curriculum Analyst
A.S., Butte College
B.A., CSU, Chico

Riley, Mimi (2001)
Sociology
B.A., UC, Berkeley
M.A., UC, San Diego

Roberson, Carrie (2003)
Child Development, Life Management
B.A., CSU, Chico
M.A., National University, Sacramento

Robinson, Donald (2003)
Director, Industrial Technology
A.S., Butte College
B.S., CSU, Chico
M.S., Cal Poly, San Luis Obispo

Runyan, Amanda (2018)
English
M.A., B.A., CSU Chico
Ph.D., Northeastern University

Sanchez, Henry (2018)
Disabilities Specialist
B.A., CSU Chico
M.S. San Diego State University

Sathrum, Luke (2013)
Computer Science
B.S., Humboldt State University
M.S., CSU, Chico

Schmid, Melody (2018)
Biology
B.A., Colorado College
M.S., UC Davis
Ed.D., M.S., UC Davis

Scott, Kim (2016)
Career Life Planning, CalWORKs
B.A., M.P.A., CSU, Chico
M.S., University of LaVerne

Senat, Simone (2000)
Fine Arts
B.A., UCLA
M.F.A., San Jose State University

Shinar, Tammera (2015)
Director, Financial Aid and Veterans Services
B.S., University of Phoenix
M.B.A., Devry University, Keller Graduate School of Management

Shippen, David (2015)
Director, Statewide Programs, CCCTC
A.A., Butte College
B.A., M.P.A., CSU, Chico

Sicke, Rachel (2013)
Counselor
B.A., M.S.W., CSU, Chico

Silliman, William G. (2018)
Automotive, Diesel Technology
A.S., Butte College

Sills, John (2014)
Program Manager, CCCTC
B.A., CSU, Stanislaus

Slaughter, Clinton (2002)
Dean, Student Services
B.A., M.P.A., CSU, Chico

Sloan, Sandy (2008)
Business Computer Information Systems
A.A.S., B.S., Ph.D., Southern Illinois University Carbondale
M.P.A., CSU, Eastbay

Smallhouse, Sara (2018)
Art History
B.A., UC Irivine
M.A., CSU Chico

Smith, Michael A. (2015)
Allied Health, EMS
A.S., Butte College
B.A., CSU, Chico

Smith, Michael S. (2015)
Reference Librarian
B.S., Gannon University
M.L.S., San Jose State University

Snelling, Robert (2018)
Head Football Coach
B.S., Boise State University
M.A., Arizona State University
M.S., Louisiana State University

Snodgrass, Richard (2014)
Project Manager
B.A., Ohio State University

Soldate, John (2006)
Counselor
A.A., Santa Rosa Junior College
B.A., M.A., CSU, Chico
M.S., University of Southern California

Springer, Heather (2014)
English
B.A., Linfield College
M.A., Northern Arizona University

St. Cin, Steven (2001)
Counselor
B.A., UCLA
M.S., CSU, Hayward

Stagner, Brenda (2008)
Foods and Nutrition
B.A., M.S., CSU, Chico

Stoup, Gregory (2019)
Vice President, Institutional Effectiveness
B.A., Case Western Reserve University
M.A., M.B.A. Case Western Reserve University

Suleski, Andy (1996)
Vice President, Administration, Chief Business Officer
A.A., Yuba College
B.S., CSU, Chico
M.B.A., CSU, Sacramento

Sun, Dakuan (2005)
Mathematics
M.E.D., M.S., Ph.D., Ohio University

Taylor, Amelia (2017)
Nursing
B.S., University of Texas, Arlington

Taylor, Cheryl (2014)
Manager, Grants Research and Development
B.S., CSU, Chico

Terra, Jill (2013)
Biological Sciences
B.S., University of Iowa
Ph.D., UCLA

Thao, Doua (2020)
EOPS Counselor
B.A., M.A., CSU, Chico

Thomas, Russel (2017)
Welding
A.S., Butte College

Thompson, Dorene (2003)
Business Computer Information Systems
B.A., CSU, Sacramento
M.A., University of Phoenix

Trento, Jason (2000)
Physics, Physical Science
B.S., CSU, Chico
M.S., UC, Davis

Trolinger, Christine (2002)
History
B.A., Angelo State University
M.A., Texas Tech University

Trolinger, John Boyd (2001)
Computer Science
B.A., University of Texas
M.A., Texas Tech University

Troxel, Shannan (2015)
Communication Studies
B.A., M.A., CSU, Chico

Turner, Charles A. (1993)
History
B.A., UC, Riverside
M.A., UCLA
J.D., Newport University

Vader, Seth (2016)
Welding Technology
A.S., Butte College

Valle, Heather (2015)
Psychology
B.A., M.S., CSU, Chico

Valle, Llael (2019)
EOPS Counselor
B.A., UC, Davis
M.S., CSU, Chico

Vandereyck, Julia (2015)
Director, Child Development Center
A.A., Butte College
B.A., Pacific Oaks College

Vang, Kia (2019)
EOPS Counselor
B.A., CSU, Chico
M.S.W., CSU, Chico

Vann, Serey (2018)
Counselor
M.S., B.A., CSU Sacramento

Vargas Rivera, Mayra (2020)
EOPS Counselor
B.A., M.S., CSU, Sacramento

Vazquez, Jacob (2019)
Agriculture
B.S., M.S., CSU, Fresno

Vela, Mario (2002)
Interim Director, Athletics, Kinesiology
A.A., Napa Valley College
B.A., University of the Pacific
M.A., CSU, Fresno

Vickery, Jess (2016)
Chemistry
B.S., UC, Santa Barbara
Ph.D., UC, Davis

Vogel, Shaaron (1996)
Nursing
B.S.N., CSU, Chico
M.S.N., CSU, Dominguez Hills

Wakim, Suzanne (2004)
Biological Sciences
B.S., Loyola University
M.S., UC, Davis

Walden, Bobby (2018)
Counselor, Veterans
B.A., CSU, Chico
M.S., University of Southern California

Wallace, Marty (2013)
Chemistry
B.S., Portland State University
M.S.W., CSU, Chico

Wannenmacher, Elizabeth A. J. (1992)
Chemistry
B.S., UC, Berkeley
Ph.D., UC, Davis

Ward, Deana (2020)
Nursing
B.S.N., CSU, Chico
M.S.N., Gonzaga University

Ward, Teresa (2000)
First Year Experience, Coordinator, Professional Development, English
B.A., UC, Davis
M.A., CSU, Chico
Ed.D., Grambling State University

Wentzell, Justin (2010)
Foreign Language
B.A., M.A., Northern Arizona University

Wheeler, Kimberly (2018)
Nursing
B.S.N., Liberty University
M.S.N., Sonoma State University

White, Andrea (2013)
Biological Sciences
B.S., CSU, Chico
M.S., Ph. D., University of Illinois

White, Robert (2008)
Engineering, Physics, Curriculum Committee Chairperson
B.S., CSU, Chico
M.S., Ph.D., University of Illinois at Urbana-Champaign

Whitmore, Warren (2016)
Program Manager, CCCTC
B.A., CSU, Chico

Williams, Thomas (2016)
Agriculture Business
B.S., CSU, Chico

Wilpolt, Mark (2018)
Mathematics
M.S., B.S., CSU Chico

Withrow-Clark, Robert (2016)
Learning Resource Specialist
B.A., CSU, Sacramento
M.A., University of Pacific

Wittsell, Rick (2012)
Natural Resources
B.S., M.S., CSU, Chico

Wood, Kelly (2005)
Biological Sciences
B.S., M.S., CSU, Chico

Worthington, Sean (2002)
Computer Science
A.S., Community College of the Air Force
B.S., Charter Oak State
M.S., University of Phoenix

Wycoff, Thomas (2019)
Heating, Ventilation and Air Conditioning

Yaqub, Samia (1989)
Superintendent/President
B.A., UC, Davis
M.A., CSU, Chico
Ph.D., Oregon State University

Zorn, Linda (1999)
Executive Director, Economic and Workforce Development
B.A., University of Wisconsin

Zuniga, Brad (2002)
Dean, Student Services
B.A., CSU, Chico
M.S., University of LaVerne

Emeritus Faculty and Staff

Acebo, Dr. Sandra Collins (1998-2003)
Superintendent/President

Adams, Idie (1976-2010)
Ceramics

Allen, Fred (1971-1998)
Dean of Instruction

Bachman, Deborah (2001-2014)
Counselor

Baird, Tom (1989-2010)
Automotive Technology

Baroni, Steve (1972-2010)
Counselor

Beachamp, Bobby, L. (1984-2006)
Automotive

Beard, Maria (1988-2013)
Administrative Assistant

Bentz, Doug (1975-2009)
Dean of Instruction

Bigler, Richard (1988-2020)
Mathematics

Billingsley, Edmond (1968-2004)
Assistant to the President

Bills, Albin (1978-2008)
Biological Sciences

Bizzle, Nancy (1981-2005)
Administrative Assistant

Boyer, Milton (1981-1992)
Dean of Instruction

Brandstatt, Dr. Gerald (1988-2003)
Computer Science, Drafting, Engineering

Brannon, Shirleigh (1995-2015)
Librarian

Bresina-Hutton, Suzanne (1999-2019))
Dean of Instruction

Brilts, Juri (2005-2013)
Grants Manager

Brown, Margaret (1986-2003)
Assistant Dean, Instructional and Community Services

Brown, Sue (1988-2009)
Human Resources Analyst

Brown, Wendy (1991-2013)
Language Education

Buchanan, Sharon (1986-2004)
Administrative Assistant

Buzza, Windsor M. (1971-2003)
Automotive Technology

Cabral, Patricia (1989-2015)
Mathematics

Campbell, Richard (1970-2015)
Mathematics

Carey, Susan (1988-2018)
Counseling

Carpenter, Neil (1988-2000)
Mathematics

Carver, Richard (1972-2008)
Supervisor, Transportation, Maintenance, Grounds

Cassell, Mary (1975-2005)
Physical Education, Chemistry

Cen, Luozhu (1999-2016)
Dean of Instruction

Chandler, Jerry Kirsch (1987-2008)
Reading

Chapman, Joyce (1992-2002)
Court Reporting, BCIS

Chase, Cathy (1995-2012)
English as a Second Language (ESL)

Clark, Jean (1981-2006)
Language, Education and Development, Reading

Clark, Linda (1973-2006)
Nursing

Clark, Richard Allen (1968-1992)
Spanish

Cole, Suzie (1992-2010)
Administrative Secretary

Consol, Dr. Alfred (1968-1995)
Humanities, Language Arts, Foreign Languages

Cooper, David S. (1989-2017)
Art

Couch, Ken (1974-2015)
Computer Science

Cremer, Doug (2001-2013)
Director Information Technology

Cripe, Jo Anne (2000-2016)
Child Development/Life Management/First Year Experience

Dalton, Claire (1971-2008)
Business Computer Information Systems

Danielson, David (1993-2016)
Mathematics/Dean for Student Learning

Davidson, Carolyn (1996-2016)
Language Education and Development, Reading

Davis, Genny (1974-2005)
Administrative Assistant

Delaney, Anita (1996-2020)
Administrative Secretary

Denney, Jean (1974-1997)
Physical Education, Health, Recreation and Dance

Donaldson, Barry (1990-1992)
Director, Glenn County Center

Dunbaugh, Michael (2005-2012)
Dean of Instruction

Dunlap, Marty (1984-2007)
Assessment

Dunn, Richard (1981-2010)
Coordinator, Disabled Students Programs and Services

Eggert, Steven (1974-2001)
Physics

Ekins, Dr. Roger (1986-2009)
English

Erwin, Keith (1967-1986)
Business

Evans, Arlene (1983-1987)
Vocational Nursing

Felling, Nancy (1986-1993)
Public Information Officer

Ferretti, Remo (1968-1992)
Physical Education, Recreation, Health

Findlay, Michael (1988-2015)
Anthropology

Flesher, Douglas D. (1970-1992)
Agriculture

Flores, Rudy (1993-2013)
Dean of Instruction

Forsmith, Julianne (1969-1997)
Language Arts, Drama, Speech

Franchi, Laureen (Reenie) (1989-2016)
Payroll Technician

Franchi, Rod (1995-2019)
Senior Maintenance Technician

Fugle, Gary (1989-2013)
Biology

Garten, Dorothy M. (1970-2003)
Business Education

German, Barbara (1971-1997)
Food Service Manager

Gish, Carole (1993-2008)
Director of Admissions and Records

Goberstein, Faina (1983-2012)
Mathematics

Goodson, David (2001-2021)
Assistant Director, TRIO

Gordon, Beverley (1978-2003)
Business Computer Information Systems

Gray, Dr. Donald, M. (1989-2006)
Assistant Dean, Admissions and Records

Griswold, Nancy (1971-1996)
Executive Director, Butte College Foundation

Guffy, Annette (1984-2012)
Administrative Assistant

Hagen, Lyman (2001-2014)
Agriculture

Hamberg, Lorraine (1980-2012)
Admissions and Records

Hannan, Gail (1998-2014)
Language Education and Development

Hansen, Bonnie (1987-2010)
Administrative Secretary II

Hasson, Dian (1969-2010)
Political Science

Hemenway, Phillip (1977-2006)
English

Hicks, Carolyn (1987-2007)
Nursing

Hoffman, Glenn (1976-2011)
Sociology

Hoiland, Scot (1984-2013)
Geography

Holloway, Valerie (2004-2015)
Welcome Center

Holman, Howard "Pete" (1971-1998)
Dean of Instruction

Holt, Yolanda (1974-1998)
English as a Second Language

Hood, Bruce (1979-2000)
Speech

Hopkins, John B. (1969-1986)
Mathematics

Hradecky, Carolyn (1975-2000)
Assistant Director, Human Resources

Hughart, Norm (1976-2010)
Business

Hughes, Margaret (1968-2005)
English

Hunter, Dee-Ann (1986-2003)
Supervisor, Shipping/Receiving and Print Shop

Hyde, Dennis (1980-2011)
Alcohol and Drug Studies

Ivey, Dennis (1994-2016)
Political Science

Jauron, Les (2001-2019)
VP For Planning, Research & Organizational Development

Jackson, Matthews, D. (1973-2006)
Vice President of Educational and Student Programs and Services

Jacobson, Herbert (2003-2013)
Agriculture

Jennings-Severe, Peggy (1984-2015)
Dean, Recruitment, Outreach, Student Life

Jensen, Nancy (1988-2019)
Student Services Supervisor

Kamman, Barbara (1971-2004)
Physical Education

Kelly, Macy (1988-2013)
Nursing

Kincheloe, Laurie (1983-2015)
Mathematics

Kostiz, Reggie (1982-2008)
Business Computer Information Systems

Kraemer, Angela (1998-2012)
English

Larson, Peter (1968-1999)
Business, Accounting, Computers

Lee, Garrick (1970-2001)
Geography, Physical
Science (Meteorology), Mathematics

Lehmann, Sharon (1984-2001)
Nursing

Leitner, Susan (1968-2005)
Business Computer Information Systems

Lemley, Jack (1988-2015)
Director, Auxiliary Services

Lenhoff, Donna (1981-2005)
Language Education and Development

Lerch, Myra (1990-2009)
Disabled Students Programs
and Services

Lewis, Janice (1974-1993)
Director of Finance

Liddell, Michael (1969-2004)
Director, Physical Education and Athletics

Lugo de Arnsdorf, Gabriella (1998-2011)
Language Education and Development

Lyssy, Chet (1970-1998)
Physical Education

Machuga, Ric (1985-2016)
Philosophy

Manthey, Mae (1984-2002)
Language Education and Development

Martin, Robert (1975-1999)
Physical Education

Mason, Paul (1996-2013)
Biology

Matlock, Ernest (1976-1992)
Assistant Superintendent,
Vice President for Instruction

Mattison, Dr. G. David (1989-2003)
Geology, Physical Science

Maxey, Barbara (1989-2008)
Assistant Dean, Contract Education

McKinnon, Gloria (1972-1998)
Office Information Systems

McKinnon, Mark (1998-2017)
English

McManus, Beverly (1985-2010)
Supervisor, EOPS/CARE

McNelis, Steven (1976-2008)
Administration of Justice

McSpadden, Marie (2002-2018)
Curriculum & Scheduling Analyst

Mead, Debbie (1988-2012)
Administrative Assistant

Micalizio, Karen (1982-2018)
Dean, Financial Aid and Special
Programs

Milosevich, Silvia (1989-2008)
Foreign Language, Honors, English

Moore, Michael (1973-2000)
Supervisor, Campus Police

Morin, Romeo (1968-1998)
Counselor

Mox, Andrea (2013-2021)
Chief Technology Officer

Nakagawara, Quentin (1969-2001)
Agriculture and Natural Resources, (Hort)

Neath, Alice (1985-2004)
Mathematics

Nelson, Stevens (1968-2001)
Sociology

Newlin, Merlyn (1984-2008)
Career and Employment Services
Career Center

Newman, Kathy (1973-2005)
Biology

Newman, Larry (1986-2004)
Dean, Instructional Services

Newman, Lena (1987-2000)
Administrative Assistant, Instruction

Oakes, Gary (1968-2006)
Mathematics/Computer Science

Oba-Winslow, Carol (1987-2015)
Disabled Students Programs
and Services

Osborne, John (1975-2010)
Language Arts

Parker, Becky (1990-2010)
Account Clerk

Parker, John (1970-2005)
Supervisor Facilities

Pascale, Pat (1996-2008)
Shipping and Receiving

Payne, Carl David (1998-2015)
Communication Studies

Pepperdine, Debra (1988-2008)
Human Resources Benefits Analyst

Petersen, Owen (1970-2001)
Agriculture and Manufacturing

Phillips, Lynn (1979-2009)
Nursing

Plyley, Cari (1985-2018)
Administrative Secretary

Rasmussen, Mike (1977-2010)
Dean, Special Programs

Renville, Al (1976-2020)
VP for Student Services

Retes, Nancy (1991-2020)
Mathematics

Reynolds, Debra (1990-2019)
Counseling and Advising

Rice, Raymond (1968-1992)
Director of Maintenance and Operations

Riggle, Leonard L. (1968-1988)
Automotive Technology

Rigsbee, Craig (1987-2021)
Director, Athletics, Kinesiology

Rivas, Margaret (1990-2004)
Director, Adult Ed and
Community Services

Rodgers, Irene Fell (1971-1992)
Mathematics

Rogers, Donald Edward (1968-1990)
Coordinator of Counseling

Rojas, Judith (1993-2010)
Spanish

Sawyer, Tom (1991-2010)
Sociology

Schmidt, Jim (1974-2008)
English/Music/Journalism

Shannon, Ann (2003-2016)
Learning Resource Specialist

Sincoff, Steven (1998-2013)
Physical Sciences

Smith, Robert D. (1969-1995)
Physics

Snidow, Neal (1987-2009)
English

Snow, Sue (1980-2006)
Payroll Technician

Solomon, Daniel (1971-2005)
Respiratory Care Program

Speed, Ken (1985-2016)
Counseling

Spring, Helen (1968-1983)
Reference Librarian

Stanley-Hall, Carol (1975-2013)
Physical Education

Stenvall, Craig (1985-2019)
Supervisor of Maintenance & Grounds

Stenvall, Paula (1990-2016)
Human Resources Analyst

Stull, Will (1991-2003)
Sculpture, Art Appreciation

Swenson, Catherine (1999-2014)
Director, Economic
Workforce Development

Tappenbeck, Jim (1989-2003)
Learning Center Coordinator

Taskiran, Ayse (2005-2017)
Anthropology

Taylor, Karen (1999-2015)
Accounting

Thompson, Elaine (1974-1992)
Director of Accounting/Budget

Travis, Patricia (Patty) (2001-2015)
Administrative Secretary III

Van Dame, Maggie (1995-2010)
Manager, User Support Services

Van Der Ploeg, Dr. Diana (2003-2011)
Superintendent/President

Vanskike, Tami (2007-2021)
Administrative Assistant

Voyles, Hannie (1971-2000)
English

Weaver, Donna (1987-2017)
Dean of Instruction

Weiss, Carol (1981-2018)
Payroll Supervisor

Werner, Marianne (1996-2008)
English

Wheeler, Edward (1968-2000)
Anthropology

White, Jack (1970-1996)
Mathematics

Whitehouse, Dr. James M. (1997-2003)
Dean, Transfer and General Education

Winslow, Verla (1972-2009)
Counselor

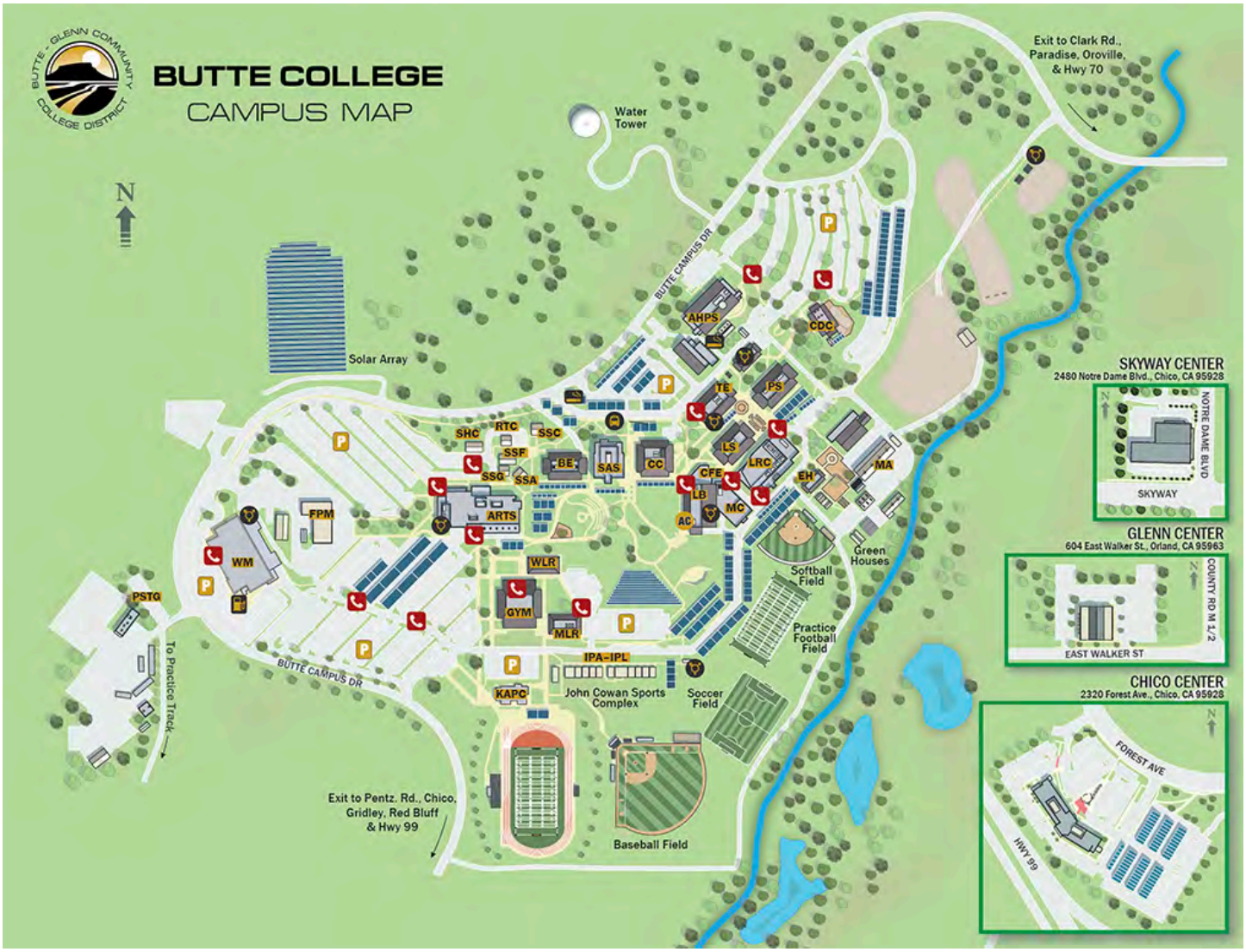
Wilmarth, Tip (2001-2020)
Coordinator, Environmental Horticulture, Agriculture

Wood, Christine (1989-2018)
Psychology

Wren, Anthony (1980-2017)
Physical Science, Chemistry

Maps

For a complete interactive & printable map of our campus and centers, as well as information and directions, please visit **www.butte.edu/maps**



Allied Health/Public Service Center	AHPS	Learning Resource Center	LRC	Swing Spaces	SSA-SSG
Arts	ARTS	Life Science	LS	Technology Education	TE
Business Education	BE	Library	LB	Welding & Manufacturing	WM
Campus Center	CC	Mechanized Agriculture	MA	Women's Locker Room	WLR
Center for Excellence	CFE	Media Center	MC	Bus Loading/Unloading	
Child Development Center	CDC	Men's Locker Room	MLR	All Gender Restrooms	
Environmental Horticulture	EH	Physical Science	PS	Adult Changing Table	AC
Facilities, Planning & Management	FPM	Public Safety Training Grounds	PSTG	Designated Smoking Areas	
Gymnasium	GYM	Regional Testing Center	RTC	Emergency Phones	
Instructional Portables	IPA–IPL	Student & Administrative Services	SAS	Parking	P
Kinesiology & Athletic Performance Center	KAPC	Student Health Clinic	SHC		