A 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 half a century 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 180 degree and certificate programs to 12,000 students a semester. We are proud to have touched the lives of over 500,000 students in our fifty year history.

Did you know:
- We offer 30 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 40 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
# Table of Contents

About Butte College.......................................................................................................................................................4

Admissions ....................................................................................................................................................................8

Enrollment Policies and Procedures............................................................................................................................10

College Fees ............................................................................................................................................................13

Financial Aid ...........................................................................................................................................................16

Student Right-to-Know ...........................................................................................................................................19

Student Services and Resources ............................................................................................................................20

Campus Life ...........................................................................................................................................................25

Campus Safety ........................................................................................................................................................26

Student Conduct .......................................................................................................................................................29

Academic Standards ...............................................................................................................................................34

Academic Regulations ...........................................................................................................................................37

Academic Programs ...............................................................................................................................................49

General Education ...............................................................................................................................................56

Course Descriptions ...........................................................................................................................................167

People/Index/Maps ...............................................................................................................................................247
Butte College serves approximately 17,000 students a year and is an accredited community college located just 75 miles north of Sacramento. Butte College offers a quality education and over 180 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 30 Associate in Arts for Transfer and Associate in Science for Transfer degrees.

The College’s 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.

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 throughout the year to develop partnerships and resources to benefit students at Butte College through scholarships, grants, and loans. 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.

Butte College - A Leader in Sustainability
The College has a long history of sustainability. Resting on 928 acres, the College is designated a wildlife refuge and serves as an outdoor laboratory for college programs. Butte College is a national leader for community colleges in sustainability due to student engagement both at the College and in the community, infusion of sustainability into the curriculum, sustainable land use management, renewable energy and energy efficiency.

Butte College has integrated sustainability in the following ways:
- 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 Campus through the use of 25,436 solar panels with a generating capacity of 4.657 megawatts;
- 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 Biofiltration Wetland Educational Living Laboratory (BWELL) Project;
- Roughly 79 percent of the waste stream is recycled;
- Butte College was ranked one of the “20 Best University Farms in America” in 2015 by Best College Reviews; and
- The Agriculture Department gained organic certification on 26 acres.

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

Accreditation

Butte College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, [https://www.accjc.org](https://www.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 [http://www.cccco.edu](http://www.cccco.edu) (916) 445-8752.

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

- Commission on Accreditation of Allied Health Education Programs [http://www.caahep.org](http://www.caahep.org) (727) 210-2350;
- California Department of Public Health [http://www.cdph.ca.gov](http://www.cdph.ca.gov) (916) 558-1784;
- Board of Registered Nursing [http://www.m.ca.gov](http://www.m.ca.gov) (916) 322-3350;
- Board of Vocational Nursing and Psychiatric Technicians [http://www.bvnpt.ca.gov](http://www.bvnpt.ca.gov) (916) 263-7800;
- Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) [http://www.coaemsp.org](http://www.coaemsp.org) (214) 703-8445;
- Commission on Accreditation for Respiratory Care [http://www.coarc.com](http://www.coarc.com) (817) 283-2835;
- Commission on Peace Officer Standards and Training [https://www.post.ca.gov](https://www.post.ca.gov) (916) 227-3909;
- Office of the State Fire Marshal [http://osfm.fire.ca.gov](http://osfm.fire.ca.gov) (916) 324-6359;
- U.S. Immigration and Customs Enforcement - Student and Exchange Visitor Program [http://www.ice.gov/sevis](http://www.ice.gov/sevis) 703) 603-3400;
- National Automotive Technician Education Foundation (NATEF) [http://www.natef.org](http://www.natef.org) (703) 669-6650;
- Honda Professional Automotive Career Training (PACT) [https://www.hondapact.com](https://www.hondapact.com)/

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 on page 33 of this catalog.

2018-2019 Academic Calendar

**Fall Semester 2018 • August 20 - December 14**

*(Dates are subject to change. See Class Schedule for specific dates.)*

Fall Class Schedule online at [www.butte.edu/schedule](http://www.butte.edu/schedule) …..February 2018

Registration appointments distributed in MyBC.............................March

Instruction begins .........................................................................March

Last day to pay fees........................................................................January 3

Drop w/o a “W” appearing on transcript .........................................January 3

Submit P/NP, Audit, and Credit by Exam petitions.........................February 21

Withdraw with a “W” w/o instructor’s signature..............................March 14

Legal Holiday .............................................................................May 17

Graduation ....................................................................................June

**Spring Semester 2019 • January 22 – May 24**

*(Dates are subject to change. See Class Schedule for specific dates.)*

Winter/Spring Class Schedule online at [www.butte.edu/schedule](http://www.butte.edu/schedule)

Registration appointments distributed in MyBC.............................October 2018

Instruction begins .........................................................................January 22

Last day to pay fees........................................................................January 18

Drop w/o a “W” appearing on transcript .........................................January 18

Submit P/NP, Audit, and Credit by Exam petitions.........................February 21

Withdraw with a “W” w/o instructor’s signature..............................March 14

Legal Holiday .............................................................................May 17

Graduation ....................................................................................June

**Summer Session 2019 • TBA**

Summer/Fall Class Schedule online at [www.butte.edu](http://www.butte.edu) …..March 2019

Deadline to apply for graduation .....................................................July 2019
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.

Butte College offers a quality education at an affordable price. With state-of-the-art facilities, small class sizes, low tuition, and one of the largest bus transportation systems for any college in the state—our college is the perfect place to start your career pathway! We offer over 180 degree and certificate programs with 30 Associate in Arts for Transfer and Associate in Science for Transfer degrees. In fact, Butte College has the highest transfer rate to CSU, Chico!

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 Center, 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.

Butte College Cosmetology and Barbering
2201 Pillsbury Road, Suite 170, Chico
(530) 895-2202 (Map to BCCB, page 260)

Butte College Cosmetology and Barbering is a new facility located in Chico and offers a 1680 hour course of study which can be completed in approximately 42 weeks. Successful completion will enable the student to meet the 1600 hour state licensing requirement and prepare them for an abundance of careers in the field. Seven six-week sessions, are offered Tuesday through Saturday, and allow students to gain the necessary hours for a certificate of achievement in cosmetology. The training received prepares students to pass the state exam, which includes written and hands-on testing.

Chico Center
2320 Forest Avenue, Chico
(530) 895-1352 (Map to Chico Center, page 260)

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, and academic, career, general, and mental health counseling, Disabled Student Programs and Services (DSPS), financial aid, job placement (by appointment), bookstore, and a café. 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, group study rooms, and assisted technology stations for DSPS students. Center for Academic Success (CAS) tutoring (computers) is also offered. The Student Life Lounge is available for a variety of student activities.

Skyway Center
2480 Notre Dame, Chico
(530) 895-2511 (Map to Skyway Center, page 260)

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).

Within the Skyway Center, the automotive program offers a shop lab with classrooms and a computer lab to offer instruction in automotive industry sustainable practices. A new high school automotive technology program has been
developed in partnership with the Butte County Regional Occupational Program (ROP) to provide career pathways for high school students.

The College’s Economic Workforce Development Program serves the business community. The Training Place offers employee training to all businesses in areas including: Business Skills, MS Office, Customer Service and Sales, Leadership, Lean Continuous Improvement, Human Resources, Information Communication Technology, Advanced Manufacturing, Job Instruction and Safety.

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.

### Glenn County Center

604 East Walker Street, Orland  
(530) 895-2429  
(Map to Glenn County Center, page 260)

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. Visit our website at [www.butte.edu/glenncenter](http://www.butte.edu/glenncenter).

Classes are held from 8 a.m. to 9:30 p.m. with classes also offered at other locations within the county. 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, semester start bookstore, and Student Life Lounge are also available for students. Center for Academic Success (CAS) tutoring, computers, and free printing is also 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 [www.countyofglenn.net/transportation](http://www.countyofglenn.net/transportation) or call 1-888-800-RIDE (7433).

### 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](http://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. Check us out on our website at [www.butte.edu/studyabroad](http://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 office of Study Abroad at (530) 895-2471.

#### Workforce Development

**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 in the Business Section at [www.butte.edu/thetrainingplace/](http://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 students who have the permission of their principal, counselor, and a parent, may be eligible for admission. Students who meet the eligibility requirements for admission must submit an Application for Admission on-line through CCC Apply or by submitting a paper application to the Office of Admissions and Records prior to registration. K-12 students must also complete and submit a Concurrent Enrollment Permission Form to the Main Campus Welcome Center. 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 been assessed for English, reading and mathematics placement levels, have completed an orientation session, and have met with a counselor to create an education plan. New College Students must complete an in-person orientation which consists of a campus tour, meeting with a counselor and developing an education plan, and registering for courses. New Transfer-In Students must complete either an in-person orientation or an online orientation. New Transfer-In Students who choose to complete an in-person orientation will register for courses during their orientation. New Transfer-In Students who choose to complete an online orientation will register online through their MyBC account and must meet with a counselor to complete an education plan during their first term of enrollment. See the Quick Guide to Butte College Admissions 6 Steps to Enrollment for details. 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 6 Steps to Enrollment 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 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: A K-12 student is under 18 and has not graduated high school. To take classes, the student must have a Concurrent Enrollment Permission Form on file by the deadline. K-12 students may not enroll in more than 11 credit units for fall and spring semesters, 10 units summer session and 4 units in winter session. For additional information please contact the Welcome Center at (530) 895-2511, or visit us at www.butte.edu/highschool.

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
6 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 you 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 attending high school and have since graduated, you are considered a new college student. (Complete Steps 1-6)

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. (Complete Steps 1-6)

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. If you are a Returning Student complete Steps 2-6. If it has been a year or more since you last attended, (Complete Steps 1-6)

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 or November. (Complete Steps 5-6)

K-12 .................................. You are a K-12 student if you are under 18 and have not graduated high school. To take classes you must have a Concurrent Enrollment Permission Form on file by the deadline. (Complete Step 1 and Steps 4-6)

1 APPLY FOR ADMISSION
Apply online at www.butte.edu. If you need an application sent to you, call (530) 895-2511.

2 APPLY FOR FINANCIAL AID
Complete the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.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 7 days. See www.butte.edu/financialaid for additional information. Also see Step 6, below.

3 REQUEST TRANSCRIPTS
Send your official transcripts from all previously attended colleges to Butte College Admissions and Records:
3536 Butte Campus Drive, Oroville, CA 95965. Allow 4-6 weeks for delivery and processing.

4 CONTACT ASSESSMENT AND SCHEDULE ORIENTATION
All New College and New Transfer-In Students are required to complete assessment prior to attending orientation. Go to www.butte.edu/assessment or call (530) 895-2511 for test scheduling and preparation information. Once you have contacted Assessment, visit the Orientation website at www.butte.edu/orientation to schedule your orientation session.
  - New College Students MUST attend an in-person orientation which consists of a campus tour, meeting with a counselor and creating an abbreviated education plan, setting up your MyBC Account, and registering for courses.
  - New Transfer-In Students MUST complete either an online orientation OR an in-person orientation.
    - If you have completed English, and/or math courses at another college or plan to enroll in a course with an established prerequisite, go to “Prerequisites” on the Assessment website or call (530) 895-2511 to request an evaluation of your transcripts.
    - New Transfer-In Students must meet with a counselor to complete an education plan during their first term of enrollment.

5 REGISTER FOR CLASSES
Registration dates and times for all students are available on page iv of the Class Schedule at www.butte.edu through the “Search for Classes” link or the Office of Admissions and Records website at www.butte.edu/admissions through the “Registration” link. After registration, all students are encouraged to:
  - Confirm their class schedule on their MyBC account through the “My Class Schedule” link.
  - Attend the first day of class to maintain enrollment.

6 PAY
Students will have 7 days from the time of registration to pay fees or they will be dropped from one or more classes. See page vii of the Class Schedule at www.butte.edu through the “Search for Classes” link or the Office of Admissions and Records website at www.butte.edu/admissions through the “7 Days to Pay” link.

Questions about Admissions, Assessment, 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 Office of Admissions and Records at the Main Campus, Chico or Glenn County Centers. Students can mail completed paper applications to: Butte College Office of Admissions and Records, 3536 Butte Campus Drive, Orville, 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 Assessment and Orientation Offices through (530) 895-2511 for information on pre-enrollment activities.

Basic Skills Assessment (BSA)

All students who attend Butte College are required to have basic skills placement levels on file prior to enrolling in classes. Placement levels are a measurement of a student’s skills in reading, English and math. These placement levels are established by completion of reading, English, and math classes in college or by the Basic Skills Assessment (BSA), unless students are determined to be exempt.

The purpose of establishing placement levels is to make a student’s college experience more successful. Most classes offered through Butte College have recommended reading and English skill levels; some classes have recommended math skill levels. With a profile of a student’s present skills, counselors can suggest courses where, with effort, academic achievement is likely. They can identify programs that will help students meet their vocational and educational goals.

Composed of multiple choice questions, the BSA lasts approximately two and one-half hours and is given at various times and locations throughout the year. There is no charge for the assessment, both walk-in and preregistration appointments are available. Results are used with other information from the student’s academic history to establish placement levels and course eligibility in reading, English and math.

Students can get a profile of their BSA results through the Assessment Center, a Butte College counselor, at the Chico and Glenn County Centers, or on the web at www.butte.edu/mybc, login and select WebAdvisor. For more information or to make an appointment, call the Assessment Center at (530) 895-2511.

Exemptions to the BSA

To be considered as an exemption from the BSA, students need to provide the necessary paperwork (see below) to the Assessment Office for evaluation and clearance. Allow a minimum of three working days for the evaluation to be completed.

1. Students who have been awarded an Associate or higher degree need to provide verification of degree. Course eligibility will be established based on the degree type.
2. Students who have completed college coursework in English and math with grades of C or better need to provide transcripts (unofficial is sufficient) or grade reports. If a freshman composition class has not been completed, the Reading Assessment will need to be taken.
3. Students who have completed placement tests at other California colleges need to provide documentation of class placement and test date. The Reading Assessment may need to be completed.
4. Students enrolling in only performance classes (e.g., drawing, etc.), activity classes (e.g., KIN, etc.) or other specified classes need to check the list of exempt classes printed in the class schedule, Butte College website or contact the Assessment Center.
5. Students enrolling in up to two non-exempt classes and do not intend to earn a degree or certificate (assessment is required for reading, English and math classes) are considered exempt.

Reading, English, ESL and Math Placement Levels and Course Eligibility

Students who wish to enroll in reading, English or math classes need qualifying eligibility prior to registering. Students establish reading, English, and math placement levels and course eligibilities by their performance on the BSA, combined with information from their academic history or by satisfactory completion (grades of P, C or better) of reading, English and math courses in college. Assessment scores used to establish eligibility for enrollment into reading, English, ESL, and math classes are valid for five years. Retesting is administered on a regular basis through the Assessment Center and the Glenn County Center.

Reading Placement Levels

There are five reading placement levels. Level I is the lowest level and Level V is the highest. Achievement of Level V meets the reading competency requirement for the Associate Degree. Students placed in Levels I, II, or III are strongly advised to enroll in the specified reading courses during their first term.

English Placement Levels

There are six English placement levels. INTRO is the lowest level and Level V is the highest. Satisfactory completion of freshman composition (ENGL 2) with a C or better establishes Level V in both English and reading. Students placed in Levels INTRO, I or II are strongly advised to enroll in the specified English course during their first term.
English as a Second Language (ESL) Placement Levels
Students who want to enroll into most English as a Second Language (ESL) classes must complete the ESL Assessment prior to registering. The ESL Assessment is administered through the Assessment Office, the Chico Center (during ESL Orientation dates), and the Glenn County Center. There are four non-Credit ESL placement levels and one Credit ESL placement level. Level INTRO is the lowest level and Level III is the highest non-Credit ESL level. Level IV is the only Credit ESL level. Students attain ESL placement levels by their performance on the ESL Assessment, combined with their educational background, or by satisfactory completion (grades of P) of ESL courses. Credit ESL courses numbered as “200” series courses earn units and incur fees needing to be paid within 7 days of enrolling. Non-Credit ESL courses numbered as “300” series courses incur neither fees nor earn units. ESL 310 does not require assessment. ESL faculty recommend that students placing into Credit ESL courses (Level IV) enroll concurrently into ESL 252, 254, 256 and 258 during the same term.

Math Placement Levels
There are five math placement levels. Level II is the lowest level and Level V is the highest. Courses offered within Level V have transfer status. There are several levels of course eligibility within Level V. Students placed into Level II are strongly recommended to enroll into the specified math courses during their first term. Students attain math placement levels by their performance on one of three math assessments, Pre-Algebra, Algebra, or College Algebra. Math courses used to establish placement levels must be completed in college.

START Program (Assessment, 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 (assessment is required for reading, English, and math). Presented by Student Services, the Student Access, Retention and Transition (START) Program provides new students with the information and support they need to enroll into college. Assessment and Orientation Offices 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.
3. Are enrolling in one or two non-exempt classes and do not intend to obtain a certificate or degree (Assessment is required for reading, English and math classes). Call (530) 895-2511 for enrollment information.

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 through the “Search for Classes” link or the Office of Admissions and Records website at www.butte.edu/admissions through the “Registration” link. All New College Students and New Transfer-In Students who choose to attend an in-person orientation register during their orientation session. New Transfer-In Students who choose to complete an online orientation, 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 MyBC 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, Assessment, and work with a counselor to create an Educational Plan.

Students register online through their MyBC accounts. New Students receive usernames, passwords and instruction for accessing and using their MyBC 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 MyBC 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 sign add cards according to waitlist rankings. Students who are still on a waitlist when a class begins should attend the first day of the class with an add card to obtain instructor approval to enroll. Students must present signed add cards to the Office of Admissions and Records 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 Cancelled Classes
Students may find some courses may be closed without a waitlist option or cancelled 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 MyBC 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# 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, 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 date of the first census. Students can find detailed information on residency requirements, including California Education Code and Title 5 references, in Butte College Board Policy 5015 at: http://www.butte.edu/community/getting_involved/contacts/trustees/policies.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 of 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. Students may be exempt from assessment for English, reading, and/or mathematics if their prior course work meets the necessary criteria. 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. Transcript request forms are available at the Office of Admissions and Records. Students should contact the Assessment Office if they would like their transcript evaluated for placement purposes. Instructions on how to have transcripts sent to other institutions from Butte College are available online at www.butte.edu/admissions/transcripts.html.

California Community Colleges continue to be the primary entry point for those seeking to master basic skills, 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 or exemption status in MyBC. For complete details about these changes and how they may affect you please refer to the information at the following link, 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 on a wait list should check their Butte College email daily to avoid being dropped for non-payment. Students can check their waitlist ranking on their MyBC account through the “Manage my Waitlist” link.

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% 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 or MasterCard, or check card. Have the credit card number and expiration date ready to give to the operator.

Online - Pay your fees through your MyBC 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 MyBC 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 through the “Search for Classes” link. 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 Cancelled,” a refund of pertinent fees will be granted to the student. The $10 refund processing fee is not assessed for cancelled 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 address of record.

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 of 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.
## 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Resident</td>
<td>$46 per unit</td>
</tr>
<tr>
<td>Nonresident</td>
<td>$234 per unit</td>
</tr>
<tr>
<td>International Student</td>
<td>$234 per unit</td>
</tr>
</tbody>
</table>

*See Residency Requirements in this catalog.
Nonresident students pay regular enrollment and service fees in addition to the nonresident fees.

### Service Fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Fee</td>
<td>$73 per semester</td>
</tr>
<tr>
<td>Students enrolled in 6+</td>
<td></td>
</tr>
<tr>
<td>units</td>
<td></td>
</tr>
<tr>
<td>Students enrolled in 1.1-5.9 units</td>
<td>$55 per semester</td>
</tr>
<tr>
<td>Students enrolled in .1-1 unit</td>
<td>$20 per semester</td>
</tr>
<tr>
<td>Summer Session</td>
<td>$37 per session</td>
</tr>
<tr>
<td>(Not charged for winter session)</td>
<td></td>
</tr>
</tbody>
</table>

### Health Services Fee

- **Fall/Spring Semesters**: $19 per semester
- **Summer Session**: $16 per session

*(Not charged for winter session)*

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

### Student Activities Fee

- **Fee includes Student Activity Card**: $18 per semester
- **Not charged for winter or summer**

*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.*

### Student Rep Fee

- **Mandatory**: $2 per semester

*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)*

### Student Records Fees

<table>
<thead>
<tr>
<th>Fee</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Replacement Degree Fee</td>
<td>$10 per degree</td>
</tr>
<tr>
<td>For all students who request a replacement for a degree previously issued.</td>
<td></td>
</tr>
<tr>
<td>Transcripts/Enrollment Verification</td>
<td>Two copies free</td>
</tr>
<tr>
<td>Subsequent transcripts and enrollment verifications</td>
<td>$8</td>
</tr>
<tr>
<td>Online transcript requests</td>
<td>$8 + $2.40</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$20 per semester/session</td>
</tr>
<tr>
<td>(regardless of unit load)</td>
<td></td>
</tr>
</tbody>
</table>

*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.*

### Materials, Supplies, and Equipment Fees

- **Course Audit Fee**: $15 per unit
  - 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.

### 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 2018-2019 academic year.
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 of Instruction for review. The Vice President of Instruction notes the fees in the Semester Class Schedule.

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 web pages at www.butte.edu/financialaid are 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.fafsa.ed.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 www.csac.ca.gov/dream_act.asp.

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 web site at www.butte.edu/financialaid, or call (530) 895-2311. Another excellent resource is the Federal Student Aid website, available at 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 (formerly Board of Governors Fee Waiver): 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) 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 “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. Also, see additional information provided in following catalog section.
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 (formerly Board of Governors Fee Waiver (BOGFW))
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.fafsa.ed.gov. Undocumented AB 540 students will be considered for the Promise Grant by submitting the California Dream Application at www.dream.csac.ca.gov/dream_act.asp. Students who do not file either may access a PDF version of the Promise Grant application at www.butte.edu/financialaid. Click on “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 web site at www.butte.edu/financialaid. Click on “Promise Grant” under Types of Aid tab at top of page.

Butte College Promise Scholarship Program
The Butte College Promise Scholarship Program offers up to one academic year 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 two semesters of the students first academic year 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% is needed to meet PACE
For 18+ units completed, 66.66% 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 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 a 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) require 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.

EXCESS UNITS: 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 frame requirements may submit an Excess Units Petition, printable at www.butte.edu/financialaid. From the Forms & Links tab, click on Forms & Appeals for the appropriate year. Students who are failing to meet GPA and Pace standards will not be approved for an Excess Units Petition.

In order to maintain financial aid eligibility, if an Excess Units Petition is approved, the student may take courses only on that petition and may not amend the petition 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 Excess Units Petition

Students who do not make SAP while on Financial Aid Probation or Excess Units Petition 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%.

Reinstatement will not be automatic and will be reviewed on a case-by-case basis.
Repeate 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 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, cancelled, 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 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 Butte College to make available to all current or prospective students the completion and transfer rates of certificate, degree, or transfer-seeking first-time, full-time students entering the college, beginning in Fall, 2014 and annually thereafter.

Based upon the cohort defined above, 31.28 percent attained a certificate, degree, or became “transfer-prepared” during a three-year period (Fall 2014 to Spring 2017).

Based upon the cohort defined above, 9.95 percent transferred to another postsecondary institution (CSU, UC, or another California Community College) prior to attaining a degree, certificate, or becoming “transfer-prepared” during a five semester period (Spring 2015 to Spring 2017).

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.
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.

Office of Admissions and Records
(530) 895-2361 - located in SAS, first floor
This Office of Admissions and Records provides a variety of services to students, faculty, and administration. The Office of Admissions and Records helps students with application submission, residency determination, course registration, fee payment, official transcript and enrollment verification transmittals, transfer credit evaluation and degree conferment. The Office of Admissions and Records assists faculty with census and grade reporting. Administration uses the information the Office of Admissions and Records 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) 865-9728, for information on hours of operation.

Assessment Center
(530) 895-2511 - located in SAS, first floor
This office provides students with an assessment of their basic educational skills and establishes their course placement levels, necessary for most students prior to enrollment. The Assessment Center administers the Basic Skills Assessment (BSA) test, held throughout the year at various times and locations, and maintains the Exempt Class List, which lists courses exempt from the START and/or BSA requirements. Evaluations of test scores and transcripts from other colleges that are to be used for placement purposes are also conducted by this office. Visit Assessment online at www.butte.edu/assessment. For fee based proctoring services, see Regional Testing Services.

Bookstore
www.buttecollegebookstore.com
(530) 895-2331 - located in the Campus Center, lower level
(530) 879-4370 - Chico Bookstore
Textbooks for college courses are sold through the campus Bookstore, which also sells academic supplies, clothing, gifts, greeting cards, snack foods and other items. Check out the bookstore’s textbook rental program! The Main Campus bookstore is open Monday through Thursday, 7:30 a.m. to 5 p.m., Friday, 7:30 a.m. to 12 p.m., but for student convenience maintains special extended hours during the first two weeks of the semester.

Visit the bookstore’s website, www.buttecollegebookstore.com. 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. Textbooks may also be purchased at the Glenn County Center in Orland and at our bookstore located in the Chico Center on Forest Avenue in Chico. 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. Visit the Bookstore on the web at www.buttecollegebookstore.com.

Bus Transportation
(530) 895-2352 - Buses load and drop off in front of the SAS building
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 at www.butte.edu/bus. 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 and be accompanied by an adult.

Butte College Dining Services
Campus Dining Center (530) 895-2327 - located in the Campus Center, main level
Main Dining
• Breakfast and lunch meals cooked to order from our Grill
• A variety of menu options from our lunch time Daily Specials - Sushi too!
• Fresh baked pizza from our 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!

Coffee Stop - campus center lower level
• Coffee, pastries, sodas and grab ‘n go choices

Roadrunner Outpost - science building quad
• Café service, coffee, soda, sandwiches and more

Chico Center Café
• Café service, coffee, soda, sandwiches and more
CalWORKs/TANF
(530) 895-2340 - located in SAS 210
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 Career & Employment Services at (530) 895-2340. For information on ButteWORKs, contact the Job Placement Office at (530) 895-2334.

Career Counseling
(530) 895-2340 - located in SAS 210
Career Counseling offers a variety of career-related services and activities. Services include career counseling, career planning workshops, vocational assessments, major, college and labor market information.

Career Counseling is available on the Main Campus and at the Chico and Glenn County Centers by appointment. Call (530) 895-2340 for an appointment and information.

Center for Academic Success (CAS)
(530) 895-2386, www.butte.edu/cas - located in the Learning Resource Center (main campus), CHC 230 (Chico Center), and GCC 105 (Glenn County Center)
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).

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, MyBC, 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. Contact Miya Clark (clarkmi@butte.edu) for more information about NetTutor.

Cooperative Agencies Resources for Education (CARE)
(530) 895-2555 - located in the EOPS Office, SAS 281
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 - located in SAS, first floor
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 some form of Basic Skills Assessment be completed before 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.

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

(530) 895-2455 / (530) 895-2308 (TDD) - located in SAS 238

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 - located in SAS 281

EOPS provides a comprehensive array of services to first generation, low income, and under-represented students. These services include (as funds permit) personal, academic and career counseling; priority registration; book assistance; a textbook lending library; a computer lab; a calculator and tape 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 - located in SAS 160, first floor

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 at www.butte.edu/financialaid. The application is the FAFSA. See www.fafsa.ed.gov. Complete details are under Financial Aid in the Catalog.

**Foster Kinship Care Education Program**

(530) 897-6235 - Skyway Center, 2480 Notre Dame, Chico

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.

**Job Placement, Cooperative Education Office, Work Experience**

(530) 895-2334 - located in SAS 258

The Job Placement and Cooperative Education Office provides services to help students get jobs. Job Placement assists with part-time, temporary, on-campus, internships and full-time jobs. Check the job board, either on campus or on-line, for new local jobs daily. Job Placement focuses on career-related jobs when possible, and offer workshops and individual assistance with résumé writing, cover letter writing, interview preparation and the job application process. 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.

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. Enrollment in Career Work Experience is limited to students who have received the approval of an instructor in the student's major.

Students new to the workforce or who are in jobs which are not directly related to their major 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.

Interested students may pick up a Work Experience enrollment packet in the Job Placement Office.

**Library**

(530) 879-4017 - located on the Main Campus

Monday - Thursday, 7:30 a.m. to 5:50 p.m., Friday 7:30 a.m. to 11:50 a.m.  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, 45,000 eBooks, and 60 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, workshops, 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 – Chico Center, Rm 219
Monday - Thursday, 7:30 a.m. to 9:30 p.m., Friday, 7:30 a.m. to 12 p.m.
www.butte.edu/library

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 pick up. Faculty can request DVDs for their classes.

Reference librarians provide library instruction, workshops, and reference services Monday through Thursday, 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.

Orientation Office and START
(530) 895-2416 - located in the Welcome Center, SAS, first floor
All new and new transfer-in students to Butte College are required to participate in pre-enrollment activities before they are allowed to register. The Student Access, Retention and Transition (START) Program provides new students with the information and support necessary to insure a smooth and successful transition into Butte College. Appointments for orientation are scheduled online at www.butte.edu/orientation or through the Orientation Office prior to each semester. New and new transfer-in students who enroll in courses after the last available START date should contact the Orientation Office for a list of available orientation options. Only students who complete Orientation, the Basic Skills Assessment, and pre-enrollment counseling and advising will be allowed to register for more than two non-exempt courses.

Regional Testing Center
(530) 879-4318 - Located in RTC, near parking lot 3C

The new 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

See Assessment Center for Basic Skills Assessment (BSA) information. Visit us online at www.butte.edu/RTC.

Safe Place and Wellness Program
(530) 879-6185 - Swing Space A, safeplace@butte.edu
www.butte.edu/safeplace or find us on Facebook

Safe Place & Wellness Program (SP&WP) is an on-campus, inclusive resource that provides support and advocacy services to students who have experienced sexual assault, relationship violence, or stalking incidents. These services are free and confidential. SP&WP staff is available to assist students who may need the following services:
- Crisis intervention
- Academic adjustments, including absence notifications, processing incompletes and changing class schedules.
- Advocacy and support during any campus disciplinary investigation.
- Advocacy and support during any law enforcement investigation.
- Assistance in obtaining no-contact directives through the college or protective orders through the local court systems.

In addition SP&WP implements in class educational programming that focuses on Bystander Intervention, as well as aims to end these forms of power-based personal violence by engaging the campus community in education, programming, and transformative action. We offer activities that focus on wellbeing and mental health stigma reduction.

If you are in crisis or would just like to talk to someone, please schedule an appointment by calling or stopping by the office. Safe Place office hours are Monday – Thursday, 7:30 a.m. - 5 p.m., Fridays, 8 a.m. - 12 p.m.

Student Health Center (SHC)
(530) 895-2441 - located north of the ARTS building, in parking lot 3C
www.butte.edu/shc/ OR IS IT: www.butte.edu/shwc/

The Student Health Center (SHC) helps students get well, stay well, and remain in school, so that they can successfully meet their academic and personal goals. 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. In addition to treating medical needs, the services also include immunizations, screening and treatment for tuberculosis, diabetes, blood borne diseases and illnesses, cardiovascular conditions, obesity, and substance use disorders.
Student Services and Resources

The Student Health Center 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. The center also performs physical examinations for DMV ambulance, commercial truck or bus drivers and pre-admission physicals for all Butte College programs.

The SHC helps students get enrolled in an insurance plan through the Affordable Care Act or optional, self-purchase medical and dental student insurance plans through private insurance companies. Information and assistance are available in the SHC lobby or by request. Claims involving accidents and injuries that occur on campus or during college sponsored activities must be filed through the Student Health Center.

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 12 p.m. on Friday. Walk in services are available Wednesdays and Fridays from 8 a.m. to 10:30 a.m. Patient medical needs and therapy sessions are confidential.

Student Success Services
(530) 879-6260 • SAS 258, 2nd floor
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 in identifying and utilizing resources to be successful in their academic success at Butte College. Students may refer themselves for services or be referred by faculty and/or staff. Students may also be referred through the College’s Early Alert Service.

The Transfer Counseling Center (TCC)
(530) 895-2264 - located in SAS 258

Did you know that public California universities (CSUs and UCs) require that admission applications be electronically submitted nearly a year prior to transferring? Did you know that nearly 1/3 of California Community College students transfer to private or out-of-state schools? Did you know that Butte now offers 30 Associate Degrees for Transfer (ADTs)?

The completion of an ADT will make students a higher priority for transfer and may allow them to get an increase in their GPA for transfer.

The TCC strives to make your transfer to the college or university system as smooth and seamless as possible.

Some of the 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
- Associate Degrees for Transfer (ADTs)
- IGETC Certification
- Common Application assistance
- Cross Enrollment (with Chico State only)
- On-Line Advising

The TCC also hosts an annual Transfer Day Fair each fall. Transfer Day attracts representatives from over 25 public, private and out-of-state college and universities. The TCC hosts visits from campus representatives throughout the year. College Representatives are available to meet with students to discuss admission requirements, major-specific questions, information about housing, financial aid, etc.

The TCC offers specialized services for University of California, out-of-state and private school transfers through the new Transfer Academy. The Transfer Academy provides workshops, presentations, same day appointments, advising for Transfer Admission Guarantees (TAGs) and application assistance for its members. In addition, the Transfer Academy hosts UC representatives who come to our campus once a week to meet individually with transfer students.

Whether you plan to transfer to a CSU, UC, private college, or an out-of-state university, the Transfer Counseling Center is here to help you! Check out the Programs and Services links on our homepage to see the various workshops and initiatives with CSUs and UCs that can make you a priority for admission. Stop by and set up an appointment with a Transfer Counselor today! For more information call (530) 895-2264.

Stop by our office (SAS 258—2nd floor) for current workshop schedules. You can also check out our Facebook page or Transfer Counseling Center website at: http://www.butte.edu/transfer/.

Office of Veterans Services
(530) 895-2566 - located in SSC

The Butte College Office of Veterans Services works closely with the college to create a campus that is safe, friendly, and accommodating to our 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 at (530) 895-2566 as soon as they plan to enroll.

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

www.butte.edu/veteransservices for additional information.
Campus Life

Welcome Center
(530) 895-2511 - located in SAS, first floor
The Welcome Center, in partnership with Campus Information, Info Cube, Orientation, School Relations, and Recruitment and Outreach offices, assists people with information regarding Butte College. Assistance is provided by phone or in person.

Information and Services found within the Welcome Center:
- Butte College Information Packets
- Campus Maps
- Campus Tours
- School Relations including Concurrent Enrollment
- Fax Services (for a fee)
- Information regarding other housing options
- Information regarding Craig Hall (private dorm)
- Late starting classes information
- Lost and found inquiries

Located in the Welcome Center, the Campus Information Office is open Monday through Thursday, 8 a.m. to 5 p.m., and Fridays, 8 a.m. to 12 p.m. During summer months, the office is open Monday through Thursday, 7 a.m. to 5 p.m., and closed Fridays.

Campus Clubs
There are many student clubs on campus representing diverse 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 applications, event updates, Interclub Council information, and forms for all your club needs can be found in the Student Life Office in the Campus Center, first floor. New clubs are formed every semester, a current list can be found at www.butte.edu/clubs.

If you would like to join or start a club or for general club information, contact the Student Life Office at (530) 895-2391.

Catalog and Schedules
The catalog and semester class schedules are available online at www.butte.edu/catalog and www.butte.edu/schedule.

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.

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.
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 intercollegiate speech and debate tournaments and/or 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. 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 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

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
- Diversity Days ................................................ April
- Earth Day Celebration ................................. April
- Club Challenge ........................................... May
- 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 hand railings, 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 3522 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. Campus 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 and the Skyway 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 rear view 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. a. Register your vehicle at Facilities Planning and Management Office as a carpool vehicle.

b. Display a valid Butte College carpool parking permit on your vehicle. The permit must be hung from the rear view mirror so that it can be viewed from the rear of the vehicle.

c. Arrive on 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: a. A written warning

b. A written citation

c. Impounding of equipment
Campus Safety

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, can be viewed in full online at www.butte.edu/safety-security.


<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Murder &amp; Non-negligent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manslaughter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negligent Manslaughter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sex Offenses: Forcible</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forcible</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sex Offenses: Forcible-Non</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sexual Assault</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R ape</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F o nding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incest</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statutory Rape</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robbery</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D ating Violence</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic Violence</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stalking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aggravated Assault</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Burglary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arson</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Vehicle Theft</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crime totals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Arrests/Referrals for Selected Offenses

<table>
<thead>
<tr>
<th>Offenses Type</th>
<th>On Campus</th>
<th>Public Property</th>
<th>Non-Campus Property</th>
<th>Crime Classification Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquor Law Violations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arre st</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Referral</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Drug Law Violations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arre st</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Referral</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Weapons Possession</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arre st</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Referral</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hate Crimes</th>
<th>On Campus</th>
<th>Public Property</th>
<th>Non-Campus Property</th>
<th>Crime Classification Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>as Defined by the UCR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bias (Gender Identity)</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>bias (National Origin)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Definitions of Clery Act Crimes and Hate Crimes can be found at www.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 Butte College 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:
1. Report all criminal activity and/or suspicious circumstances to the College Police Department.
2. Protect personal property as if it were money.
3. Mark personal property such as tape recorders, calculators, radios, etc., with some identification, such as Butte College I.D. number or driver’s license number.
4. Do not walk alone at night if at all possible.
5. Do not leave books, jewelry, purses, wallets, backpacks, or other valuables unattended for any length of time.
6. 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 from on Campus Office Phone: 2351 or COPS (2677)
- From Pay/Cell Phones: (530) 895-2351
- Use one of several Fire/Police Emergency red 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 on the west side of campus. 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

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.

Student Rights and Privileges

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.

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 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. All grievances will be presented to the office of the Vice President for Student Services, Campus Center (CC), Room 141, (530) 895-2239.

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 for that department. 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.

**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.

**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 surrounding 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 Vice President of 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 VP of Student Services for assistance.
- Threats by a faculty member should be reported immediately to Butte College Police Department and the Vice President of 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 VP of 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, www.butte.edu/fpm/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, www.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.

Definition of Sexual Consent

Sexual activity requires consent, which is defined as positive, unambiguous, and voluntary agreement to engage in specific sexual activity throughout a sexual encounter. Consent cannot be inferred from the absence of a “no”; a clear “yes,” verbal or otherwise, is necessary. Consent to some sexual acts does not constitute consent to others, nor does past consent to a given act constitute present or future consent. Consent must be ongoing throughout a sexual encounter and can be revoked at any time.

Consent cannot be obtained by threat, coercion, or force. Agreement under such circumstances does not constitute consent.

Consent cannot be obtained from someone who is asleep or otherwise mentally or physically incapacitated, whether due to alcohol, drugs, or some other condition. A person is mentally or physically incapacitated when that person lacks the ability to make or act on considered decisions to engage in sexual activity. Engaging in sexual activity with a person whom you know — or reasonably should know — to be incapacitated constitutes sexual misconduct.

Guidance Regarding Sexual Consent

Consent can only be accurately gauged through direct communication about the decision to engage in sexual activity. Presumptions based upon contextual factors (such as clothing, alcohol consumption, or dancing) are unwarranted, and should not be considered as evidence for consent.

The Affirmative Consent Standard YES MEANS YES “states that the person who initiates sexual contact must receive a VERBAL YES (affirmative consent) from the other person before engaging in any sexual activity, and the consent must be ongoing throughout the encounter.

The Affirmative Consent Standard makes it clear that it is the responsibility of the person who initiates sexual contact to make sure they have the VERBAL CONSENT of the other person. Under the Affirmative Consent Standard, silence is NOT a “yes.”

Talking with sexual partners about desires and limits may seem awkward, but it serves as the basis for positive sexual experiences shaped by mutual willingness and respect.

Sexual Assault Procedure

Sexual assault, a felony under the law, will not be tolerated by Butte College. Sexual assault includes rape, acquaintance rape, and sexual battery. The campus will promptly investigate all allegations of sexual assault and take appropriate action where required. The following information summarizes Butte College’s Sexual Assault Policy Statement and can be found at, www.butte.edu/sa.

Definitions of Sexual Assault

1. Rape is defined in Section 261 of the California Penal Code as nonconsensual sexual intercourse. It may involve the use or threat of force, violence, retaliation, or immediate bodily injury. Rape also occurs when the victim is incapable of giving legal consent, for example, when: a) the victim has a mental disorder, or is developmentally or physically disabled; or b) the victim is prevented from resisting the assault due to intoxicating substances (e.g. alcohol or drugs); or c) the victim is unconscious of the nature of the act and is known to the accused. Consent is defined as positive cooperation in an act or attitude pursuant to an exercise of free will; the person must act freely and voluntarily and have knowledge of the nature of the act or transaction involved.

2. Acquaintance rape follows the same definition but is committed by someone the victim knows.

3. Sexual battery is defined in Section 243.4 of the California Penal Code as the touching of an intimate part of another person, if the touching is against the will of the person touched, for the purpose of sexual arousal, sexual gratification, or sexual assault. Assault with intent to commit a sexual battery is defined as an unlawful attempt, coupled with the present ability, to commit a violent injury (e.g. rape) on the person of another.

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 Center.................................(Confidential) (530) 895-2441

To Report Sexual Misconduct Contact
Title IX Coordinator........................................ (530) 893-7487
Human Resources........................................ (530) 895-2400
Community: Rape Crisis Intervention 24 hour crisis line
(Collect calls accepted) (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 initiate disciplinary action against a student, you need to report the incident to the Vice President for Student Services. The process is governed by Board Policy 5500. Students charged with sexual assault are entitled to a disciplinary hearing based on the principle of due process. The accused must be notified of the charges and provided with an opportunity to present their defense.

**Student Disciplinary Action**

To initiate disciplinary action against a student, you need to report the incident to the Vice President for Student Services. If the survivor so requests, a same gender investigator will be provided whenever possible. Butte College’s disciplinary process is governed by Board Policy 5500. Students charged with sexual assault are entitled to a disciplinary hearing based on the principle of due process. The accused must be notified of the charges and provided with an opportunity to present their defense.

**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 in all of the inner 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 have input 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:
Stephanie Jimenez
Interim Title IX Coordinator & Compliance Officer
Student Administrative Services (SAS) Building 249
530-893-7487; jJimenezst@butte.edu
Chris Little
Executive Director-Human Resources
Student Administrative Services (SAS) 344
530-879-4052; littlech@butte.edu
Allen Renville
Vice President for Student Services/ADA/504 Coordinator
Campus Center (CC) 141
530-893-7501; renvileal@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
Mail Box 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:
http://www.butte.edu/dspss/. Students may also contact the DSPS Office at (530) 895-2455 for additional information or assistance. The ADA Student Coordinator for Butte College is Allen Renville, Vice President for Student Services, Campus Center, Room 141, (530) 895-2239. An employee who is otherwise qualified may request an 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.
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 basic educational skills and 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:
1. It is determined that the course is equivalent to a Butte College course listed in that area; or
2. 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 are available through students’ MyBC accounts. Transcripts are released and forwarded by the Office of Admissions and Records only upon written request by the student. Transcripts to educational institutions are sent directly to the institution. Transcripts may be mailed directly to students. Up to two copies shall be furnished free of charge. The College charges a fee for each subsequent copy and any copy provided “on-demand.”

Withholding Grades, Transcripts, Certificates, and Diplomas
Any student who has a financial obligation to the College shall have their grades, transcripts, certificate or diploma withheld, and their enrollment into subsequent terms restricted. These documents and restrictions are released from the prescribed restrictions when 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:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Grade Point Value</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>Good</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>Passing, not satisfactory</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>Failing</td>
</tr>
<tr>
<td>FW</td>
<td>0</td>
<td>Failing, ceased participating</td>
</tr>
</tbody>
</table>

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 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 evalutative 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:
1. The instructor must be consulted to determine if the appropriate grade(s) were issued.
2. 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:
   a. Identify the term, control number, course name, course number, and instructor.
   b. State the action requested; i.e., change a grade of C to an A, change an I to a grade of C.
   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.
3. Final appeal rests with the Vice President of 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 is comprised 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 two years have 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. Past work must impair the student’s progress toward a legitimate educational or specific career goal. Documentation of these goals must be provided.
   Examples may include, but are not limited to the following:
   a. Cumulative GPA is below a 2.00
   b. Cumulative GPA is necessary to enter a specific program
   c. Cumulative GPA is necessary for specific career goal;
5. Work to be eliminated is not reflective of the student’s demonstrated ability.

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. Documentation of these issues is required. A maximum of 20 semester units from any college or university may be alleviated.
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 in a regular manner, 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 signed add card.
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 matter 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 "serious and compelling" reasons (see definition below), and obtain the signature of the course instructor. After the instructor’s signature has been obtained, the completed withdrawal card must be submitted to the Office of Admissions and Records for processing. The late withdrawal is then granted. The date the student submits the card to the Office of Admissions and Records is the official date of withdrawal.

"Serious and Compelling Reasons"
The following may reasonably be defined as “serious and compelling”
1. 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;
2. 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;
3. 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;
4. 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”
1. Grade anticipated in class not sufficiently high or student is doing failing work;
2. Failure to attend class, complete assignments or take a test;
3. Dissatisfaction with course material, instructional method or instructor;
4. Class is harder than expected;
5. Pressure of other classes, participation in social activities, or simple lack of motivation;
6. 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 and drop card.

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%).
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% 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% 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% of units attempted each semester.
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.
Academic Regulations

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 web page available at www.butt.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 of 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 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 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.
### 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 Assessment Center (no hand carried copies will 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.

#### AP Exam

<table>
<thead>
<tr>
<th>BUTTE COLLEGE CERTIFICATION</th>
<th>CSU GE CERTIFICATION</th>
<th>IGETC CERTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AP Exam</strong></td>
<td><strong>Butte GE Area &amp; Course (See note above)</strong></td>
<td><strong>Semester Units</strong></td>
</tr>
<tr>
<td>Art History</td>
<td>Area C ART 2; ART 4</td>
<td>6</td>
</tr>
<tr>
<td>Studio Art - 2D Design</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Studio Art - 3D Design</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Studio Art Drawing</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Studio Art Limitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Area A BIOL 1</td>
<td>6</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>Area E Score 3=Area E (Clear for Math 30) Score 4, 5=MATH 30</td>
<td>3</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>Area E Score 3=MATH 30 Score 4, 5=MATH 31</td>
<td>5</td>
</tr>
<tr>
<td>Calculus Exam Limitations</td>
<td>Only one exam may be applied</td>
<td></td>
</tr>
<tr>
<td>Chemistry (Includes Lab)</td>
<td>Area A Score 3, 4=Area A Score 5=CHM 1</td>
<td>6</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>Area C CHIN 2</td>
<td>6</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>Area E</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>Area E</td>
<td>6</td>
</tr>
<tr>
<td>Computer Science Principles</td>
<td>N/A</td>
<td>6 elective units</td>
</tr>
<tr>
<td>Computer Science Exam Limitations</td>
<td>Only one exam may be applied</td>
<td></td>
</tr>
<tr>
<td>Economics - Macroeconomics</td>
<td>Area B ECON 2</td>
<td>3</td>
</tr>
<tr>
<td>Economics – Microeconomics</td>
<td>Area B ECON 4</td>
<td>3</td>
</tr>
<tr>
<td>English - Language &amp; Composition</td>
<td>Area D ENGL 2</td>
<td>6</td>
</tr>
<tr>
<td>English - Literature &amp; Composition</td>
<td>Area C &amp; D ENGL 2 &amp; 4</td>
<td>6</td>
</tr>
<tr>
<td>English Exam Limitations</td>
<td>Maximum 9 units if both AP English tests are passed</td>
<td></td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Area A PSC 10</td>
<td>4</td>
</tr>
</tbody>
</table>
### Advanced Placement (AP) Test Scores (Continued)

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>BUTTE COLLEGE CERTIFICATION</th>
<th>CSU GE CERTIFICATION</th>
<th>IGETC CERTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Butte GE Area &amp; Course (See note above)</td>
<td>Semester Units</td>
<td>CSU GE Area</td>
</tr>
<tr>
<td>French Language</td>
<td>Area C</td>
<td>FREN 2</td>
<td>6</td>
</tr>
<tr>
<td>French Literature</td>
<td>Area C</td>
<td>6</td>
<td>Only 3 GE units</td>
</tr>
<tr>
<td>French Exam Limitations</td>
<td></td>
<td></td>
<td>Only one exam may be applied</td>
</tr>
<tr>
<td>German Language</td>
<td>Area C</td>
<td>GERM 2</td>
<td>6</td>
</tr>
<tr>
<td>German Language &amp; Culture</td>
<td>Area C</td>
<td>GERM 2</td>
<td>6</td>
</tr>
<tr>
<td>German Exam Limitations</td>
<td></td>
<td></td>
<td>Only one exam may be applied</td>
</tr>
<tr>
<td>Government &amp; Politics - Comparative</td>
<td>Area B</td>
<td>POS 3</td>
<td>3</td>
</tr>
<tr>
<td>Government &amp; Politics - U.S.</td>
<td>Area B</td>
<td>POS 2</td>
<td>3</td>
</tr>
<tr>
<td>History – European</td>
<td>Area B or C</td>
<td>6</td>
<td>Only 3 GE units</td>
</tr>
<tr>
<td>History – U.S.</td>
<td>Area B or C</td>
<td>HIST 8</td>
<td>6</td>
</tr>
<tr>
<td>History – World</td>
<td>Area B or C</td>
<td>HIST 5</td>
<td>6</td>
</tr>
<tr>
<td>Human Geography</td>
<td>Area B</td>
<td>GEOG 4</td>
<td>3</td>
</tr>
<tr>
<td>Italian Language &amp; Culture</td>
<td>Area C</td>
<td>ITAL 2</td>
<td>6</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture</td>
<td>Area C</td>
<td>JPN 2</td>
<td>6</td>
</tr>
<tr>
<td>Latin – Vergil</td>
<td>Area C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Latin – Literature</td>
<td>Area C</td>
<td>6</td>
<td>Only 3 GE units</td>
</tr>
<tr>
<td>Music Theory</td>
<td>Area C</td>
<td>MUS 10</td>
<td>6</td>
</tr>
<tr>
<td>Physics B</td>
<td>Area A</td>
<td>6</td>
<td>Only 4 GE units</td>
</tr>
<tr>
<td>Physics C – Mechanics</td>
<td>Area A</td>
<td>PHYS 21</td>
<td>4</td>
</tr>
<tr>
<td>Physics C – Electricity &amp; Magnetism</td>
<td>Area A</td>
<td>4</td>
<td>B1 and B3</td>
</tr>
<tr>
<td>Physics 1 (includes lab)</td>
<td>Area A; PHYS 21</td>
<td>4</td>
<td>B1 and B3</td>
</tr>
<tr>
<td>Physics 2 (includes lab)</td>
<td>Area A; PHYS 22</td>
<td>4</td>
<td>B1 and B3</td>
</tr>
<tr>
<td>Physics Exam Limitations</td>
<td></td>
<td></td>
<td>Only one exam may be applied</td>
</tr>
<tr>
<td>*Maximum 4 semester units toward GE and 6 semester units towards transfer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum 8 quarter/5.3 semester units for both</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>Area B; PSY 1</td>
<td>3</td>
<td>D9</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>Area C</td>
<td>SPAN 2</td>
<td>6</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>Area C</td>
<td>SPAN 2</td>
<td>6</td>
</tr>
<tr>
<td>Spanish Exam Limitations</td>
<td></td>
<td></td>
<td>Only one exam may be applied</td>
</tr>
<tr>
<td>Statistics</td>
<td>Area E; Math 18</td>
<td>3</td>
<td>B4</td>
</tr>
</tbody>
</table>
International Baccalaureate (IB) Test Scores

- Use of IB Test Scores for Butte College Credit and GE determined by BC policy. Use of IB Test Scores for IGETC determined by BC and IGETC Policy.
- Use of IB Test Scores for CSU GE Certification determined by CSU Policy.
- Students may earn credit for International Baccalaureate (IB) Tests with scores of "5", "6" or "7"; All "Units" are semester units. Students must have Official IB exam results to the Assessment Center (hand carried copies will not be accepted for use on the A.A. or GE patterns. Scores of "4" on the Theater, Mathematics and Language exams give credit.
- Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.

<table>
<thead>
<tr>
<th>IB Exam</th>
<th>BUTTE COLLEGE CERTIFICATION</th>
<th>CSU GE CERTIFICATION</th>
<th>IGETC CERTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Butte GE Area (See note above)</td>
<td>Semester Units</td>
<td>CSU GE Area</td>
</tr>
<tr>
<td>Biology HL</td>
<td>Area A</td>
<td>6</td>
<td>B2</td>
</tr>
<tr>
<td>Chemistry HL</td>
<td>Area A</td>
<td>6</td>
<td>B1</td>
</tr>
<tr>
<td>Economics HL</td>
<td>Area B</td>
<td>6</td>
<td>D</td>
</tr>
<tr>
<td>Geography HL</td>
<td>Area B</td>
<td>6</td>
<td>D</td>
</tr>
<tr>
<td>History (any region) HL</td>
<td>Area B or C</td>
<td>6</td>
<td>C2 or D</td>
</tr>
<tr>
<td>Language A* Literature HL; score of &quot;4&quot; awards credit</td>
<td>Area C</td>
<td>6</td>
<td>C2</td>
</tr>
<tr>
<td>Language A* and Literature (any except English) HL; score of &quot;4&quot; awards credit</td>
<td>Area C</td>
<td>6</td>
<td>C2</td>
</tr>
<tr>
<td>Language A1 (any language) HL; score of &quot;4&quot; awards credit</td>
<td>Area C</td>
<td>6</td>
<td>C2</td>
</tr>
<tr>
<td>Language A2 (any language) HL; score of &quot;4&quot; awards credit</td>
<td>Area C</td>
<td>6</td>
<td>C2</td>
</tr>
<tr>
<td>Language B* score of &quot;4&quot; awards credit</td>
<td>N/A</td>
<td>6</td>
<td>N/A</td>
</tr>
<tr>
<td>Mathematics HL; score of &quot;4&quot; awards credit</td>
<td>Area E; Math Competency</td>
<td>6</td>
<td>B4</td>
</tr>
<tr>
<td>Physics HL</td>
<td>Area A</td>
<td>6</td>
<td>B1</td>
</tr>
<tr>
<td>Psychology</td>
<td>Area B</td>
<td>3</td>
<td>D</td>
</tr>
<tr>
<td>Theater HL</td>
<td>Area C</td>
<td>6</td>
<td>C1</td>
</tr>
</tbody>
</table>

*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 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.

<table>
<thead>
<tr>
<th>CLEP Exam</th>
<th>Score</th>
<th>AA/AS GE for Butte College</th>
<th>Semester Units</th>
<th>CSU GE Area</th>
<th>CSU GE Units Earned</th>
<th>CSU Transfer Units Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D8</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>Area C</td>
<td>3</td>
<td>C2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
<td>50</td>
<td>Area C</td>
<td>3</td>
<td>C2</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>
## College Level Examination Program (CLEP) Test Scores (Continued)

<table>
<thead>
<tr>
<th>CLEP Exam</th>
<th>Score</th>
<th>AA/AS GE for Butte College</th>
<th>Semester Units</th>
<th>CSU GE Area</th>
<th>CSU GE Units Earned</th>
<th>CSU Transfer Units Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>50</td>
<td>Area A</td>
<td>3</td>
<td>B2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<td>Area E; Math Competency</td>
<td>3</td>
<td>B4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>Area A</td>
<td>3</td>
<td>B1</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>Area E; Math Competency</td>
<td>3</td>
<td>B4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Algebra – Trigonometry</td>
<td>50</td>
<td>Area E; Math Competency</td>
<td>3</td>
<td>B4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50</td>
<td>N/A</td>
<td>0</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>Area D; English &amp; Reading Comp.</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College Composition Modular</td>
<td>50</td>
<td>Area D; English &amp; Reading Comp.</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>English Literature</td>
<td>50</td>
<td>Area C</td>
<td>3</td>
<td>C2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>French Level I*</td>
<td>50</td>
<td>N/A</td>
<td>6</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>French Level II*</td>
<td>59</td>
<td>Area C</td>
<td>12</td>
<td>C2</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Freshman College Composition</td>
<td>50</td>
<td>N/A</td>
<td>0</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>German Level I</td>
<td>50</td>
<td>N/A</td>
<td>6</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>German Level II</td>
<td>60</td>
<td>Area C</td>
<td>12</td>
<td>C2</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>History, US I</td>
<td>50</td>
<td>Area B or C</td>
<td>3</td>
<td>D6 + US-I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>History, US II</td>
<td>50</td>
<td>Area B or C</td>
<td>3</td>
<td>D6 + US-I</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Human Growth &amp; Development</td>
<td>50</td>
<td>Area F</td>
<td>3</td>
<td>E</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>50</td>
<td>Area C</td>
<td>3</td>
<td>C2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Information Systems &amp; Computer Applications</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Educational Psychology</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business Law</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D9</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D0</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>50</td>
<td>Area A</td>
<td>3</td>
<td>B1 or B2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>50</td>
<td>Area E; Math Competency</td>
<td>3</td>
<td>B4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Principles of Macroeconomics</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>N/A</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Social Science &amp; History</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Spanish Level I*</td>
<td>50</td>
<td>N/A</td>
<td>6</td>
<td>N/A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Spanish Level II*</td>
<td>63</td>
<td>Area C</td>
<td>12</td>
<td>C2</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>50</td>
<td>Area E; Math Competency</td>
<td>3</td>
<td>B4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>50</td>
<td>Area B or C</td>
<td>3</td>
<td>C2 or D6</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>50</td>
<td>Area B</td>
<td>3</td>
<td>D6</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

*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.
Academic Programs
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

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
- 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.
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

1. Units graded Pass/No Pass—A maximum of 8 units graded with the symbol "P," if optionally elected, apply toward graduation.

2. 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:

1. Students enrolled in one or more courses of English as a Second Language;

2. 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 merely the acquisition of knowledge: it also involves utilization of that knowledge to solve problems, reach academic and career goals, and achieve a deeper understanding of one’s self. More than that, the process promotes learning as a lifelong endeavor, one that will continue long after education goals are achieved. General Education at Butte College is rooted in its mission to "prepare students to be productive members of a diverse, sustainable, and ever-changing global society" and 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."

General Education at Butte College is designed to familiarize students with the basic content and methodology of the major areas of knowledge. It consists of lower-division introductory courses which, when taken as part of the General Education pattern, provide a coherent and integrated program of study through which students can achieve measurable outcomes. All students are encouraged to seek the assistance of an academic counselor in developing a plan for completing General Education requirements.

The College’s Philosophy and Outcomes draw heavily from the Lumina Foundation's "Degree Qualifications Profile," which sees general education as "the foundation for participation in work, life, and citizenship both at home and in the world."

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

- describe how existing knowledge or practice is advanced, tested, and revised;
- describe and examine diverse perspectives on key debates and their significance both within the field and in society;
- illustrate core concepts while executing analytical, practical, or creative tasks;
- assemble evidence relevant to discipline-specific as well as societal problems, describe the significance of the evidence, and use the evidence in analysis of these problems;
- select and apply recognized methods of the field in interpreting characteristic discipline-based problems;
- describe the ways in which disciplines define, address, and interpret the importance of contemporary challenges or problems relating to environment, culture, and society.

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

<table>
<thead>
<tr>
<th>Program</th>
<th>Associate Degree</th>
<th>Transfer</th>
<th>Certificate</th>
<th>Program</th>
<th>Associate Degree</th>
<th>Transfer</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Business (AB)</td>
<td></td>
<td></td>
<td></td>
<td>Business (BUS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting (ACCT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agricultural Engineering Technology (AET)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture Science (AGS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration of Justice (AJ)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration of Justice-Law Enforcement (AJLE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology (ANTH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art (ART)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automotive Technology (AUT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Computer Information Systems (BCIS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology (BIOL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Academic Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Associate Degree</th>
<th>Transfer</th>
<th>Certificate</th>
<th>Program</th>
<th>Associate Degree</th>
<th>Transfer</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Business (AB)</td>
<td></td>
<td></td>
<td></td>
<td>Business Administration, pg. 88</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting (ACCT)</td>
<td></td>
<td></td>
<td></td>
<td>Business Management, pg. 89</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agricultural Engineering Technology (AET)</td>
<td></td>
<td></td>
<td></td>
<td>Business on the Web, pg. 91</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture Science (AGS)</td>
<td></td>
<td></td>
<td></td>
<td>Human Resources, pg. 91</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration of Justice (AJ)</td>
<td></td>
<td></td>
<td></td>
<td>Marketing, pg. 89</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration of Justice-Law Enforcement (AJLE)</td>
<td></td>
<td></td>
<td></td>
<td>Retail Management, pg. 90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology (ANTH)</td>
<td></td>
<td></td>
<td></td>
<td>Small Business Institute, 91</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art (ART)</td>
<td></td>
<td></td>
<td></td>
<td>Small Business/Entrepreneurship, pg. 89</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automotive Technology (AUT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Computer Information Systems (BCIS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology (BIOL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Academic Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Associate Degree Transfer</th>
<th>Associate Degree</th>
<th>Certificate of Achievement</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics (ECON)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics, pg. 107</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education (EDUC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Teacher Education, pg. 108</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liberal Studies, pg. 108</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Para Education, pg. 109</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Horticulture (EH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture Plant Science, pg. 110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Horticulture, pg. 110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape/Turfgrass Technician, pg. 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursery Technician, pg. 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant Protection, pg. 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Services (EMS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Technician/Paramedic, pg. 113</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Responder (EMR), pg. 113</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Technician, pg. 114</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English (ENGL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English, pg. 115</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language Arts, pg. 115</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering (ENGR)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering Technology, pg. 117</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering, pg. 117</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English as a Second Language (ESL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noncredit Certificate of Competency in ESL, pg. 119</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noncredit Certificate of Completion in VESL, pg. 119</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fashion (FASH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fashion Merchandising, pg. 120</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clothing Construction, pg. 120</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fashion Design, pg. 121</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Science (FSC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Technology, pg. 123</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Firefighter I Academy, pg. 123</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BASIC 32, pg. 124</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command-Finance, pg. 124</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command-Logistics, pg. 124</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command-Operations, pg. 125</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command-Planning, pg. 125</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foods and Nutrition (FN)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutrition &amp; Dietetics, pg. 122</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutrition &amp; Food Science, pg. 122</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography (GEOG)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography, pg. 126</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geographic Information System, pg. 126</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology (GEOL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology, pg. 127</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Information Management (HIM)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Coding, pg. 128</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History (HIST)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History, pg. 129</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honors (HON)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honors Program, pg. 130</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journalism (JOUR)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journalism, pg. 131</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinesiology (KIN)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinesiology, pg. 132</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Physical Education, pg. 132</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics (MATH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics, pg. 134</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multicultural and Gender Studies (MCGS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multicultural and Gender Studies, pg. 135</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multimedia Studies Program (MSP)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multimedia Studies, pg. 136</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2D Animation and Games, pg. 137</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphic Design, pg. 136</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphic Design for Print, pg. 136</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music (MUS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music, pg. 138</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recording Arts, pg. 138</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recording Arts for Musicians, pg. 139</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Resources (NR)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Resources Management, pg. 140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ecological Restoration, pg. 140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parks and Recreation, pg. 140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wildlife Technician, pg. 141</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing (NSG)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Licensed Vocational Nursing, pg. 142</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registered Nursing: LVN to ADN, pg. 143</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registered Nursing, pg. 142</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Care Nurse Assistant, pg. 145</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Health Aide, pg. 145</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certified Nursing Assistant, pg. 145</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Academic Programs

## Program List

<table>
<thead>
<tr>
<th>Program</th>
<th>Associate Degree</th>
<th>Transfer</th>
<th>Certificate of Achievement</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupational and Life Skills (OLS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noncredit Certificate of Completion in Occupational &amp; Life Skills, pg. 147</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photography (PHO)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photography, pg. 148</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Science (PHYS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics, pg. 149</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science (POS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science, pg. 150</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leadership &amp; Civic Engagement, pg. 150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Science (PSC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Science, pg. 151</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Science, pg. 151</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology (PSY)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology, pg. 152</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peace and Global Studies, pg. 152</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate (RLS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate, pg. 154</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate Appraisal, pg. 154</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate Sales, pg. 155</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory Therapy (RT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory Care, pg. 156</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio-TV-Film (RTVF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film, Television and Electronic Media, pg. 158</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio-TV-Film: Video Production, pg. 158</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass Media Studies, pg. 159</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Camera Video Production, pg. 159</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology (SOC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social and Behavioral Science, pg. 160</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology, pg. 160</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sustainability Studies, pg. 161</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish (SPAN)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish, pg. 162</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Education Training (SPED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Education for Instructional Service Agreement Instructors, pg. 163</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 Examination do 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 equivalent
   B. Mathematics Competency:
      1) Satisfactory (P or C or better) completion of a MATH course numbered 4-42 (excluding MATH 7), or MATH 110, MATH 116, MATH 124, or equivalent
      -OR-
      2) Achieving a Level V through the BC Assessment process
   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 5, GEOG 8, GEOG 10, GEOG 12,
      HIST 3, HIST 5, HIST 6, HIST 18, HIST 20, HIST 30, LVN Program, LVN to ADN Program, MCGS 8 , MCGS 10,
      MCGS 32, MCGS 36, MCGS 38, MUS 9, NR 26, PHI 18, PSY 34, PSY 41, RN Program, RT Program, SOC 4,
      SOC 20, SOC 30, 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 all majors. Each course in the major must be completed with at least a “C” grade.

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 Area F.

7. Application Requirement: Each student must file an Application for Graduation 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.*

*NOTE: These limitations are not subject to waivers.
AREA A – NATURAL SCIENCE

One course, 3 unit minimum

*NOTE: Meets Natural Science only when taken with corresponding lecture course.

AGS 20 Plant Science (3)
AGS 30 Ecology of Insect and Disease Management (3)
AGS 40 Introduction to Animal Science (3)
AGS 50 General Soils (4)
ANTH 2 Physical Anthropology (3)
ANTH 2H Honors Physical Anthropology (3)
Biol 1 Introduction to Biology (4)
Biol 2 Introduction to Human Biology (3)
Biol 5 Introduction to Animal Biology (4)
Biol 7 Sustaining Life on Earth (3)
Biol 9 Current Issues in Biology (3)
Biol 9H Honors Current Issues in Biology (3)
Biol 10 Survey of Human Systems (4)
Biol 11 Zoology (5)
Biol 12 Botany (5)
Biol 13 Cell and Molecular Biology (5)
Biol 15 Introduction to Microbiology (5)
Biol 20 Human Anatomy (4)
Biol 21 Human Physiology (4)
Chem 1 General Chemistry I (5)
Chem 2 General Chemistry II (5)
Chem 21 Organic Chemistry I (5)
Chem 22 Organic Chemistry II (5)
Chem 51 Elementary Inorganic Chemistry (5)
Chem 52 Elementary Organic and Biochemistry (4)
FN 2 Nutrition (3)
GeoG 2 Physical Geography (3)
GeoG 3 Physical Geography Lab (1)*
GeoG 32 Physical Geology with Lab (4)
GeoG 34 Historical Geology with Lab (4)
NR 28 Environmental Management (3)
Phys 10 Concepts of Physics (3)
Phys 11 Concepts of Physics Laboratory (1)*
Phys 21 College Physics I (4)
Phys 22 College Physics II (4)
Phys 41 Physics for Scientists and Engineers I (4)
Phys 42 Physics for Scientists and Engineers II (4)
Phys 43 Physics for Scientists and Engineers III (4)
Psc 10 Introduction to Environmental Science (4)
Psc 11 Earth Science with Lab (4)
Psc 12 Concepts in Physical Science (4)
Psc 20 Introductory Physical Science (3)
Psc 21 Introductory Physical Science Laboratory (1)*
Psc 30 Introductory Astronomy (4)
Psc 30H Honors Introductory Astronomy (4)
Psc 50 Introduction to Weather (3)
Psc 51 Weather Lab (1)*
Psc 53 Natural Disasters and Hazards (3)
Psy 3 Introduction to Biological Psychology (3)

AREA B – SOCIAL & BEHAVIORAL SCIENCES

One course, 3 unit minimum

ANTH 33
ANTH 32
ANTH 18
ANTH 14
ANTH 16
ANTH 32
ANTH 33

AREA B – SOCIAL & BEHAVIORAL SCIENCES (continued)

ANTH 34 Native Americans Today (3)†
BUS 20 Introduction to Business (3)
CDF 12 Child, Family and Community (3)
CDF 14 Child Growth and Development (3)†
CMST 9 Intercultural Communication (3)†
CMST 10 Interpersonal Communication (3)
CMST 13 Gender and Communication (3)
ECON 2 Principles of Macroeconomics (3)
ECON 4 Principles of Microeconomics (3)
ECON 20 Economic History of the U.S. (3)
ECON 20H Honors Economic History of the U.S. (3)
ECON 25 Introduction to Economics (3)
ECON 35 Introduction to Environmental Economics (3)
GeoG 4 Cultural Geography (3)†
GeoG 5 Economic Geography (3)†
GeoG 8 World Regional Geography (3)†
GeoG 10 Geography of California (3)†
GeoG 12 The American West (3)†
Hist 3 World History to 1500 (3)†
Hist 5 World History since 1500 (3)†
Hist 6 Modern World History (3)†
Hist 7 United States History to 1877 (3)
Hist 10 United States History—1877 to Present (3)
Hist 18 Multicultural History of the United States (3)†
Hist 20 Political History of the Middle East (3)†
Hist 26 Men and Women in American History (3)
Hist 30 History of the African American (3)†
Hum 17 Comparative European Studies (3)
MCGS 8 Introduction to Multicultural and Gender Studies (3)†
MCGS 10 Introduction to Women's Studies (3)†
MCGS 32 Introduction to African American Studies (3)†
MCGS 36 Introduction to Chicano American Studies (3)†
MCGS 38 Introduction to Asian American Studies (3)†
NR 26 Environmental World (3)
Pos 2 United States Government (3)
Pos 3 Comparative Politics (3)
Pos 12 California State and Local Government (3)
Pos 16 Vital Political Problems (3)
Pos 18 International Relations (3)
Psy 1 Principles of Psychology (3)
Psy 6 Abnormal Psychology (3)
Psy 7 Introduction to Research Methods in Psychology (3)
Psy 11 Peace Psychology (3)
Psy 15 Lifespan Psychology (3)
Psy 16 Psychology of Women (3)
Psy 24 Psychology of Sleep, Dreams and Archetypes (3)
Psy 41 Socio-Cultural Context of Psychological Develop. (3)†
RtvF 12 Mass Media and Society (3)
Soc 2 Principles of Sociology (3)
Soc 4 Modern Social Problems (3)†
Soc 5 Our Sustainable Future (3)
Soc 8 Intro. to Marriage, Family and Intimate Relationships (3)
Soc 10 Introduction to Crime and Society (3)
Soc 14 Sociology of Gender (3)
Soc 20 Introduction to Race and Ethnicity (3)†
Soc 30 Sociology of Inequality (3)†

AREA C – HUMANITIES

One course, 3 unit minimum

Anth 17 Introduction to Linguistics (3)
Art 1 Art Appreciation (3)†
Art 2 Art History Survey I (3)
Art 2H Honors Art History Survey I (3)
Art 3 Asian Art History Survey (3)†
Art 4 Art History Survey II (3)
AREA C – HUMANITIES (continued)

ART 4H  Honors Art History Survey II (3)  
ART 5  Survey of Modern Art (3)  
ART 6  African, Oceanic, and Native American Art (3)†  
ASL 1  American Sign Language I (4)  
ASL 2  American Sign Language II (4)  
ASL 3  American Sign Language III (4)  
CHIN 1  First Semester Chinese (4)  
CHIN 2  Second Semester Chinese (4)  
CMST 6  Oral Interpretation (3)  
DRAM 2  Theatre Arts Appreciation (3)  
DRAM 4  Creative Drama and Theatre for Children (3)  
DRAM 8  Principles of Acting I (3)  
ECON 20  Economic History of the U.S. (3)  
ECON 20H  Honors Economic History of the U.S. (3)  
ENGL 4  Introduction to Literature (3)  
ENGL 6  Creative Writing (3)  
ENGL 8  British Literature I (3)  
ENGL 10  British Literature II (3)  
ENGL 14  U.S. Literature I (3)  
ENGL 15  Film as Literature (3)  
ENGL 16  U.S. Literature II (3)  
ENGL 20  Introduction to Poetry (3)  
ENGL 21  Mythology (3)  
ENGL 25  Introduction to Shakespeare (3)  
ENGL 26  Queer Film and Literature (3)†  
ENGL 35  Cross-Cultural Film and Literature (3)†  
ENGL 45  Latino Literature and its Latin American Roots (3)†  
ENGL 47  Native American Literature (3)†  
ENGL 52H  Honors Great Works of Literature (3)  
ENGL 53H  Honors World Literature (3)†  
FASH 74  Historic Costume (3)  
FREN 1  First Semester French (4)  
FREN 2  Second Semester French (4)  
GERM 1  First Semester German (4)  
GERM 2  Second Semester German (4)  
GERM 3  Third Semester German (4)  
GERM 4  Fourth Semester German (4)  
HIST 3  World History to 1500 (3)†  
HIST 5  World History since 1500 (3)†  
HIST 8  United States History to 1877 (3)  
HIST 10  United States History—1877 to Present (3)  
HIST 18  Multicultural History of the United States (3)†  
HIST 26  Men and Women in American History (3)  
HIST 30  History of the African American (3)†  
HUM 17  Comparative European Studies (3)  
HUM 22  Greco-Roman Cultures (3)  
ITAL 1  First Semester Italian (4)  
ITAL 2  Second Semester Italian (4)  
JPN 1  First Semester Japanese (4)  
JPN 2  Second Semester Japanese (4)  
JPN 3  Third Semester Japanese (4)  
JPN 4  Fourth Semester Japanese (4)  
LATN 1  First Semester Latin (4)  
LATN 2  Second Semester Latin (4)  
LATN 3  Third Semester Latin (4)  
MUS 1  Music Appreciation (3)  
MUS 3  Music Fundamentals (3)  
MUS 5  American Popular Music (3)  
MUS 6  Women and Music (3)  
MUS 7  Jazz Appreciation (3)  
MUS 9  World Music (3)†  
MUS 10  Music Theory I (3)  
PHIL 2  Introduction to Philosophy (3)  
PHIL 5  Environmental Ethics (3)  
PHIL 10  Western Religions (3)  
PHIL 18  Eastern Religions (3)†  
PHIL 58  Teaching about Religion (3)  
PHO 1  History of Photography (3)  
RTVF 13  Exploring Contemporary Television (3)  

AREA C – HUMANITIES (continued)

RTVF 15  Introduction to Film (3)  
SPAN 1  First Semester Spanish (4)  
SPAN 2  Second Semester Spanish (4)  
SPAN 3  Third Semester Spanish (4)  
SPAN 4  Fourth Semester Spanish (4)  
SPAN 14  Hispanic Short Stories (3)†  
SPAN 16  Hispanic Film (3)†  

AREA D – ENGLISH COMPOSITION

One course, 3 unit minimum  
ENGL 2  Reading and Composition (3)  

AREA E – COMMUNICATION & ANALYTICAL THINKING

One course, 3 unit minimum  
CMST 2  Public Speaking (3)  
CMST 2H  Honors Public Speaking (3)  
CMST 4  Small Group Communication (3)  
CMST 14  Argumentation and Debate (3)  
CSCI 2  Business and Computer Information Systems (3)  
CSCI 4  Intro. to Programming Concepts and Methodologies (3)  
CSCI 20  Programming and Algorithms I (3)  
DFT 4  Print Reading for Construction and Architecture (3)  
ENGL 11  Communication and Critical Thinking (3)  
MATH 4  Concepts in Mathematics for Teachers I (3)  
MATH 5  Concepts in Mathematics for Teachers II (4)  
MATH 7  Formal Logic and Writing (3)  
MATH 11  Nature of Mathematics (3)  
MATH 12  Mathematics for Business Decisions (Finite Mathematics) (3)  
MATH 13  Survey of Calculus (4)  
MATH 18  Introduction to Statistics (3)  
MATH 20  Trigonometry (3)  
MATH 26  College Algebra (4)  
MATH 30  Analytic Geometry and Calculus I (5)  
MATH 31  Analytic Geometry and Calculus II (4)  
MATH 32  Analytic Geometry and Calculus III (4)  
MATH 40  Differential Equations (4)  
MATH 42  Linear Algebra (3)  
MATH 108  Beginning Algebra (4)  
MATH 110  Geometry (3)  
MATH 116  Accelerated Algebra (6)  
MATH 124  Intermediate Algebra (5)  
PHIL 6  Introduction to Logic (3)  
PHIL 8  Methods of Argument (3)  

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)  
CLP 30  Career Life Planning (3)  
CSL 20  College & Life Success (3)†  
ENGL 31  Methods of Argument (3)  
FN 2  Nutrition (3)  
FN 8  Maternal and Child Nutrition (3)  
HLTH 2  Health and Wellness (3)  
HLTH 10  Leisure for Healthy Living (3)  
LM 40  Life Management (3)  
POS 92  Exploring Leadership (3)  
PSY 15  LifeSpan Psychology (3)  
PSY 20  Personal and Social Growth and Wellness (3)  
PSY 34  Eastern Psychology: Traditions and Practices (3)†  
PSY 36  Psychology of Meditation and Mindfulness (3)  
SOC 8  Intro. to Marriage, Family and Intimate Relationships (3)  
SOC 14  Sociology of Gender (3)  

Select two Kinesiology (KIN) Activity Courses (.5–1.5)  
†NOTE: Meets Multicultural Breadth competency
Butte College 2018-2019 Catalog

2018-2019 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 program.

CSU ADMISSION REQUIREMENTS

To meet the California State University (CSU) transfer admission requirements, students must have all of 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 THE 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.

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 http://catalog.csuchico.edu/viewer/17/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.
34 – 507

B1 – Oral Communication
CMST 2
Public Speaking (3)

CMST 2H
Honor's Public Speaking (3)

CMST 4
Small Group Communication (3)

A3 – Critical Thinking
ENGL 7
Communication and Critical Thinking (3)

A2 – Written Communication
ENGL 6
Introduction to Logic (3)

PHIL 8
Methods of Argument (3)

AREA B – Life Science
BIOL 1
Animal Physiology (4)

BIOL 1A
Human Physiology (4)

BIOL 1B
Introduction to Biological Psychology (3)

BIOL 1C
Introduction to Biological Psychology (3)

BIOL 1D
Introduction to Biological Psychology (3)

BIOL 1E
Introduction to Biological Psychology (3)

BIOL 1F
Introduction to Biological Psychology (3)

BIOL 1G
Introduction to Biological Psychology (3)

BIOL 1H
Introduction to Biological Psychology (3)

BIOL 1I
Introduction to Biological Psychology (3)

BIOL 1J
Introduction to Biological Psychology (3)

BIOL 1K
Introduction to Biological Psychology (3)

BIOL 1L
Introduction to Biological Psychology (3)

BIOL 1M
Introduction to Biological Psychology (3)

BIOL 1N
Introduction to Biological Psychology (3)

BIOL 1O
Introduction to Biological Psychology (3)

BIOL 1P
Introduction to Biological Psychology (3)

BIOL 1Q
Introduction to Biological Psychology (3)

BIOL 1R
Introduction to Biological Psychology (3)

BIOL 1S
Introduction to Biological Psychology (3)

BIOL 1T
Introduction to Biological Psychology (3)

BIOL 1U
Introduction to Biological Psychology (3)

BIOL 1V
Introduction to Biological Psychology (3)

BIOL 1W
Introduction to Biological Psychology (3)

BIOL 1X
Introduction to Biological Psychology (3)

BIOL 1Y
Introduction to Biological Psychology (3)

BIOL 1Z
Introduction to Biological Psychology (3)

BIOL 2
Botany (4)

BIOL 2A
Botany (4)

BIOL 2B
Botany (4)

BIOL 2C
Botany (4)

BIOL 2D
Botany (4)

BIOL 2E
Botany (4)

BIOL 2F
Botany (4)

BIOL 2G
Botany (4)

BIOL 2H
Botany (4)

BIOL 2I
Botany (4)

BIOL 2J
Botany (4)

BIOL 2K
Botany (4)

BIOL 2L
Botany (4)

BIOL 2M
Botany (4)

BIOL 2N
Botany (4)

BIOL 2O
Botany (4)

BIOL 2P
Botany (4)

BIOL 2Q
Botany (4)

BIOL 2R
Botany (4)

BIOL 2S
Botany (4)

BIOL 2T
Botany (4)

BIOL 2U
Botany (4)

BIOL 2V
Botany (4)

BIOL 2W
Botany (4)

BIOL 2X
Botany (4)

BIOL 2Y
Botany (4)

BIOL 2Z
Botany (4)

BIOL 3
Cell and Molecular Biology (5)

BIOL 3A
Cell and Molecular Biology (5)

BIOL 3B
Cell and Molecular Biology (5)

BIOL 3C
Cell and Molecular Biology (5)

BIOL 3D
Cell and Molecular Biology (5)

BIOL 3E
Cell and Molecular Biology (5)

BIOL 3F
Cell and Molecular Biology (5)

BIOL 3G
Cell and Molecular Biology (5)

BIOL 3H
Cell and Molecular Biology (5)

BIOL 3I
Cell and Molecular Biology (5)

BIOL 3J
Cell and Molecular Biology (5)

BIOL 3K
Cell and Molecular Biology (5)

BIOL 3L
Cell and Molecular Biology (5)

BIOL 3M
Cell and Molecular Biology (5)

BIOL 3N
Cell and Molecular Biology (5)

BIOL 3O
Cell and Molecular Biology (5)

BIOL 3P
Cell and Molecular Biology (5)

BIOL 3Q
Cell and Molecular Biology (5)

BIOL 3R
Cell and Molecular Biology (5)

BIOL 3S
Cell and Molecular Biology (5)

BIOL 3T
Cell and Molecular Biology (5)

BIOL 3U
Cell and Molecular Biology (5)

BIOL 3V
Cell and Molecular Biology (5)

BIOL 3W
Cell and Molecular Biology (5)

BIOL 3X
Cell and Molecular Biology (5)

BIOL 3Y
Cell and Molecular Biology (5)

BIOL 3Z
Cell and Molecular Biology (5)

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.

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)**

ART 2
Art History Survey I (3)

ART 2H
Honors Art History Survey I (3)

ART 3
Asian Art History (3)**

ART 4
Art History Survey II (3)

ART 4H
Honors Art History Survey II (3)

ART 5
Survey of Modern Art (3)

ART 6
African, Oceanic, and Native American Art History (3)**

CMST 6
Oral Interpretation (3)

DRAM 2
Theatre Arts Appreciation (3)

DRAM 8
Principles of Acting (3)

MUS 1
Music Appreciation (3)

MUS 5
American Popular Music (3)

MUS 6
Women and Music (3)

MUS 7
Jazz Appreciation (3)

MUS 9
World Music (3)**

MUS 10
Music Theory I (3)

PHO 1
History of Photography (3)

RTVF 15
Introduction to Film (3)

C2 – Humanities (Literature, Philosophy, Languages other than English)
ANTH 17
Introduction to Linguistics (3)

ASL 1
American Sign Language I (4)

ASL 2
American Sign Language II (4)

ASL 3
American Sign Language III (4)

CHIN 1
First Semester Chinese (4)

CHIN 2
Second Semester Chinese (4)

ECON 20
Economic History of the U.S. (3)

ECON 20H
Honors Economic History of the U.S. (3)

ENGL 4
Introduction to Literature (3)

ENGL 6
Creative Writing (3)

ENGL 8
British Literature I (3)

ENGL 10
British Literature II (3)

ENGL 14
U.S. Literature I (3)

ENGL 15
Film as Literature (3)

ENGL 16
U.S. Literature II (3)

ENGL 20
Introduction to Poetry (3)

ENGL 21
Mythology (3)

ENGL 25
Introduction to Shakespeare (3)

ENGL 26
Queer Film and Literature (3)*

ENGL 35
Cross-Cultural Film and Literature (3)**

ENGL 45
Latino Literature and its Latin American Roots (3)*

ENGL 47
Native American Literature (3)*

ENGL 52H
Honors Great Works of Literature (3)

ENGL 53H
Honors World Literature (3)**

FREN 1
First Semester French (4)

FREN 2
Second Semester French (4)

GERM 1
First Semester German (4)

GERM 2
Second Semester German (4)

GERM 3
Third Semester German (4)

GERM 4
Fourth Semester German (4)

HIST 3
World History to 1500 (3)*

HIST 5
World History since 1500 (3)**

HIST 8
United States History to 1877 (3)

HIST 10
United States History - 1877 to Present (3)
### C2 - Humanities (continued)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 18</td>
<td>Multicultural History of the United States (3)*</td>
</tr>
<tr>
<td>HIST 26</td>
<td>Men and Women in American History (3)</td>
</tr>
<tr>
<td>HIST 30</td>
<td>History of the African American (3)*</td>
</tr>
<tr>
<td>HUM 17</td>
<td>Comparative European Studies (3)</td>
</tr>
<tr>
<td>HUM 22</td>
<td>Greco-Roman Cultures (3)</td>
</tr>
<tr>
<td>ITAL 1</td>
<td>First Semester Italian (4)</td>
</tr>
<tr>
<td>ITAL 2</td>
<td>Second Semester Italian (4)</td>
</tr>
<tr>
<td>JPN 1</td>
<td>First Semester Japanese (4)</td>
</tr>
<tr>
<td>JPN 2</td>
<td>Second Semester Japanese (4)</td>
</tr>
<tr>
<td>JPN 3</td>
<td>Third Semester Japanese (4)</td>
</tr>
<tr>
<td>JPN 4</td>
<td>Fourth Semester Japanese (4)</td>
</tr>
<tr>
<td>LATN 1</td>
<td>First Semester Latin (4)</td>
</tr>
<tr>
<td>LATN 2</td>
<td>Second Semester Latin (4)</td>
</tr>
<tr>
<td>LATN 3</td>
<td>Third Semester Latin (4)</td>
</tr>
<tr>
<td>PHIL 2</td>
<td>Introduction to Philosophy (3)</td>
</tr>
<tr>
<td>PHIL 5</td>
<td>Environmental Ethics (3)</td>
</tr>
<tr>
<td>PHIL 16</td>
<td>Western Religions (3)</td>
</tr>
<tr>
<td>PHIL 18</td>
<td>Eastern Religions (3)**</td>
</tr>
<tr>
<td>PHIL 58</td>
<td>Teaching About Religion (3)</td>
</tr>
<tr>
<td>RTVF 13</td>
<td>Exploring Contemporary Television (3)</td>
</tr>
<tr>
<td>SPAN 1</td>
<td>First Semester Spanish (4)</td>
</tr>
<tr>
<td>SPAN 2</td>
<td>Second Semester Spanish (4)</td>
</tr>
<tr>
<td>SPAN 3</td>
<td>Third Semester Spanish (4)</td>
</tr>
<tr>
<td>SPAN 4</td>
<td>Fourth Semester Spanish (4)</td>
</tr>
<tr>
<td>SPAN 14</td>
<td>Hispanic Short Stories (3)</td>
</tr>
<tr>
<td>SPAN 16</td>
<td>Hispanic Film (3)</td>
</tr>
</tbody>
</table>

### AREA D – SOCIAL SCIENCES (continued)

Three courses, 9 semester units with courses from at least two disciplines

#### Administration of Justice

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 1</td>
<td>Criminology (3)</td>
</tr>
</tbody>
</table>

#### Agriculture

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGS 10</td>
<td>World Food and Hunger Issues (3)**</td>
</tr>
</tbody>
</table>

#### Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4H</td>
<td>Honors Cultural Anthropology (3)**</td>
</tr>
<tr>
<td>ANTH 13</td>
<td>Magic, Witchcraft &amp; Religion (3)**</td>
</tr>
<tr>
<td>ANTH 14</td>
<td>Language and Culture (3)</td>
</tr>
<tr>
<td>ANTH 16</td>
<td>Archaeology and Ancient Societies (3)**</td>
</tr>
<tr>
<td>ANTH 18</td>
<td>World Cultures (3)**</td>
</tr>
<tr>
<td>ANTH 32</td>
<td>Native Americans (3)*</td>
</tr>
<tr>
<td>ANTH 33</td>
<td>Ancient Mesoamerica (3)**</td>
</tr>
<tr>
<td>ANTH 34</td>
<td>Native Americans Today (3)*</td>
</tr>
</tbody>
</table>

#### Child Development

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF 12</td>
<td>Child, Family and Community (3)</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development (3)*</td>
</tr>
</tbody>
</table>

#### Communication Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 9</td>
<td>Intercultural Communication (3)*</td>
</tr>
<tr>
<td>CMST 10</td>
<td>Interpersonal Communication (3)</td>
</tr>
<tr>
<td>CMST 13</td>
<td>Gender and Communication (3)</td>
</tr>
</tbody>
</table>

#### Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2</td>
<td>Principles of Macroeconomics (3)</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (3)</td>
</tr>
<tr>
<td>ECON 20</td>
<td>Economic History of the U.S. (3)</td>
</tr>
<tr>
<td>ECON 20H</td>
<td>Honors Economic History of the U.S. (3)</td>
</tr>
<tr>
<td>ECON 25</td>
<td>Introduction to Economics (3)</td>
</tr>
<tr>
<td>ECON 35</td>
<td>Introduction to Environmental Economics (3)</td>
</tr>
</tbody>
</table>

#### Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 4</td>
<td>Cultural Geography (3)**</td>
</tr>
<tr>
<td>GEOG 5</td>
<td>Economic Geography (3)**</td>
</tr>
<tr>
<td>GEOG 8</td>
<td>World Regional Geography (3)**</td>
</tr>
<tr>
<td>GEOG 10</td>
<td>Geography of California (3)**</td>
</tr>
<tr>
<td>GEOG 12</td>
<td>The American West (3)</td>
</tr>
</tbody>
</table>

#### History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3</td>
<td>World History to 1500 (3)**</td>
</tr>
<tr>
<td>HIST 5</td>
<td>World History since 1500 (3)**</td>
</tr>
<tr>
<td>HIST 6</td>
<td>Modern World History (3)</td>
</tr>
<tr>
<td>HIST 18</td>
<td>Multicultural History of the United States (3)*</td>
</tr>
<tr>
<td>HIST 20</td>
<td>Political History of the Middle East (3)**</td>
</tr>
<tr>
<td>HIST 30</td>
<td>History of the African American (3)*</td>
</tr>
</tbody>
</table>

#### Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 17</td>
<td>Comparative European Studies (3)</td>
</tr>
<tr>
<td>MCGS 8</td>
<td>Introduction to Multicultural and Gender Studies (3)*</td>
</tr>
<tr>
<td>MCGS 10</td>
<td>Introduction to Women's Studies (3)*</td>
</tr>
<tr>
<td>MCGS 32</td>
<td>Introduction to African American Studies (3)*</td>
</tr>
<tr>
<td>MCGS 36</td>
<td>Introduction to Chicano American Studies (3)*</td>
</tr>
<tr>
<td>MCGS 38</td>
<td>Introduction to Asian American Studies (3)*</td>
</tr>
</tbody>
</table>

### Natural Resources

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 26</td>
<td>Environmental World (3)</td>
</tr>
</tbody>
</table>

### Political Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2</td>
<td>United States Government (3)</td>
</tr>
<tr>
<td>POS 3</td>
<td>Comparative Politics (3)</td>
</tr>
<tr>
<td>POS 12</td>
<td>California State and Local Government (3)</td>
</tr>
<tr>
<td>POS 16</td>
<td>Vital Political Problems (3)</td>
</tr>
<tr>
<td>POS 18</td>
<td>International Relations (3)</td>
</tr>
</tbody>
</table>

### Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1</td>
<td>Principles of Psychology (3)</td>
</tr>
<tr>
<td>PSY 6</td>
<td>Abnormal Psychology (3)</td>
</tr>
<tr>
<td>PSY 7</td>
<td>Introduction to Research Methods in Psychology (3)</td>
</tr>
<tr>
<td>PSY 11</td>
<td>Peace Psychology (3)</td>
</tr>
<tr>
<td>PSY 15</td>
<td>Lifespan Psychology (3)</td>
</tr>
<tr>
<td>PSY 16</td>
<td>Psychology of Women (3)</td>
</tr>
<tr>
<td>PSY 41</td>
<td>Socio-Cultural Context of Psychological Development (3)*</td>
</tr>
</tbody>
</table>

#### Radio-TV-Film

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTVF 12</td>
<td>Mass Media and Society (3)</td>
</tr>
</tbody>
</table>

### Sociology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 2</td>
<td>Principles of Sociology (3)</td>
</tr>
<tr>
<td>SOC 4</td>
<td>Modern Social Problems (3)</td>
</tr>
<tr>
<td>SOC 5</td>
<td>Our Sustainable Future (3)</td>
</tr>
<tr>
<td>SOC 10</td>
<td>Introduction to Crime and Society (3)</td>
</tr>
<tr>
<td>SOC 14</td>
<td>Sociology of Gender (3)</td>
</tr>
<tr>
<td>SOC 20</td>
<td>Introduction to Race and Ethnicity (3)*</td>
</tr>
<tr>
<td>SOC 30</td>
<td>Sociology of Inequality (3)*</td>
</tr>
</tbody>
</table>

### AREA E – LIFELONG LEARNING AND SELF-DEVELOPMENT

One course, 3 semester units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 62</td>
<td>Money &amp; Happiness: Cultural, Psych., and Economic Factors (3)</td>
</tr>
<tr>
<td>CLP 30</td>
<td>Career Life Planning (3)</td>
</tr>
<tr>
<td>CSL 20</td>
<td>College &amp; Life Success (3)</td>
</tr>
<tr>
<td>ENGL 31</td>
<td>Existential Literature: A Literary Approach to Self Integ. (3)</td>
</tr>
<tr>
<td>FN 2</td>
<td>Nutrition (3)</td>
</tr>
<tr>
<td>FN 8</td>
<td>Maternal and Child Nutrition (3)</td>
</tr>
<tr>
<td>HLTH 2</td>
<td>Health and Wellness (3)</td>
</tr>
<tr>
<td>HLTH 10</td>
<td>Leisure for Healthy Living (3)</td>
</tr>
<tr>
<td>LM 40</td>
<td>Life Management (3)</td>
</tr>
<tr>
<td>POS 92</td>
<td>Exploring Leadership (3)</td>
</tr>
<tr>
<td>PSY 15</td>
<td>Lifespan Psychology (3)</td>
</tr>
<tr>
<td>PSY 20</td>
<td>Personal and Social Growth and Wellness (3)</td>
</tr>
<tr>
<td>PSY 34</td>
<td>Eastern Psychology: Traditions and Practices** (3)</td>
</tr>
<tr>
<td>PSY 36</td>
<td>Psychology of Meditation and Mindfulness (3)</td>
</tr>
<tr>
<td>SOC 8</td>
<td>Introduction to Marriage, Family and Intimate Relationships (3)</td>
</tr>
</tbody>
</table>

#### 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 20</td>
<td>Economic History of the U. S. (3)</td>
</tr>
<tr>
<td>ECON 20H</td>
<td>Honors Economic History of the U. S. (3)</td>
</tr>
<tr>
<td>HIST 8</td>
<td>United States History to 1877 (3)</td>
</tr>
<tr>
<td>HIST 10</td>
<td>Unites States History—1877 to Present (3)</td>
</tr>
<tr>
<td>HIST 26</td>
<td>Men and Women in American History (3)</td>
</tr>
</tbody>
</table>

**Category 2 – Government (course selected can also count in Category D8)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2</td>
<td>United States Government (3)</td>
</tr>
<tr>
<td>POS 12</td>
<td>California State and Local Government (3)</td>
</tr>
</tbody>
</table>

**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
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 with a GPA of at least 2.4 (2.8 for nonresident)
  No more than 14 semester (21 quarter) units may be taken Pass/Not Pass.
  Exception: 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 each) 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 each) chosen from at least two of the following subject areas:
    The arts and humanities
    The social and behavioral sciences
    The physical and biological sciences

Keep in mind that meeting these basic requirements doesn’t guarantee admission to the campus or major of your choice. To be as competitive as possible you should follow the requirements for the campuses and majors you are interested in.

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 colleges 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.

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. See a counselor for degree planning.

Students who enrolled 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).

Major

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before transfer to the University of California. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree. Please see Assist.org for major specific requirements for specified UC campus.

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
AREA 1 – ENGLISH COMMUNICATION

1A – English Composition  One course, 3 semester units
ENGL 2  Reading and Composition (3)

1B – Critical Thinking  One course, 3 semester units
CMST 14  Argumentation & Debate (3)
ENGL 11  Communication and Critical Thinking (3)
MATH 7  Formal Logic & Writing (3)
PHIL 8  Methods of Argument (3)

1C – Oral Communication (CSU requirement only) One course, 3 semester units
CMST 2  Public Speaking (3)
CMST 2H  Honors Public Speaking
CMST 4  Small Group Communication (3)

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 13  Survey of Calculus (4)
MATH 18  Introduction to Statistics (3)
MATH 26  College Algebra (4)
MATH 30  Analytic Geometry and Calculus I (5)
MATH 31  Analytic Geometry and Calculus II (4)
MATH 32  Analytic Geometry and Calculus III (4)
MATH 40  Differential Equations (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)**
ART 2  Art History Survey I (3)
ART 2H  Honors Art History Survey I (3)
ART 3  Asian Art History Survey (3)**
ART 4  Art History Survey II (3)
ART 4H  Honors Art History Survey II (3)
ART 5  Survey of Modern Art (3)
ART 6  African, Oceanic and Native American Art History (3)**
DRAM 2  Theater Arts Appreciation (3)
MUS 1  Music Appreciation (3)
MUS 5  American Popular Music (3)
MUS 6  Women and Music (3)
MUS 7  Jazz Appreciation (3)
MUS 9  World Music (3)**
MUS 10  Music Theory I (3)
PHO 1  History of Photography (3)
RTVF 15  Introduction to Film (3)

3B – Humanities

ANTH 17  Introduction to Linguistics (3)
ASL 3  American Sign Language III (4)
CMST 6  Oral Interpretation (3)
ENGL 4  Introduction to Literature (3)
ENGL 8  British Literature I (3)
ENGL 10  British Literature II (3)
ENGL 14  U.S. Literature I (3)
ENGL 15  Film as Literature (3)
ENGL 16  U.S. Literature II (3)
ENGL 20  Introduction to Poetry (3)
ENGL 21  Mythology (3)
ENGL 25  Introduction to Shakespeare (3)

3C – Social Science

HIST 2  World History to 1500 (3)**
HIST 5  World History since 1500 (3)**
HIST 6  Modern World History (3)
HIST 18  Multicultural History of the United States (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 Science
AGS 10  World Food and Hunger Issues (3)**

Anthropology and Archeology
ANTH 4  Cultural Anthropology (3)**
ANTH 4H  Honors Cultural Anthropology (3)**
ANTH 14  Language and Culture (3)
ANTH 16  Archeology and Ancient Societies (3)**
ANTH 18  World Cultures (3)**
ANTH 32  Native Americans (3)*
ANTH 33  Ancient Mesoamerica (3)**
ANTH 34  Native Americans Today (3)*

Communication Studies
CSMT 9  Intercultural Communication (3)*
CSMT 13  Gender and Communication (3)

Economics
ECON 2  Principles of Macroeconomics (3)
ECON 4  Principles of Microeconomics (3)
ECON 20  Economic History of the U.S. (3)
ECON 20H  Honors Economic History of the U.S. (3)

Geography
GEOG 4  Cultural Geography (3)**
GEOG 5  Economic Geography (3)**
GEOG 8  World Regional Geography (3)**
GEOG 10  Geography of California (3)*

History
HIST 3  World History to 1500 (3)**
HIST 5  World History since 1500 (3)**
HIST 6  Modern World History (3)
HIST 18  Multicultural History of the United States (3)**

Multicultural and Gender Studies
MCGS 8  Introduction to Multicultural and Gender Studies (3)*
MCGS 10  Introduction to Women’s Studies (3)*
MCGS 32  Introduction to African American Studies (3)*
MCGS 36  Introduction to Chicano American Studies (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)
CHEM 1* General Chemistry I (5)
CHEM 2* General Chemistry II (5)
CHEM 21* Organic Chemistry I (5)
CHEM 22* Organic Chemistry II (5)
CHEM 52 Elementary Organic and Biochemistry (4)
GEOG 2 Physical Geography (3)
GEOG 2/3* Physical Geography with Lab (4)
GEOG 32* Physical Geology with Lab (4)
GEOG 34* Historical Geology with Lab (4)
PHYS 10/11* Concepts of Physics with Lab (4)
PHYS 21* College Physics I (4)
PHYS 22* College Physics II (4)
PHYS 41* Physics for Scientists and Engineers I (4)
PHYS 42* Physics for Scientists and Engineers II (4)
PHYS 43* Physics for Scientists and Engineers III (4)
PSC 10* Introduction to Environmental Science (4)
PSC 11* Earth Science with Lab (4)
PSC 12* Concepts in Physical Science (4)
PSC 20/21* Introductory Physical Science with Lab (4)
PSC 30* Introductory Astronomy (4)
PSC 30H* Honors Introductory Astronomy (4)
PSC 50/51* Introduction to Weather with Lab (4)
PSC 53 Natural Disasters and Hazards (3)

5B - Biological Science
AGS 20* Plant Science (3)
ANTH 2 Physical Anthropology (3)
ANTH 2H Honors Physical Anthropology (3)
BIOL 1* Introduction to Biology (4)
BIOL 2 Introduction to Human Biology (3)
BIOL 5* Ecology and Field Biology (4)
BIOL 7 Sustaining Life on Earth (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)
ASL 3 American Sign Language III (4)
CHIN 2 Second Semester Chinese (4)
FREN 2 Second Semester French (4)
GERM 2 Second Semester German (4)
GERM 3 Third Semester German (4)
GERM 4 Fourth Semester German (4)
ITAL 2 Second Semester Italian (4)
JPN 2 Second Semester Japanese (4)
JPN 3 Third Semester Japanese (4)
JPN 4 Fourth Semester Japanese (4)
LATN 2 Second Semester Latin (4)
LATN 3 Third Semester Latin (4)
SPAN 2 Second Semester Spanish (4)
SPAN 3 Third Semester Spanish (4)
SPAN 4 Fourth Semester Spanish (4)

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)
ECON 20H Honors Economic History of the U. S. (3)
HIST 8 U. S. History to 1877 (3)
HIST 10 U. S. History 1877 to Present (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 (*) and Global Cultures (**). These courses also may meet General Education requirements.
Agriculture Business (AB)

AS-T Degree in Agriculture Business
AS Degree in Agricultural Business
AS Degree in Agriculture Business
Certificate of Achievement in Agriculture Business

Robert Landry, Advisor (530) 895-2593
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Agriculture Business 60 Units Minimum

Program Code: 33579.00AS-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
• Demonstrate core management principles and apply them to different working scenarios.
• Apply core marketing principles to the unique structure of the agriculture sector.
• Demonstrate effective verbal and written communication in an agricultural business environment.
• Recognize consumer and producer responsiveness to changing market conditions.

Required courses for the major: 22 Units

Required Core:
AGS 50 General Soils 4
AB 22 Agricultural Economics 3
MATH 18 Introduction to Statistics (P) 3
ECON 2 Principles of Macroeconomics (P) 3

List A: Select three
AB 26 Introduction to Agriculture Business 3
AB 25 Computer Applications in Agriculture 3
AGS 40 Introduction to Animal Science 3
or AGS 20 Plant Science (3)
AB 50 Agricultural Accounting 3

AS Degree in Agriculture Business 60 Units Minimum

Program Code: 15474.00AS
Type: Career
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
• Demonstrate core management principles and apply them to different working scenarios.
• Apply core marketing principles to the unique structure of the agriculture sector.
• Demonstrate effective verbal and written communication in an agricultural business environment.
• Recognize consumer and producer responsiveness to changing market conditions.

Required courses for the major: 36 - 38 Units

AB 22 Agricultural Economics 3
AB 25 Computer Applications in Agriculture 3
AB 50 Agricultural Accounting 3
or ACCT 2 Financial Accounting (4)
ACCT 4 Managerial Accounting (P) 4
CHEM 51 Elementary Inorganic Chemistry (P) 5
ECON 2 Principles of Macroeconomics (P) 3
MATH 18 Introduction to Statistics (P) 3

Select 2 courses from the following:
AGS 40 Introduction to Animal Science 3
AGS 50 General Soils 4
AGS 20 Plant Science 3
Electives - Select 6 units from the following: 6

AB 20 Careers in Agriculture, Environmental Science and Natural Resources (1)
AB 26 Introduction to Agriculture Business (3)
AB 54 Supervision and Management in Agriculture (3)
AET 22 Natural Resources and Agri-Construction (3)
AET 26 Basic Surveying (3)
AET 30 Tractors and Crawlers (3)
AET 34 Farm Machinery (3)
AET 35 Heavy Equipment Methods (3) (C)
AET 36 Heavy Equipment Operation (6) (C)
AET 38 Diesel Engines and Machine Systems (4)
AET 43 Hydraulic and Pneumatic Systems (2)
AGS 30 Ecology of Insect and Disease Management (3)
AGS 10 World Food and Hunger Issues (3)
AGS 45 Feeds and Feeding (3)

AS Degree in Agriculture Business 60 Units Minimum

Program Code: 01301.00AS
Type: Career
GE: Butte Local

About the Program
The Agriculture Business program provides the student with employable skills and gives 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 ideal settings 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- Accumulate, record, and analyze agricultural financial data.
- Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
- Make effective business decisions using a systematic, information-based approach.

Required courses for the major: 31 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AB 22</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AB 25</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AB 26</td>
<td>Introduction to Agriculture Business</td>
<td>3</td>
</tr>
<tr>
<td>AB 50</td>
<td>Agricultural Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AB 54</td>
<td>Supervision and Management in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>AGS 50</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>AGS 10</td>
<td>World Food and Hunger Issues</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 2</td>
<td>Principles of Macroeconomics (3) (P)</td>
<td></td>
</tr>
<tr>
<td>or NR 26</td>
<td>Environmental World (3)</td>
<td></td>
</tr>
<tr>
<td>AGS 99</td>
<td>Work Experience-AGS (P)</td>
<td>2</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>or AGS 40</td>
<td>Introduction to Animal Science (3)</td>
<td></td>
</tr>
</tbody>
</table>

Certificate of Achievement in Agriculture Business 19 Units

<table>
<thead>
<tr>
<th>Program Code: 01298.00CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Career</td>
</tr>
<tr>
<td>GE: None</td>
</tr>
</tbody>
</table>

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Agriculture Business:
www.butte.edu/curriculum/gainful-employment/0129800CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- Accumulate, record, and analyze agricultural financial data.
- Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
- Make effective business decisions using a systematic, information-based approach.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AB 22</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AB 25</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AB 26</td>
<td>Introduction to Agriculture Business</td>
<td>3</td>
</tr>
<tr>
<td>AB 50</td>
<td>Agricultural Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AB 54</td>
<td>Supervision and Management in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>or AGS 40</td>
<td>Introduction to Animal Science (3)</td>
<td></td>
</tr>
</tbody>
</table>
### Accounting (ACCT)

#### AS Degree in Accounting
Certificate of Achievement in Accounting
Certificate in Account Clerk
Certificate in Tax Preparer

Patrick Christensen, Chair (530) 895-2598
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

#### AS Degree in Accounting 60 Units Minimum

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>01308.00AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>Butte Local</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

Upon successful completion of this program, the student will be able to:
- Accumulate, record, and analyze financial data.
- Prepare accurate reports for decision making and regulatory compliance.
- Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.

**Required courses for the major:** 39 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 2</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 110</td>
<td>Accounting for Payroll</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Certificate of Achievement in Accounting 28 Units

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>01308.00CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

**About the Program**

See AS Degree in Accounting.

**Student Learning Outcomes**

Upon successful completion of this program, the student will be able to:
- Accumulate, record, and analyze financial data.
- Prepare accurate reports for decision making and regulatory compliance.
- Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 2</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 110</td>
<td>Accounting for Payroll</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Certificate in Account Clerk 14 - 15 Units

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>ACCT.CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

**About the Program**

See AS Degree in Accounting.

**Student Learning Outcomes**

Upon successful completion of this program, the student will be able to:
- Utilize double entry bookkeeping system to record common business transactions.
- Employ accounting and business terminology to describe business transactions and scenarios.
- Record payables and receivables using QuickBooks or similar accounting programs.
- Demonstrate proficiency with commonly used office software programs.
Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 128</td>
<td>Bookkeeping</td>
<td>2</td>
</tr>
<tr>
<td>or ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 100</td>
<td>QuickBooks Pro-Computerized Accounting</td>
<td>(P) 2</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
</tbody>
</table>

Electives - Select 3 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 62</td>
<td>Money &amp; Happiness: Cultural, Psychological and Economic Factors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics</td>
<td>(P)</td>
</tr>
<tr>
<td>ACCT 105</td>
<td>Income Tax Preparation</td>
<td>4</td>
</tr>
<tr>
<td>BUS 18</td>
<td>Database Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Certificate in Tax Preparer 15 Units

Program Code: TAXPREP.CC
Type: Career
GE: None

About the Program

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.

Student Learning Outcomes

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

- Understand accounting and business terminology used in business scenarios, and be proficient with commonly used office software programs.
- Recognize and apply basic state and federal income taxation laws to individual tax return forms.
Agricultural Engineering Technology (AET)

AS Degree in Mechanized Agriculture
Certificate of Achievement in Heavy Equipment Operator Technician
Certificate of Achievement in Mechanized Agriculture

Bruce Enyeart, Advisor (530) 895-2418
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Mechanized Agriculture 60 Units Minimum

Program Code: 01305.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and demonstrate proper use, care, and adjustment of common and precision tools and machines found in a mechanized agriculture shop.
• Operate wheel and track type tractors safely and properly.
• Perform operator level maintenance and adjustments of tractor systems.
• Analyze and match the proper tractor and equipment to do the job correctly and efficiently.

Required courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AB 25</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>AGS 99</td>
<td>Work Experience-AGS (P)</td>
<td>2</td>
</tr>
<tr>
<td>AGS 30</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>AGS 50</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>AB 54</td>
<td>Supervision and Management in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AET 22</td>
<td>Natural Resources and Agri-Construction (C) or EH 22 Landscape Construction (3)</td>
<td>3</td>
</tr>
<tr>
<td>AET 34</td>
<td>Farm Machinery</td>
<td>3</td>
</tr>
<tr>
<td>AET 36</td>
<td>Heavy Equipment Operation (C)</td>
<td>6</td>
</tr>
<tr>
<td>AET 38</td>
<td>Diesel Engines and Machine Systems</td>
<td>4</td>
</tr>
<tr>
<td>AET 43</td>
<td>Hydraulic and Pneumatic Systems</td>
<td>2</td>
</tr>
<tr>
<td>WLD 20</td>
<td>Beginning Welding</td>
<td>4</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Heavy Equipment Operator Technician 31 Units

Program Code: 07260.00CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Heavy Equipment Operator Technician: www.butte.edu/curriculum/gainful-employment/0726000CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Explain the principles of operation and maintenance required to operate and support modern agricultural and industrial powered equipment.
• Demonstrate the ability to safely and correctly maintain and operate a range of agricultural and industrial powered equipment.
• Evaluate career opportunities, prospective employers, and skills necessary to achieve employment.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AET 26</td>
<td>Basic Surveying</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>AET 44</td>
<td>Grade Setting</td>
<td>2</td>
</tr>
<tr>
<td>AET 38</td>
<td>Diesel Engines and Machine Systems</td>
<td>4</td>
</tr>
<tr>
<td>WLD 20</td>
<td>Beginning Welding</td>
<td>4</td>
</tr>
<tr>
<td>AET 34</td>
<td>Farm Machinery</td>
<td>3</td>
</tr>
<tr>
<td>AET 35</td>
<td>Heavy Equipment Methods (C)</td>
<td>3</td>
</tr>
<tr>
<td>AET 36</td>
<td>Heavy Equipment Operation (C)</td>
<td>6</td>
</tr>
<tr>
<td>AET 43</td>
<td>Hydraulic and Pneumatic Systems</td>
<td>2</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Mechanized Agriculture 26 Units

Program Code: 01305.00CA
Type: Career
GE: None

About the Program
See AS Degree in Mechanized Agriculture

Gainful Employment Information
Certificate of Achievement in Mechanized Agriculture: www.butte.edu/curriculum/gainful-employment/0130500CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and demonstrate proper use, care, and adjustment of common and precision tools and machines found in a mechanized agriculture shop.

Butte College 2018-2019 Catalog 69
• Operate wheel and track type tractors safely and properly.
• Perform operator level maintenance and adjustments of tractor systems.
• Analyze and match the proper tractor and equipment to do the job correctly and efficiently.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>AET 38</td>
<td>Diesel Engines and Machine Systems</td>
<td>4</td>
</tr>
<tr>
<td>AET 22</td>
<td>Natural Resources and Agri-Construction</td>
<td>3</td>
</tr>
<tr>
<td>or EH 22</td>
<td>Landscape Construction (3)</td>
<td></td>
</tr>
<tr>
<td>AET 34</td>
<td>Farm Machinery</td>
<td>3</td>
</tr>
<tr>
<td>AET 36</td>
<td>Heavy Equipment Operation (C)</td>
<td>6</td>
</tr>
<tr>
<td>WLD 20</td>
<td>Beginning Welding</td>
<td>4</td>
</tr>
<tr>
<td>AET 43</td>
<td>Hydraulic and Pneumatic Systems</td>
<td>2</td>
</tr>
</tbody>
</table>
Agriculture Science (AGS)

AS Degree in Agriculture and Natural Resources
AS Degree in Agriculture Science

Tom Williams, Chair (530) 895-2496
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Agriculture and Natural Resources

Program Code: 11137.00AS
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes

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

• Identify and describe environmental conditions influencing local crop production.
• Explain the effects of temperature, water, spacing and fertility on plant growth and production.
• Evaluate the role of soil fertility in an ecological production system.
• 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 for the major: 30 - 33 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 22</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>or AB 50</td>
<td>Agricultural Accounting (3)</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 2</td>
<td>Financial Accounting (4)</td>
<td></td>
</tr>
<tr>
<td>AET 22</td>
<td>Natural Resources and Agri-Construction</td>
<td>3</td>
</tr>
<tr>
<td>AGS 40</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AGS 50</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>or AGS 20</td>
<td>Plant Science</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 1</td>
<td>General Chemistry I (P)</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 51</td>
<td>Elementary Inorganic Chemistry (5) (P)</td>
<td></td>
</tr>
<tr>
<td>CHEM 2</td>
<td>General Chemistry II (P)</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 52</td>
<td>Elementary Organic and Biochemistry (4) (P)</td>
<td></td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics (P)</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives - Select 6 units from the following: 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources (1)</td>
<td></td>
</tr>
<tr>
<td>AB 25</td>
<td>Computer Applications in Agriculture (3)</td>
<td></td>
</tr>
<tr>
<td>AB 26</td>
<td>Introduction to Agriculture Business (3)</td>
<td></td>
</tr>
<tr>
<td>AB 50</td>
<td>Agricultural Accounting (3)</td>
<td></td>
</tr>
<tr>
<td>AB 54</td>
<td>Supervision and Management in Agriculture (3)</td>
<td></td>
</tr>
<tr>
<td>AET 26</td>
<td>Basic Surveying (3)</td>
<td></td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers (3)</td>
<td></td>
</tr>
<tr>
<td>AET 34</td>
<td>Farm Machinery (3)</td>
<td></td>
</tr>
<tr>
<td>AET 35</td>
<td>Heavy Equipment Methods (3)</td>
<td>(C)</td>
</tr>
<tr>
<td>AET 36</td>
<td>Heavy Equipment Operation (6)</td>
<td>(C)</td>
</tr>
</tbody>
</table>

43 Units

Butte College 2018-2019 Catalog 71
Administration of Justice (AJ)

AS-T Degree in Administration of Justice
AS Degree in Administration of Justice
AS Degree in Court Personnel/Pre-law
AS Degree in Criminal Justice
Certificate of Achievement in Administration of Justice
Certificate of Achievement in Court Personnel/Pre-law

TBA
Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Administration of Justice 60 Units Minimum

Program Code: 31042.00AS-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Explain the historical development and philosophy of law.
• Perform legal research independently and interpret, analyze and defend appellate court decisions.
• Demonstrate an understanding of the characteristics of crime and criminality, and the criminal justice system in the United States.

Required courses for the major: 18 Units

Required Core
AJ 2 Administration of Justice 3
AJ 4 Criminal Law 3

List A: Select two
AJ 11 Criminal Procedure 3
AJ 6 Evidence 3
AJ 8 Criminal Investigation 3
AJ 10 Juvenile Procedures 3

List B: Select two
Any course from List A not already used
SOC 2 Principles of Sociology 3
MATH 18 Introduction to Statistics (P) 3
PSY 1 Principles of Psychology 3
AJ 14 Community Oriented Policing 3

AS Degree in Administration of Justice

Program Code: 07269.00AS
Type: Career
GE: Butte Local

About the Program
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 Associate's degree.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Explain the historical development and philosophy of law.
• Perform legal research independently and interpret, analyze and defend appellate court decisions.
• Communicate effectively in a variety of situations and prepare acceptable investigative reports.
• Identify and describe modus operandi, basic crime scene investigation, proper identification and collection of evidence.
• Describe interview and lawful interrogation techniques.

Required courses for the major: 32.5 Units

AJ 1 Criminology 3
AJ 2 Administration of Justice 3
AJ 3 Legal Research 2
AJ 4 Criminal Law 3
AJ 6 Evidence 3
AJ 8 Criminal Investigation 3
AJ 10 Juvenile Procedures 3
AJ 11 Criminal Procedure 3
AJ 13 Organized Crime/Gangs 3
AJ 14 Community Oriented Policing 3
AJ 99 Work Experience-AJ (P) .5
CMST 2 Public Speaking 3
or CMST 2H Honors Public Speaking (3)

AS Degree in Court Personnel/Pre-law 60 Units Minimum

Program Code: 11136.00AS
Type: Career
GE: Butte Local

About the Program
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.

**Student Learning Outcomes**

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

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

**Required courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AJ 1</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 2</td>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 3</td>
<td>Legal Research</td>
<td>2</td>
</tr>
<tr>
<td>AJ 4</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 6</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 8</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 11</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 99</td>
<td>Work Experience-AJ (P)</td>
<td>1</td>
</tr>
</tbody>
</table>

or BCIS 60 Advanced Legal Office Procedures (3)

or BCIS 59 Beginning Legal Office Procedures (3)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>POS 12</td>
<td>California State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>READ 2</td>
<td>Speed Reading (P)</td>
<td>3</td>
</tr>
</tbody>
</table>

or ENGL 2 Reading and Composition (3) (P)

**AS Degree in Criminal Justice**

60 Units Minimum

**Program Code:** 16981.00AS

**Type:** Local

**GE:** Butte Local

**About the Program**

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

**Student Learning Outcomes**

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

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

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 1</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 2</td>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 3</td>
<td>Legal Research</td>
<td>2</td>
</tr>
<tr>
<td>AJ 4</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 6</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 8</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 13</td>
<td>Organized Crime/Gangs</td>
<td>3</td>
</tr>
<tr>
<td>AJ 14</td>
<td>Community Oriented Policing</td>
<td>3</td>
</tr>
<tr>
<td>AJ 10</td>
<td>Juvenile Procedures</td>
<td>3</td>
</tr>
<tr>
<td>AJ 11</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 99</td>
<td>Work Experience-AJ (P)</td>
<td>.5</td>
</tr>
</tbody>
</table>

**Certificate of Achievement in Court Personnel/Pre-law**

29 Units

**Program Code:** 11136.00CA

**Type:** Career

**GE:** None

**About the Program**

See AS Degree in Court Personnel/Pre-law

**Gainful Employment Information**

Certificate of Achievement in Court Personnel/Pre-law:

http://www.butte.edu/departments/curriculum/gainful-employment/1113600CA.html

**Student Learning Outcomes**

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

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

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 1</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 2</td>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 3</td>
<td>Legal Research</td>
<td>2</td>
</tr>
<tr>
<td>AJ 4</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>AJ 6</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 8</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 11</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 99</td>
<td>Work Experience-AJ (P)</td>
<td>3</td>
</tr>
<tr>
<td>or BCIS 59</td>
<td>Beginning Legal Office Procedures (3)</td>
<td></td>
</tr>
<tr>
<td>or BCIS 60</td>
<td>Advanced Legal Office Procedures (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>READ 2</td>
<td>Speed Reading (P)</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 2</td>
<td>Reading and Composition (3) (P)</td>
<td></td>
</tr>
</tbody>
</table>
Administration of Justice-Law Enforcement (AJLE)

AS Degree in Law Enforcement Academy - Basic

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

AS Degree in Law Enforcement Academy - Basic/State Parks Emphasis

Certificate of Achievement in Law Enforcement Academy - Basic

Certificate of Achievement in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis

Certificate of Achievement in Law Enforcement Academy - Basic/State Parks Emphasis

TBA

Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Law Enforcement Academy - Basic

Program Code: 17935.00AS
Type: Career
GE: Butte Local

About the Program

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. This program emphasizes laws and regulations regularly enforced by the Department of Fish and Wildlife. The AS degree employable skills are developed in conjunction with General Education.

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: www.butte.edu/departments/careertech/publicsafety/law_enforcement.html

Student Learning Outcomes

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

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

AS Degree in Law Enforcement Academy - Fish and Wildlife Emphasis

Program Code: 18988.01AS
Type: Career
GE: Butte Local

About the Program

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.

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: www.butte.edu/departments/careertech/publicsafety/fish_game.html

Student Learning Outcomes

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

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

AS Degree in Law Enforcement Academy - Basic/State Parks Emphasis

Program Code: 35937.00AS
Type: Career
GE: Local

About the Program

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.

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

Student Learning Outcomes

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

- Demonstrate competency in 42 P.O.S.T. learning domains.
- Demonstrate, through written exams, crime scene scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.
- Demonstrate, through written exams, P.O.S.T. scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.
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 15 minutes 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; andMust 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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Describe and interpret state and federal laws, rules, regulations decisions, court cases and guidelines which relate to accessibility to public parks and interpretive programs.
- Describe the public safety officer’s role in the EMS system.

Required courses for the major: 53.5 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJLE 100</td>
<td>Law Enforcement Academy Physical Training</td>
<td>(C) 2</td>
</tr>
<tr>
<td>AJLE 130</td>
<td>Law Enforcement Academy; Basic/State Parks Emphasis</td>
<td>(P/C) 43</td>
</tr>
<tr>
<td>AJLE 131</td>
<td>Basic Interpretation Learning System (BILS); State Parks Emphasis</td>
<td>4.5</td>
</tr>
<tr>
<td>AJLE 132</td>
<td>Emergency Medical Responder; State Parks Emphasis</td>
<td>3.5</td>
</tr>
<tr>
<td>AJLE 133</td>
<td>Patrol Rifle</td>
<td>(P) .5</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Law Enforcement Academy-Basic 37 Units

Program Code: 33254.00CA
Type: Career
GE: None

About the Program
See AS Degree in Law Enforcement Academy-Basic

Gainful Employment Information
Certificate of Achievement in Law Enforcement Academy-Basic
http://www.butte.edu/departments/curriculum/gainful-employment/3325400CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Evaluate and manage their physical fitness and maintain a healthy lifestyle in order to safely and effectively perform peace officer duties.
- 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.
- 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 for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 10</td>
<td>Critical Skills for College Success</td>
<td>(P) .5</td>
</tr>
<tr>
<td>AJLE 100</td>
<td>Law Enforcement Academy Physical Training</td>
<td>(C) 2</td>
</tr>
<tr>
<td>AJLE 140</td>
<td>Law Enforcement Academy</td>
<td>(P/C) 34.5</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis 50 Units

Program Code: 17970.01CA
Type: Career
GE: None

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

Gainful Employment Information
Certificate of Achievement in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis: www.butte.edu/curriculum/gainful-employment/1797001CA.html

Admission to the Program
See Admission to the Program for the AS Degree in Law Enforcement Academy - Basic/Fish and Wildlife Emphasis.
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

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

Certificate of Achievement in Law Enforcement Academy - Basic/State Parks Emphasis

Program Code: 36240.00CA
Type: Career
GE: None

About the Program
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 career training 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 15 minutes 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

Required courses for the certificate:
AJLE 141 Law Enforcement Academy; Fish and Wildlife Emphasis (P/C) 48
AJLE 100 Law Enforcement Academy Physical Training (C) 2

Required courses for the certificate:
AJLE 100 Law Enforcement Academy Physical Training (C) 2
AJLE 130 Law Enforcement Academy; Basic/State Parks Emphasis (P/C) 43
AJLE 131 Basic Interpretation Learning System (BILS); State Parks Emphasis 4.5
AJLE 132 Emergency Medical Responder; State Parks Emphasis 3.5
AJLE 133 Patrol Rifle (P) 5
Anthropology (ANTH)

AA-T Degree in Anthropology

Christine Trolinger, Chair (530) 895-2301
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate’s degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Anthropology 60 Units Minimum

Program Code: 31964.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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

Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
• Identify and discuss major topics relevant to Physical Anthropology, including human and primate evolution and variation among hominids.
• Define culture and apply the concept to a broad cross-cultural understanding of human behavior.
• Examine past cultural systems through analysis of physical cultural remains.
• Describe and analyze human linguistic systems and the influence of language on human perceptions of the world.

Required courses for the major: 18 - 20 Units

Required Core:
- ANTH 4 Cultural Anthropology 3
- ANTH 2 Physical Anthropology 3
- ANTH 16 Archaeology and Ancient Societies 3

List A: Select one
- ANTH 13 Magic, Witchcraft and Religion 3
- ANTH 14 Language and Culture 3
- MATH 18 Introduction to Statistics (P) 3

List B: Select one to two
- PSY 7 Introduction to Research Methods in Psychology (P) 3
- BIOL 20 Human Anatomy 4
- GEOL 32 Physical Geology with Lab 4

List C: Select one
- Any course from List A or B not already used
  - ANTH 18 World Cultures 3
  - ANTH 32 Native Americans 3
  - ANTH 33 Ancient Mesoamerica 3
  - ANTH 34 Native Americans Today 3
Art (ART)

AA-T Degree in Art History
AA-T Degree in Studio Arts
AA Degree in Arts
AA Degree in Ceramics
Certificate of Achievement in Ceramics

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Art History 60 Units Minimum

Program Code: 31951.01AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify, examine, and assess representative works of art and architecture from diverse world cultures and time periods employing appropriate art historical terminology.
• Analyze, discuss, and differentiate works of art and architecture in terms of historical context.
• Analyze, discuss, and distinguish the roles of art, architecture, and the artist from diverse world cultures and time periods.
• Employ college-level writing skills, creativity, and critical thinking in completing independent projects in the field of Art History.

Required courses for the major: 18 Units
Required Core:
ART 2 Art History Survey I 3
or ART 2H Honors Art History Survey I (3)
ART 4 Art History Survey II 3
or ART 4H Honors Art History Survey II (3)
ART 8 Basic Drawing 3

List A: Select one
ART 3 Asian Art History Survey 3
ART 6 African, Oceanic, and Native American Art History Survey 3

List B: Select one
ART 14 Basic Figure Drawing 3
ART 17 Beginning Painting 3
ART 23 Introduction to Printmaking 3
ART 50 Beginning Ceramics 3
ART 60 Beginning Sculpture 3
MSP 30 Introduction to Digital Art 3
PHO 2 Introduction to Photography 3
ART 81 Introduction to Fiber Arts 3

AA-T Degree in Studio Arts 60 Units Minimum

Program Code: 32093.01AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Employ technical skills, creativity, critical thinking, and conceptual problem-solving in completing independent projects in the fields of Visual Art, Design, and Studio Arts.
• Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
• Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
• 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 for the major: 24 Units
Required Core:
ART 4 Art History Survey II 3
or ART 4H Honors Art History Survey II (3)
ART 7 2-D Foundations 3
ART 9 3-D Foundation 3
ART 8 Basic Drawing 3

List A: Select one
ART 2 Art History Survey I 3
or ART 2H Honors Art History Survey I (3)
ART 3 Asian Art History Survey 3
ART 6 African, Oceanic, and Native American Art History Survey 3

List B: Select three
ART 14 Basic Figure Drawing 3
ART 17 Beginning Painting 3
ART 23 Introduction to Printmaking 3
ART 50 Beginning Ceramics 3
ART 60 Beginning Sculpture 3
MSP 30 Introduction to Digital Art 3
PHO 2 Introduction to Photography 3
ART 81 Introduction to Fiber Arts 3

AA Degree in Arts 60 Units Minimum

Program Code: 01329.01AA
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent visual art projects in the fields of Visual Art, Design, and/or Art History.
- Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
- Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
- 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 for the major: 24 - 27 Units

Must complete core plus one CSU, Chico Option
Required Core Courses
ART 7 2-D Foundations 3
ART 8 Basic Drawing 3
ART 9 3-D Foundation 3

Art Education Option at CSU, Chico
ART 1 Art Appreciation 3
ART 17 Beginning Painting 3
ART 23 Introduction to Printmaking 3
MSP 30 Introduction to Digital Art 3
ART 50 Beginning Ceramics 3

Select one from:
ART 14 Basic Figure Drawing 3
PHO 4 Color Photography (P) 3
ART 60 Beginning Sculpture 3

Art Studio Option at CSU, Chico
ART 4 Art History Survey II 3
ART 14 Basic Figure Drawing 3

Select one from:
ART 2 Art History Survey I 3
ART 3 Asian Art History Survey 3
ART 6 African, Oceanic, and Native American Art History Survey 3

Select two from:
PHO 2 Introduction to Photography 3
PHO 4 Color Photography (P) 3
ART 50 Beginning Ceramics 3
ART 60 Beginning Sculpture 3

AA Degree in Ceramics 60 Units Minimum

Program Code: 11128.00AA
Type: Local
GE: Butte Local

About the Program
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 craftperson, 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent visual art projects in the medium of ceramics.
- Analyze, compare, and synthesize significant global ideas and primary original works of ceramic art from diverse cultures and time periods.
- Produce, present, and describe a portfolio consisting of original ceramic artworks.
- Demonstrate proficient and safe use of a variety of equipment, materials, and tools when creating works of ceramic art.

Required courses for the major: 26 Units

ART 2 Art History Survey I 3
or ART 2H Honors Art History Survey I (3)
or ART 4 Art History Survey II (3)
or ART 4H Honors Art History Survey II (3)
ART 7 2-D Foundations 3
or ART 9 3-D Foundation (3)
ART 8 Basic Drawing 3
ART 50 Beginning Ceramics 3
ART 52 Intermediate Ceramics (P) 3
ART 54 Ceramics-Low Fire (P) 3
ART 56 Advanced Ceramics (P) 3
ART 60 Beginning Sculpture 3
ART 70 Gallery Production/Business of Art 2

Certificate of Achievement in Ceramics 18 Units

Program Code: 11128.00CA
Type: Local
GE: None

About the Program
See AA Degree in Ceramics

Gainful Employment Information
Certificate of Achievement in Ceramics
http://www.butte.edu/departments/curriculum/gainful-employment/1112800CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent visual art projects in the medium of ceramics.
- Analyze, compare, and synthesize significant global ideas and primary original works of ceramic art from diverse cultures and time periods.
- Produce, present, and describe a portfolio consisting of original ceramic artworks.
- Demonstrate proficient and safe use of a variety of equipment, materials, and tools when creating works of ceramic art.
### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 8</td>
<td>Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 50</td>
<td>Beginning Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 52</td>
<td>Intermediate Ceramics (P)</td>
<td>3</td>
</tr>
<tr>
<td>ART 54</td>
<td>Ceramics-Low Fire (P)</td>
<td>3</td>
</tr>
<tr>
<td>ART 56</td>
<td>Advanced Ceramics (P)</td>
<td>3</td>
</tr>
<tr>
<td>ART 70</td>
<td>Gallery Production/Business of Art</td>
<td>2</td>
</tr>
<tr>
<td>ART 99</td>
<td>Work Experience-ART (P)</td>
<td>1</td>
</tr>
</tbody>
</table>
## Automotive Technology (AUT)

### AS Degree in Automotive Technology

- **Certificate of Achievement in Automotive Technology**

Rob Holt, Chair (530) 895-2549  
Department Office: SC 115 (530) 895-2549, (530) 895-2549  
Counseling and Advising: (530) 895-2378  
Transfer Counseling Center: (530) 895-2264  

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AS Degree in Automotive Technology  60 Units Minimum

**Program Code:** 01323.00AS  
**Type:** Career  
**GE:** Butte Local

#### About the Program

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 nationwide 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.

#### Student Learning Outcomes

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

- Explain the principles of operation and maintenance required to repair all systems of the modern automobile.
- Safely and correctly maintain, diagnose and repair specific areas of the vehicle.

#### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 21</td>
<td>Automotive Brakes/Suspension and Steering Systems Lab</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 22</td>
<td>Automotive Heating and Air Conditioning Lecture</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 23</td>
<td>Automotive Heating and Air Conditioning Lab</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 52</td>
<td>Automatic Transmissions/Transaxles Lecture</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 53</td>
<td>Automatic Transmissions/Transaxles Lab</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 56</td>
<td>Manual Transmissions/Drivetrains Lecture</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 57</td>
<td>Manual Transmissions/Drivetrains Lab</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 30</td>
<td>Engine Performance and Emission Controls Lecture</td>
<td>(P/C)</td>
<td>5</td>
</tr>
<tr>
<td>AUT 31</td>
<td>Engine Performance and Emission Controls Lab</td>
<td>(P/C)</td>
<td>5</td>
</tr>
<tr>
<td>AUT 60</td>
<td>Hybrid and Alternative Fuel Technologies</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### Certificate of Achievement in Automotive Technology  48.5 Units

**Program Code:** 01323.00CA  
**Type:** Career  
**GE:** None

#### About the Program

See AS Degree in Automotive Technology.

#### Gainful Employment Information

Certificate of Achievement in Automotive Technology:  
www.butte.edu/curriculum/gainful-employment/0132300CA.html

#### Admission to the Program

See AS Degree in Automotive Technology.

#### Student Learning Outcomes

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

- Explain the principles of operation and maintenance required to repair all systems of the modern automobile.
- Safely and correctly maintain, diagnose and repair specific areas of the vehicle.

#### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 41</td>
<td>Specialized Automotive Electronics and Microcomputers</td>
<td></td>
<td>5.5</td>
</tr>
<tr>
<td>AUT 6</td>
<td>Automotive Electrical Systems Lecture</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 7</td>
<td>Automotive Electrical Systems Lab</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 8</td>
<td>Auto Engines Lecture</td>
<td>(P/C)</td>
<td>2.5</td>
</tr>
<tr>
<td>AUT 9</td>
<td>Automotive Engines Lab</td>
<td>(P/C)</td>
<td>2.5</td>
</tr>
<tr>
<td>AUT 20</td>
<td>Automotive Brakes/Suspension and Steering Systems Lab</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 21</td>
<td>Automotive Brakes/Suspension and Steering Systems Lab</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 22</td>
<td>Automotive Heating and Air Conditioning Lecture</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 23</td>
<td>Automotive Heating and Air Conditioning Lab</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 52</td>
<td>Automatic Transmissions/Transaxles Lecture</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 53</td>
<td>Automatic Transmissions/Transaxles Lab</td>
<td>(P/C)</td>
<td>3</td>
</tr>
<tr>
<td>AUT 56</td>
<td>Manual Transmissions/Drivetrains Lecture</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 57</td>
<td>Manual Transmissions/Drivetrains Lab</td>
<td>(P/C)</td>
<td>2</td>
</tr>
<tr>
<td>AUT 30</td>
<td>Engine Performance and Emission Controls Lecture</td>
<td>(P/C)</td>
<td>5</td>
</tr>
<tr>
<td>AUT 31</td>
<td>Engine Performance and Emission Controls Lab</td>
<td>(P/C)</td>
<td>5</td>
</tr>
<tr>
<td>AUT 60</td>
<td>Hybrid and Alternative Fuel Technologies</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

---

82  
Butte College 2018-2019 Catalog
Business Computer Information Systems (BCIS)

AS Degree in Business Information Worker
AS Degree in Legal Office Administration
AS Degree in Medical Office Administration
Certificate of Achievement in Business Information Worker
Certificate of Achievement in Legal Office Administration
Certificate of Achievement in Medical Office Administration
Certificate in Basic Computer Competency
Certificate in Business Information Worker
Certificate in Legal Office Administration
Certificate in Medical Office Administration

Sandy Sloan, Chair (530) 895-2385
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AS Degree in Business Information Worker 60 Units Minimum

**Program Code:** 01313.02AS
**Type:** Career
**GE:** Butte Local

**About the Program**
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. This program is aligned with a California statewide program that collaborates 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.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:
- Manage office information and records.
- Communicate professionally and work effectively in a team.
- Use email and calendaring software to communicate and manage time.
- Apply the features and functions of web-based tools efficiently and effectively in order to meet the desired goals and outcomes of business.
- Produce business documents with appropriate formatting using word processing software.
- Create spreadsheets with financial functions and charting.
- Plan and deliver individual or team oral presentations for business meetings.
- Use email and calendaring software to communicate and manage time.

### Required courses for the major: 30 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>Beginning Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 28</td>
<td>Microsoft Word for Windows</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 15</td>
<td>Web-based Tools for Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 47</td>
<td>Desktop Publishing</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 50</td>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 51</td>
<td>Records Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 70K</td>
<td>Adobe Acrobat Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 85</td>
<td>Microsoft Excel for Windows</td>
<td>3</td>
</tr>
</tbody>
</table>

**AS Degree in Legal Office Administration 60 Units Minimum**

**Program Code:** 01314.01AS
**Type:** Career
**GE:** Butte Local

**About the Program**
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.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:
- Identify and explain the difference among the six areas law.
- Demonstrate workflow processes of a legal environment.
- Analyze and assess legal clients' needs to determine appropriate solutions.
Program Code: 01315.01AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Apply computer skills to legal office activities.
• Utilize proper legal writing skills in all client and colleague communication.

Required courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 51</td>
<td>Records Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 70K</td>
<td>Adobe Acrobat Professional</td>
<td>1</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 59</td>
<td>Beginning Legal Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 60</td>
<td>Advanced Legal Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>AJ 3</td>
<td>Legal Research</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>Beginning Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 28</td>
<td>Microsoft Word for Windows</td>
<td>3</td>
</tr>
</tbody>
</table>

AS Degree in Medical Office Administration 60 Units Minimum

Certificate of Achievement in Business Information Worker 30 Units

Program Code: 01313.02CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Business Information Worker: http://www.butte.edu/departments/curriculum/gainful-employment/0131302CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.
• Describe the outpatient medical workplace environment and function in that environment as a knowledgeable, skilled, and professional team member.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>Beginning Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 28</td>
<td>Microsoft Word for Windows</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>Business Math Calculations</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 15</td>
<td>Web-based Tools for Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 24</td>
<td>Keyboarding Speed/Accuracy Development</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 47</td>
<td>Desktop Publishing</td>
<td>2</td>
</tr>
</tbody>
</table>
Certificate of Achievement in Medical Office Administration 29 Units

Program Code: 01314.01CA
Type: Career
GE: None

About the Program
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 employers.

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.

Gainful Employment Information
Certificate of Achievement in Medical Office Administration:
www.butte.edu/curriculum/gainful-employment/0131401CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and explain the difference among the six areas of law.
• Analyze and assess legal clients' needs to determine appropriate solutions.
• 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.

Required courses for the certificate:
BCIS 33 Skills for the Working Professional 1
BCIS 46 Business Math Calculations 2
BCIS 51 Records Management 3
BCIS 18 Introduction to Business Technology 3
BCIS 13 Business Communication 3
BCIS 70K Adobe Acrobat Professional 1
BUS 8 Legal Environment of Business 3
BCIS 59 Beginning Legal Office Procedures 3
BCIS 60 Advanced Legal Office Procedures 3
BCIS 20 Beginning Keyboarding 2
BCIS 28 Microsoft Word for Windows 3
AJ 3 Legal Research 2

Certificate of Achievement in Legal Office Administration 29 Units

Program Code: 01314.01CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Legal Office Administration:
www.butte.edu/curriculum/gainful-employment/0131401CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Apply knowledge of medical terminology to perform outpatient/physician diagnostic coding, and determine outpatient/procedural coding based on the abstraction of medical records.
• Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

Required courses for the certificate:
BCIS 18 Introduction to Business Technology 3
BCIS 13 Business Communication 3
ALH 104 Medical Terminology 3
BCIS 33 Skills for the Working Professional 1
HIM 62 Introduction to Medical Coding 3
HIM 63 Reimbursement 3
HIM 76 Electronic Health Records 3
BCIS 20 Beginning Keyboarding 2
BIOL 10 Survey of Human Systems 4
HIM 56 Introduction to Health Information Management 2
HIM 58 Healthcare Law and Ethics 2

Certificate in Basic Computer Competency 5 - 6 Units

Program Code: COMPUTERCOMP.CC

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Apply knowledge of basic computer operations, use input technology, and apply knowledge of file management and the operating system.
• 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.
• Demonstrate a minimum keyboarding skill of 25 words per minute.

Required courses for the certificate:
BCIS 20 Beginning Keyboarding 2
or BCIS 24 Keyboarding Speed/Accuracy Development (P) (1)
BCIS 18 Introduction to Business Technology 3
BCIS 84 Basics of Computers 1
**Certificate in Business Information Worker**

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>BIW.CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- Solve mathematical problems; analyze and interpret data; and apply sound decision-making skills.
- 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 for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 13</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 28</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 46</td>
<td>2</td>
</tr>
</tbody>
</table>

**Certificate in Legal Office Administration**

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>BCISLEGALADM.CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- Identify and explain the difference among the six areas of law.
- Apply computer skills to legal office activities.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 18</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 59</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>2</td>
</tr>
<tr>
<td>BCIS 28</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>1</td>
</tr>
<tr>
<td>ALH 104</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>2</td>
</tr>
<tr>
<td>HIM 56</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 10</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 12</td>
<td>2</td>
</tr>
</tbody>
</table>

**Certificate in Medical Office Administration**

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>MEDOFFADMIN.CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

**About the Program**

This is the first tier of the Medical Office Administration (MOA) career pathway. Students completing this beginning certificate will 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.

**Student Learning Outcomes**

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

- 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.
- Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 18</td>
<td>3</td>
</tr>
<tr>
<td>ALH 104</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 20</td>
<td>2</td>
</tr>
<tr>
<td>HIM 56</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 10</td>
<td>4</td>
</tr>
</tbody>
</table>

**BIOL 12** Survey of Human Systems

86 Butte College 2018-2019 Catalog
Biology (BIOL)

AS-T Degree in Biology
AS Degree in Biological Science

Gary Lechner, Chair (530) 893-7416
Department Office: TE 132, (530) 879-6106
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Biology 60 Units Minimum

Program Code: 35022.00AS-T
Type: Transfer
GE: IGETC

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Critically analyze and accurately express an understanding of scientific work in the context of the scientific method.
• Demonstrate academic skills needed for success in biology after transfer.
• Apply knowledge of fundamental biological principles such as evolution and taxonomy and ecological, physiological and molecular processes.
• Correctly employ scientific techniques and correctly use scientific equipment.

Required courses for the major: 38 Units

Required Core:
BIOL 11 Zoology 5
BIOL 12 Botany 5
BIOL 13 Cell and Molecular Biology (P) 5

List A:
CHEM 1 General Chemistry I (P) 5
CHEM 2 General Chemistry II (P) 5
MATH 30 Analytic Geometry and Calculus I (P) 5
PHYS 21 College Physics I (P) 4
and PHYS 22 College Physics II (4) (P)

OR
PHYS 41 Physics for Scientists and Engineers I (P) 4
and PHYS 42 Physics for Scientists and Engineers II (4) (P)

AS Degree in Biological Science 60 Units Minimum

Program Code: 01306.00AS
Type: Local
GE: Butte Local

About the Program
This major also serves as a basis for pre-medicine, pre-dentistry and pre-veterinarian students.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Critically analyze and accurately express an understanding of scientific work in the context of the scientific method.
• Demonstrate academic skills needed for success in biology after transfer.
• Apply knowledge of fundamental biological principles such as evolution and taxonomy and ecological, physiological and molecular processes.
• Correctly employ scientific techniques and correctly use scientific equipment.

Required courses for the major: 25 Units

BIOL 11 Zoology 5
BIOL 12 Botany 5
BIOL 13 Cell and Molecular Biology (P) 5
CHEM 1 General Chemistry I (P) 5
CHEM 2 General Chemistry II (P) 5

The following courses articulate with course's required for CSU Chico's Biological Sciences major but are not required for the Butte College AS in Biological Science.

CHEM 21 Organic Chemistry I (5) (P)
PHYS 21 College Physics I (4) (P)
PHYS 22 College Physics II (4) (P)
SOC 5 Our Sustainable Future (3)
MATH 13 Survey of Calculus (4) (P)

This major also serves as a basis for pre-medicine, pre-dentistry and pre-veterinarian students.

Butte College 2018-2019 Catalog 87
## Business (BUS)

AS-T Degree in Business Administration
AS Degree in Business Administration
AS Degree in Business Management
AS Degree in Marketing
AS Degree in Small Business/Entrepreneurship
Certificate of Achievement in Business Management
Certificate of Achievement in Marketing
Certificate of Achievement in Retail Management
Certificate of Business on the Web
Certificate in Human Resources
Certificate in Small Business Institute

Patrick Christensen, Chair (530) 895-2598
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AS-T Degree in Business Administration 60 Units Minimum

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>31940.00AS-T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Transfer</td>
</tr>
<tr>
<td>GE:</td>
<td>CSU or IGETC</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- 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.
- Use appropriate business terminology to describe the functional areas of business enterprises.
- Assess business scenarios using a systematic, evaluative, quantitative, ethical and information-based approach.
- Evaluate the legal, economic and social impacts of business decisions.
- Prepare, analyze, interpret and discuss an entity's basic financial statements, as a basis for business decisions.
- Demonstrate analytical, teamwork, oral and written communication skills and ethical and professional conduct.

### Required courses for the major: 26 - 27 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 4</td>
<td>Managerial Accounting</td>
<td>(P) 4</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Macroeconomics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: Select one**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 13</td>
<td>Survey of Calculus</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MATH 12</td>
<td>Mathematics for Business Decisions (Finite Mathematics)</td>
<td>(P) 3</td>
</tr>
</tbody>
</table>

**List B: Select two**

Any course from List A not already used

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 2</td>
<td>Business and Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
</tbody>
</table>

### AS Degree in Business Administration 60 Units Minimum

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>01307.00AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Local</td>
</tr>
<tr>
<td>GE:</td>
<td>Butte Local</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- Discuss the context in which businesses operate and the impacts of environmental factors (including competitors and economic markets) on businesses.
- Use appropriate business terminology to describe the functional areas of business enterprises.
- Assess business scenarios using a systematic, evaluative, quantitative, ethical and information-based approach.
- Evaluate the economic, social and competitive impacts of business decisions.
- Prepare, analyze, interpret and discuss an entity's basic financial statements as a basis for business decisions.
- Demonstrate analytical, teamwork, oral and written communication skills and ethical and professional conduct.

### Required courses for the major: 23 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 4</td>
<td>Managerial Accounting</td>
<td>(P) 4</td>
</tr>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Macroeconomics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MATH 12</td>
<td>Mathematics for Business Decisions (Finite Mathematics)</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics</td>
<td>(P) 3</td>
</tr>
</tbody>
</table>
**AS Degree in Business Management**

**Program Code:** 01310.00AS  
**Type:** Career  
**GE:** Butte Local

**About the Program**
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.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:
- Identify business terms and concepts, and effectively communicate using the language of business.
- Make effective business decisions using a systematic, evaluative, information-based approach.
- 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 for the major:** 37 - 39 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 44</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business (P)</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional (P)</td>
<td>1</td>
</tr>
<tr>
<td>Electives - Select 1 course from the following:</td>
<td>2 - 4</td>
<td></td>
</tr>
<tr>
<td>BUS 50</td>
<td>Sales in Today's World (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 60</td>
<td>Advertising and Copywriting (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 68</td>
<td>Business on the Internet (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 85</td>
<td>Microsoft Excel for Windows (3)</td>
<td>(P)</td>
</tr>
<tr>
<td>ACCT 4</td>
<td>Managerial Accounting (P)</td>
<td>(P)</td>
</tr>
<tr>
<td>ACCT 100</td>
<td>QuickBooks Pro-Computerized Accounting (2)</td>
<td>(P)</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology (3)</td>
<td></td>
</tr>
</tbody>
</table>

**Electives - Select 6 unit from the following:**

- ART 31 Graphic Design I (3)  
- BUS 25 Small Business Management (3)  
- BCIS 47 Desktop Publishing (2)  
- MSP 5 Introduction to Interactive Web Design and Authoring (3)  
- MSP 74 Multimedia Production I (3)  
- BCIS 15 Web-based Tools for Business (3)  
- BCIS 18 Introduction to Business Technology (3)


---

**AS Degree in Marketing**

**Program Code:** 01311.00AS  
**Type:** Career  
**GE:** Butte Local

**About the Program**
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 are also important for people who wish to improve their performance in existing jobs or develop their own businesses.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:
- Identify business terms and concepts, and effectively communicate using the language of business.
- Make effective business decisions using a systematic, evaluative, information-based approach.
- 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 for the major:** 41 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 44</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business (P)</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional (P)</td>
<td>1</td>
</tr>
<tr>
<td>Electives - Select 6 unit from the following:**</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ART 31</td>
<td>Graphic Design I (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 47</td>
<td>Desktop Publishing (2)</td>
<td></td>
</tr>
<tr>
<td>MSP 5</td>
<td>Introduction to Interactive Web Design and Authoring (3)</td>
<td></td>
</tr>
<tr>
<td>MSP 74</td>
<td>Multimedia Production I (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 15</td>
<td>Web-based Tools for Business (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology (3)</td>
<td></td>
</tr>
</tbody>
</table>

**AS Degree in Small Business/Entrepreneurship**

**Program Code:** 11122.00AS  
**Type:** Career  
**GE:** Butte Local

**About the Program**
The Small Business/Entrepreneurship 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 are also important for people who wish to improve their performance in existing jobs or develop their own businesses.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:
- Identify business terms and concepts, and effectively communicate using the language of business.
- Make effective business decisions using a systematic, evaluative, information-based approach.
- 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 for the major:** 41 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 44</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business (P)</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional (P)</td>
<td>1</td>
</tr>
<tr>
<td>Electives - Select 6 unit from the following:**</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ART 31</td>
<td>Graphic Design I (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 47</td>
<td>Desktop Publishing (2)</td>
<td></td>
</tr>
<tr>
<td>MSP 5</td>
<td>Introduction to Interactive Web Design and Authoring (3)</td>
<td></td>
</tr>
<tr>
<td>MSP 74</td>
<td>Multimedia Production I (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 15</td>
<td>Web-based Tools for Business (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology (3)</td>
<td></td>
</tr>
</tbody>
</table>
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify business terms and concepts, and effectively communicate using the language of business.
• Make effective business decisions using a systematic, evaluative, information-based approach.
• 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 for the major: 37 - 38 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 128</td>
<td>Bookkeeping</td>
<td>2</td>
</tr>
<tr>
<td>or ACCT 20</td>
<td>Introduction to Accounting (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 68</td>
<td>Business on the Internet</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>- Select 3 units from the following:</td>
<td>3</td>
</tr>
<tr>
<td>BUS 60</td>
<td>Advertising and Copywriting (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 50</td>
<td>Sales in Today's World (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 85</td>
<td>Microsoft Excel for Windows (3) (P)</td>
<td></td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology (3)</td>
<td></td>
</tr>
</tbody>
</table>

Certificate of Achievement in Business Management 30 Units

Program Code: 01310.00CA
Type: Career
GE: None

About the Program
See AS Degree in Business Management.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify business terms and concepts, and effectively communicate using the language of business.
• Make effective business decisions using a systematic, evaluative, information-based approach.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 128</td>
<td>Bookkeeping</td>
<td>2</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 68</td>
<td>Business on the Internet</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Marketing 29 Units

Program Code: 01311.00CA
Type: Career
GE: None

About the Program
See AS Degree in Marketing.

Gainful Employment Information
Certificate of Achievement in Marketing:
www.butte.edu/curriculum/gainful-employment/0131100CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify business terms and concepts, and effectively communicate using the language of business.
• Make effective business decisions using a systematic, evaluative, information-based approach.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 60</td>
<td>Advertising and Copywriting (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 50</td>
<td>Sales in Today's World (3)</td>
<td></td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 81</td>
<td>Microsoft Excel for Business</td>
<td>1</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Retail Management 30 Units

Program Code: 01317.01CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Retail Management:
www.butte.edu/curriculum/gainful-employment/0131701CA.html
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Define the terms, principles and theories relating to retail planning, strategy and implementation.
- Conduct a retail audit to demonstrate mastery of course concepts including customer buying behavior, retail planning, strategy, store layout, visual merchandising, and operations.
- Analyze a retail marketing strategy and its appropriateness given target market(s).

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2</td>
<td>Public Speaking (3)</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 20</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 66</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 50</td>
<td>Sales in Today's World</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 60</td>
<td>Advertising and Copywriting (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 44</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 40</td>
<td>Organization Management (3)</td>
<td></td>
</tr>
</tbody>
</table>

Certificate in Business on the Web 15 Units

Program Code: BUSONWEB.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Understand business terms and concepts, and effectively communicate using the language of business.
- Make effective web-based business decisions using a systematic, evaluative, information-based approach.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 64</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 68</td>
<td>Business on the Internet</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 13</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 15</td>
<td>Web-based Tools for Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Human Resources 17 Units

Program Code: HUMANRES.CC
Type: Career
GE: None

About the Program
Students explore important issues in human resources 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 as a human resources assistant. Human resource assistants help with recruiting, hiring, employee orientation, training, development, compensation, benefits, safety and wellness of employees.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Analyze theories and strategies for maximizing employee productivity and motivation.
- Identify and describe federal and state compliance requirements relating to payroll and human resource management.
- Identify and demonstrate high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multi-cultural, team-oriented, rapidly-changing environment.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 40</td>
<td>Organization Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 44</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 110</td>
<td>Accounting for Payroll</td>
<td>3</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 86</td>
<td>Microsoft Access for Windows</td>
<td>2</td>
</tr>
</tbody>
</table>

Certificate in Small Business Institute 9 - 10 Units

Program Code: SMALLBUSINST.CC
Type: Career
GE: None

About the Program
Covers the practical considerations, challenges and rewards associated with starting and operating a small business. Explores how to identify small business opportunities, the factors influencing entrepreneurial success, financing, marketing, managing, record-keeping and computer applications to support small business operations.

This program is designed to teach students to design, launch and run new businesses or startup organizations. This requires students to solve problems, develop management strategies, make oral presentations, and write reports including business plans.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Assess business opportunities and determine their feasibility and potential using tools such as financial and competitive analysis.
- Conduct small business marketing research, using primary and secondary resources.
- Write a comprehensive business plan that provides an organized overview of the venture and identifies key business strategies and tactics.
- Define business terms and concepts, and effectively communicate using the language of business.
Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 29</td>
<td>Supervising Employees</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 128</td>
<td>Bookkeeping</td>
<td>2</td>
</tr>
<tr>
<td>or ACCT 20</td>
<td>Introduction to Accounting (3)</td>
<td></td>
</tr>
</tbody>
</table>
Child Development and Family Relations (CDF)

AA-T Degree in Child and Adolescent Development
AS-T Degree in Early Childhood Education
AS Degree in Child Development
AS Degree in Early Childhood Education
Certificate of Achievement in Early Childhood Education
Certificate in Child and Family Studies
Certificate in Early Childhood Education

Terri Hutton, Chair (530) 895-2855
Department Office: AHPS 251, (530) 895-2542
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Child and Adolescent Development 60 Units Minimum Development

Program Code: 35197.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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.

Student Learning Outcomes

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

• Synthesize research-based theories including principles and practices of child development and learning.
• Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies.
• Utilize scientific methodologies to research human development from infancy through adolescence.
• Exhibit the ability to use evidence based assessment systems and curriculum planning systems to support children's learning and development.
• Knowledge of development in all learning domains from conception through adolescence, including knowledge about typical and atypical development.
• Demonstrates the ability to promote developmentally, culturally and linguistically appropriate strategies to address diverse approaches to learning.

Required courses for the major: 18 - 19 Units

Required Core:
CDF 14 Child Growth and Development 3
CDF 40 Observation and Assessment (P) 3
PSY 1 Principles of Psychology 3
MATH 18 Introduction to Statistics (P) 3

List A: Select three courses from at least 2 groups

Group 1
ANTH 4 Cultural Anthropology 3
SOC 2 Principles of Sociology 3

Group 2
PSY 15 Lifespan Psychology 3
SOC 13 Introduction to Marriage, Family and Intimate Relationships 3

Group 3
BIOL 1 Introduction to Biology 4

Group 4
CDF 12 Child, Family, and Community 3
CDF 63 Introduction to Early Childhood Education Curriculum 3

AS-T Degree in Early Childhood Education 60 Units Minimum Development

Program Code: 31941.00AS-T
Type: Transfer
GE: CSU or IGETC

About the Program

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.

Student Learning Outcomes

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

• Synthesize research-based theories including principles and practices of child development and learning.
• Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
• 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.
• Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum while engaging in reflective practices as collaborative learners.

Required courses for the major: 24 Units

Required Core:
CDF 14 Child Growth and Development 3
CDF 12 Child, Family, and Community 3
CDF 48 Principles and Practices of Teaching Young Children 3
CDF 63 Introduction to Early Childhood Education Curriculum (P) 3
CDF 40 Observation and Assessment (P) 3
CDF 78 Early Childhood Education Practicum (P) 3
CDF 80 Health, Safety and Nutrition 3
CDF 57 Teaching in a Diverse Society 3

Butte College 2018-2019 Catalog
AS Degree in Child Development 60 Units Minimum

Program Code: 16226.00AS
Type: Local
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Synthesize research-based theories including principles and practices of child development and learning.
• Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
• 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.
• Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
• 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 for the major: 18 - 19 Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN 2</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 40</td>
<td>Observation and Assessment (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 63</td>
<td>Introduction to Early Childhood Education Curriculum (P)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 8</td>
<td>Introduction to Marriage, Family and Intimate Relationships</td>
<td>3</td>
</tr>
<tr>
<td>PSY 41</td>
<td>Socio-Cultural Context of Psychological Development</td>
<td>3</td>
</tr>
</tbody>
</table>

AS Degree in Early Childhood Education 60 Units Minimum

Program Code: 01349.00AS
Type: Career
GE: Butte Local

About the Program
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).

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Synthesize research-based theories including principles and practices of child development and learning.
• Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
• 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.
• Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
• 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 for the major: 39 Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF 12</td>
<td>Child, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 18</td>
<td>Children with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>CDF 40</td>
<td>Observation and Assessment (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 44</td>
<td>Positive Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CDF 48</td>
<td>Principles and Practices of Teaching Young Children (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 56</td>
<td>Prenatal, Infant, and Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 57</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>CDF 63</td>
<td>Introduction to Early Childhood Education Curriculum (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 78</td>
<td>Early Childhood Education Practicum (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 80</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives - Select 6 units from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF 20</td>
<td>Curriculum for Children with Special Needs (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 30</td>
<td>Adult Supervision and Mentoring in Early Care and Education (2)</td>
<td>2</td>
</tr>
<tr>
<td>CDF 59</td>
<td>Anti-Bias Curriculum in Early Childhood Programs (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 65</td>
<td>Infant/Toddler Curriculum (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 84</td>
<td>Administration I: Programs in Early Childhood Education (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 85</td>
<td>Admin II: Personnel &amp; Leadership in Early Childhood Education (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 91</td>
<td>Parenting in Today's Society (3)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 99</td>
<td>Work Experience-CDF (3) (P)</td>
<td></td>
</tr>
<tr>
<td>CDF 93</td>
<td>Strengthening Families (3)</td>
<td>3</td>
</tr>
</tbody>
</table>
Certificate of Achievement in Early Childhood Education

Program Code: 01349.00CA
Type: Career
GE: None

About the Program
Students who earn this certificate will meet the requirements for the teacher level of the California Child Development Permit and become capable and competent teachers of children up to age five. Additional work experience and general education coursework is required to qualify for a state permit.

Gainful Employment Information
Certificate of Achievement in Early Childhood Education: www.butte.edu/curriculum/gainful-employment/01349.00CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Synthesize research-based theories including principles and practices of child development and learning.
- Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
- 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.
- Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
- 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 for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF 12</td>
<td>Child, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 18</td>
<td>Children with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>CDF 40</td>
<td>Observation and Assessment (P)</td>
<td>3</td>
</tr>
<tr>
<td>CDF 44</td>
<td>Positive Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CDF 56</td>
<td>Prenatal, Infant, and Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 57</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>CDF 63</td>
<td>Introduction to Early Childhood Education (P)</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Child and Family Studies

Program Code: CHILDFAMSTUDIES.CC
Type: Career
GE: None

About the Program
Students who earn a certificate in Child 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- 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.
- Describe the foundational health and nutritional needs of children 0-8 years of age;
- Demonstrate professional standards of ethical conduct working with families;
- Assume the role of change agents regarding issues, policies, & community needs that affect children, youth, and their families and;
- Identify current trends and issues in parenting the child.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF 12</td>
<td>Child, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 91</td>
<td>Parenting in Today’s Society</td>
<td>3</td>
</tr>
<tr>
<td>CDF 93</td>
<td>Strengthening Families</td>
<td>3</td>
</tr>
<tr>
<td>FN 8</td>
<td>Maternal and Child Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>
Chemistry (CHEM)

AS Degree in Chemistry

Jason Trento, Chair (530) 879-4305
Department Office: TE 132, (530) 879-6106
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses for the major</td>
<td>40</td>
</tr>
<tr>
<td>CHEM 1  General Chemistry I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>CHEM 2  General Chemistry II</td>
<td>(P) 5</td>
</tr>
<tr>
<td>CHEM 21 Organic Chemistry I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 30 Analytic Geometry and Calculus I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 31 Analytic Geometry and Calculus II</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 32 Analytic Geometry and Calculus III</td>
<td>(P) 4</td>
</tr>
<tr>
<td>PHYS 41 Physics for Scientists and Engineers I</td>
<td>(P) 4</td>
</tr>
<tr>
<td>PHYS 42 Physics for Scientists and Engineers II</td>
<td>(P) 4</td>
</tr>
<tr>
<td>PHYS 43 Physics for Scientists and Engineers III</td>
<td>(P) 4</td>
</tr>
</tbody>
</table>
Communication Studies (CMST)

AA-T Degree in Communication Studies
AA Degree in Communication Studies

Laura Rapozo-Davis, Chair (530) 879-4341
Department Office: ARTS 224, (530) 895-2994
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Communication Studies 60 Units Minimum

Program Code: 30997.00AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Demonstrate communication skills to connect, work, and play well with others.
• Communicate ethically.
• Research, organize, and create messages using appropriate resources.
• Effectively present formal and informal communication adapted to a variety of audiences and contexts.
• Demonstrate critical thinking.

Required courses for the major: 18 Units
Required Core:
CMST 2 Public Speaking 3
or CMST 2H Honors Public Speaking (3)
CMST 4 Small Group Communication 3
CMST 9 Intercultural Communication 3
CMST 10 Interpersonal Communication 3
CMST 14 Argumentation and Debate (P) 3

List A: Select two
CMST 6 Oral Interpretation 3
CMST 9 Intercultural Communication 3
CMST 12 Forensics (Speech and Debate) 3
RTVF 12 Mass Media and Society 3

List B: Select two
Any List A course not used above
CMST 6 Oral Interpretation 3
CMST 9 Intercultural Communication 3
CMST 12 Forensics (Speech and Debate) 3
RTVF 12 Mass Media and Society 3

List C: Select one
Any List A or List B course not used above
CMST 13 Gender and Communication 3
JOUR 2 Introduction to Reporting and Newswriting 3

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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Demonstrate communication skills to connect, work and play well with others.
• Communicate ethically.
• Research, organize, and create messages using appropriate resources.
• Effectively present formal and informal communication adapted to a variety of audiences and contexts.
• Demonstrate critical thinking.

Required courses for the major: 18 Units
CMST 2 Public Speaking 3
or CMST 2H Honors Public Speaking (3)
CMST 4 Small Group Communication 3
CMST 9 Intercultural Communication 3
CMST 10 Interpersonal Communication 3
CMST 12 Forensics (Speech and Debate) 3
CMST 14 Argumentation and Debate (P) 3

AA Degree in Communication Studies 60 Units Minimum

Program Code: 19042.00AA
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for Communication Studies at CSU, Chico. Visit website for details www.assist.org

Butte College 2018-2019 Catalog 97
Cosmetology (COS)

AS Degree in Cosmetology
Certificate of Achievement in Cosmetology
Certificate in Cosmetology to Barbering Crossover
Certificate in Esthetician
Certificate in Manicuring

Eileen Ross, Manager (530) 895-2022
Department Office: Butte College Cosmetology and Ba,
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Cosmetology 60 Units Minimum

Program Code: 01370.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
 Upon successful completion of this program, the student will be able to:

- Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.
- Demonstrate appropriate communication skills.
- Apply necessary health and safety rules.
- Safely and accurately use all equipment and products relating to the industry.
- Demonstrate the most current methods and procedures using professional tools and equipment.
- Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

Certificate of Achievement in Cosmetology 35 Units

Program Code: 01370.00CA
Type: Career
GE: None

About the Program
See AS Degree in Cosmetology

Gainful Employment Information
Certificate of Achievement in Cosmetology: www.butte.edu/curriculum/gainful-employment/0137000CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Safely and accurately use all equipment and products relating to the industry.
- Demonstrate the most current methods and procedures using professional tools and equipment.
- Apply necessary health and safety rules.
- Demonstrate appropriate communication skills.
- Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS 100</td>
<td>Introduction to Cosmetology</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 101</td>
<td>Cosmetology I</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 102</td>
<td>Cosmetology II</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 103</td>
<td>Cosmetology III</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 104</td>
<td>Cosmetology IV</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 105</td>
<td>Cosmetology V</td>
<td>(P)</td>
<td>5</td>
</tr>
<tr>
<td>COS 106</td>
<td>Cosmetology VI</td>
<td>(P)</td>
<td>5</td>
</tr>
</tbody>
</table>

Certificate in Cosmetology to Barbering Crossover 5 Units

Program Code: COSTOBARBERCROSS.CC
Type: Career
GE: None

About the Program
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.

**Student Learning Outcomes**

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

• Demonstrate proper tool and equipment use and care.
• Perform standard cutting positions and strokes with a straight razor.
• Demonstrate a facial and neck shave.
• Discuss the art and science of men’s hair cutting and styling.
• Discuss general sanitation and safety precautions of shaving.
• Perform straight razor-holding positions and cutting strokes.
• Demonstrate honing and strapping techniques.
• Discuss the evolution of barbering.
• Explain the difference between a standard shave, a once-over shave and a close shave from a standard shave.
• Explain the primary purpose of barber laws, rules and regulations.
• List the rules of professional ethics in barbering.
• List important characteristics used to determine a mustache design.
• Demonstrate and perform the following cutting techniques: fingers-and-shear, shear-over-comb, clipper cutting, clipper-over-comb, and razor cutting.

**Required courses for the certificate:**

COS 107  Cosmetology to Barbering Crossover  (P)  5

---

**Certificate in Esthetician**

16 Units

Program Code: ESTHETICIAN.CC
Type: Career
GE: None

**Student Learning Outcomes**

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

• Safely and accurately use all equipment and products relating to the industry.
• Demonstrate the most current methods and procedures using professional tools and equipment.
• Apply necessary health and safety rules.
• Demonstrate appropriate communication skills.
• Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

**Required courses for the certificate:**

COS 109  Esthetician (Skin Care)  (P)  16

---

**Certificate in Manicuring**

10 Units

Program Code: MANICURING.CC
Type: Career
GE: None

**Student Learning Outcomes**

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

• Safely and accurately use all equipment and products relating to the industry.
• Demonstrate the most current methods and procedures using professional tools and equipment.
• Apply necessary health and safety rules.
• Demonstrate appropriate communication skills.
• Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

**Required courses for the certificate:**

COS 108  Manicuring  (P)  10
Computer Science (CSCI)

AS-T Degree in Computer Science
AS Degree in Computer Animation and Game Development
AS Degree in Computer Information Systems
AS Degree in Computer Programming
AS Degree in Computer Science
AS Degree in Computer System Administration
Certificate of Achievement in Computer Programming
Certificate of Achievement in Computer System Administration
Certificate in Cisco Network Administration
Certificate in Computer Support Technician
Certificate in Microsoft Server Administration

Luke Sathrum, Chair (530) 895-2219
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Computer Science 60 Units Minimum

Program Code: 31930.00AS-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the organizational structure of computer hardware and its connection to computer software.
• 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.
• Design, implement, test, and debug algorithms to solve a variety of problems.
• Design, implement, test, and debug computer programs using fundamental constructs and a variety of data structures.
• Apply structured and object-oriented approaches to the design and implementation of computer programs.

Required courses for the major: 29 Units
Required Core:
CSCI 20 Programming and Algorithms I 3
CSCI 21 Programming and Algorithms II (P) 3
CSCI 10 Computer Architecture and Organization (P) 3
CSCI 22 Discrete Structures (P) 3
MATH 30 Analytic Geometry and Calculus I (P) 5
MATH 31 Analytic Geometry and Calculus II (P) 4
PHYS 41 Physics for Scientists and Engineers I (P) 4
PHYS 42 Physics for Scientists and Engineers II (P) 4

AS Degree in Computer Animation and Game Development 60 Units Minimum

Program Code: 31284.02AS
Type: Local
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video games and entertainment industries.
• 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.
• 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.
• Use a variety of artistic and technical techniques and tools to translate ideas into multimedia presentations.

Required courses for the major: 30 - 33 Units
Complete Core Plus One Option
CSCI 11 Introduction to Game Design and Development 3
CSCI 20 Programming and Algorithms I 3
CSCI 21 Programming and Algorithms II (P) 3
MSP 9 Concept Art and Design for Entertainment Media 3
MSP 45 3-D Computer Modeling and Animation 3
MSP 96 Introduction to Computer Graphics 3
DRAM 8 Principles of Acting I 3

Art Studio Option at CSU, Chico
ART 2 Art History Survey I 3
or ART 2H Honors Art History Survey I (3)
ART 7 2-D Foundations 3
ART 8 Basic Drawing 3
ART 14 Basic Figure Drawing 3

Communication Design Option at CSU, Chico
RTVF 30 Digital Audio Production 3
MSP 5 Introduction to Interactive Web Design and Authoring 3
MSP 74 Multimedia Production I 3

Butte College 2018-2019 Catalog
### AS Degree in Computer Information Systems

**Program Code:** 36241.00AS  
**Type:** Local  
**GE:** CSU

#### About the Program

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.

#### Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
- Define terminology, concepts, and functions of end-user Information Technology (IT) systems.
- Explain how fundamental principles of economics and accounting systems are used to inform business decisions and satisfy the needs of specific businesses and users.
- Articulate the types of business needs that can be addressed using information technology-based solutions.
- 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.
- 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.
- 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 for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 49</td>
<td>PCs and Peripherals/A+</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 23</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 23</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 20</td>
<td>Programming and Algorithms I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 21</td>
<td>Programming and Algorithms II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4</td>
<td>Introduction to Para Education</td>
<td>3</td>
</tr>
<tr>
<td>MATH 13</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 22</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
</tbody>
</table>

60 Units Minimum

### AS Degree in Computer Science

**Program Code:** 11138.00AS  
**Type:** Local  
**GE:** Butte Local

#### About the Program

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

#### Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
- Describe the organizational structure of computer hardware and its connection to computer software.
- Apply the structured approach to computer software system design.
- Apply the object-oriented approach to computer software system design.
- Document program source code following established conventions and standards.

#### Required courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 10</td>
<td>Computer Architecture and Organization</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 20</td>
<td>Programming and Algorithms I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 21</td>
<td>Programming and Algorithms II</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 22</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 2 courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 2</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 51</td>
<td>Elementary Inorganic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 52</td>
<td>Elementary Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 41</td>
<td>Physics for Scientists and Engineers I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 42</td>
<td>Physics for Scientists and Engineers II</td>
<td>4</td>
</tr>
</tbody>
</table>

60 Units Minimum

### AS Degree in Computer Programming

**Program Code:** 31307.01AS  
**Type:** Career  
**GE:** Butte Local

#### About the Program

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.

60 Units Minimum

Butte College 2018-2019 Catalog
AS Degree in Computer System Administration 60 Units Minimum

Program Code: 31306.01AS
Type: Career
GE: Butte Local

About the Program
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+.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Design and implement basic software solutions using the building blocks of modern computer software systems.
• Apply the fundamental techniques of computer security to ensure account and data integrity.
• Identify labor market needs and properly prepare for the most relevant industry certification exams.
• Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
• Install, configure, maintain, and network Microsoft desktop computer workstations.
• Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
• Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
• Implement a core Windows Server 2012 infrastructure in an existing enterprise environment.
• Implement, manage, maintain and provision services and infrastructure in a Windows Server 2012 environment.

Required courses for the major: 36 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 4</td>
<td>Introduction to Programming Concepts and Methodologies</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 17</td>
<td>Computer and Network Security/Security+ (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 25</td>
<td>Linux 1, Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 49</td>
<td>PCs and Peripherals/A+</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 48</td>
<td>Network Fundamentals and Cisco Level 1</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 53</td>
<td>Cisco Networks Level 2, Routing &amp; Switching (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 56</td>
<td>Cisco Networks Level 3 &amp; 4, Scaling and Connecting (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 70</td>
<td>Installing and Configuring Windows Server 2012 (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 65</td>
<td>Microsoft SQL Database Administration</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 71</td>
<td>Administering Windows Server 2012 (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 72</td>
<td>Configuring Advanced Windows 2012 Server Services (P)</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 33</td>
<td>Skills for the Working Professional</td>
<td>1</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Computer System Administration 24 Units

Program Code: 31236.01CA
Type: Career
GE: None

About the Program
See AS Degree in Computer System Administration

Gainful Employment Information
Certificate of Achievement in Computer System Administration: www.butte.edu/curriculum/gainful-employment/3123601CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Design and implement basic software solutions using the building blocks of modern computer software systems.
• Apply the fundamental techniques of computer security to ensure account and data integrity.
• Identify labor market needs and properly prepare for the most relevant industry certification exams.
• Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
• Install, configure, maintain, and network Microsoft desktop computer workstations.
• Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
• Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
• Implement a core Windows Server 2012 infrastructure in an existing enterprise environment.
• Implement, manage, maintain and provision services and infrastructure in a Windows Server 2012 environment.

Required courses for the certificate: 36 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 4</td>
<td>Introduction to Programming Concepts and Methodologies</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 20</td>
<td>Programming and Algorithms I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 21</td>
<td>Programming and Algorithms II (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 25</td>
<td>Linux 1, Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 31</td>
<td>Web Development I (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 32</td>
<td>Web Development II (P)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 18</td>
<td>Database Design</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 36</td>
<td>Programming Project (P)</td>
<td>2</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Computer Programming 24 Units

Program Code: 31246.01CA
Type: Career
GE: None

About the Program
See AS Degree in Computer Programming

Gainful Employment Information
Certificate of Achievement in Computer Programming: www.butte.edu/curriculum/gainful-employment/3124601CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Design and implement basic software solutions using the building blocks of modern computer software systems.
• Apply the fundamental techniques of computer security to ensure account and data integrity.
• Identify labor market needs and properly prepare for the most relevant industry certification exams.
• Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
• Install, configure, maintain, and network Microsoft desktop computer workstations.
• Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
• Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
• Implement a core Windows Server 2012 infrastructure in an existing enterprise environment.
• Implement, manage, maintain and provision services and infrastructure in a Windows Server 2012 environment.

Required courses for the certificate: 36 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 4</td>
<td>Introduction to Programming Concepts and Methodologies</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 17</td>
<td>Computer and Network Security/Security+ (P)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 25</td>
<td>Linux 1, Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 49</td>
<td>PCs and Peripherals/A+</td>
<td>4</td>
</tr>
</tbody>
</table>
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
• Design, build, configure, and maintain small to medium-sized computer networks utilizing switches, routers, and WAN connections.
• Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses for the certificate:
CSCI 48 Network Fundamentals and Cisco Level 1 4
CSCI 53 Cisco Networks Level 2, Routing & Switching (P) 3
CSCI 56 Cisco Networks Level 3 & 4, Scaling and Connecting (P) 3
CSCI 70 Installing and Configuring Windows Server 2012 (P) 3
CSCI 65 Microsoft SQL Database Administration (P) 3
CSCI 71 Administering Windows Server 2012 (P) 3
CSCI 72 Configuring Advanced Windows 2012 Server Services (P) 3
BCIS 33 Skills for the Working Professional 1

Certificate in Computer Support Technician 11 Units

Program Code: COMPUTERSUPPTECH.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
• Apply the fundamental techniques of computer security to ensure account and data integrity.
• Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
• Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses for the certificate:
CSCI 17 Computer and Network Security/Security+ (P) 3
CSCI 48 Network Fundamentals and Cisco Level 1 4
CSCI 49 PCs and Peripherals/A+ 4

Certificate in Microsoft Server Administration 9 Units

Program Code: MICROSOFTSERVER.CC
Type: Career
GE: None
Drafting (DFT)

AS Degree in Drafting and CAD Technology
Certificate in Architectural Drafting and Modeling

Luke Sathrum, Chair (530) 895-2219
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Drafting and CAD Technology 60 Units Minimum

Program Code: 01324.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the role of technical graphics in the engineering design process.
• Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
• Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
• 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 for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 4</td>
<td>Print Reading for Construction and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>or DFT 16</td>
<td>Print Reading For Industry and Manufacturing (3)</td>
<td></td>
</tr>
<tr>
<td>DFT 8</td>
<td>Engineering Graphics II (P)</td>
<td>3</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFT 24</td>
<td>Architectural Drafting Applications</td>
<td>3</td>
</tr>
<tr>
<td>DFT 46</td>
<td>Building Information Modeling I</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Drafting and CAD Technology 21 Units

Program Code: 01324.00CA
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the role of technical graphics in the engineering design process and in the architectural design process.
• Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
• Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
• Produce a project, architecture-based model from a given instruction set to an industry-based expectation for completeness and correctness.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 4</td>
<td>Print Reading for Construction and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFT 24</td>
<td>Architectural Drafting Applications</td>
<td>3</td>
</tr>
<tr>
<td>DFT 45</td>
<td>Building Information Modeling I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 46</td>
<td>Building Information Modeling II - Advanced Applications (P)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 20</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in 3D Mechanical Applications 9 Units

Program Code: 3DMECHAPPS.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Use a solid modeling application like Solid Works or Autodesk Inventor to develop parts, assemblies and output annotated drawings.
• Interpret and differentiate technical information provided on a manufacturing or fabrication print, including dimensions, tolerances, and specifications and other precision detail.
• 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.
Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 8</td>
<td>Engineering Graphics II (P)</td>
<td>3</td>
</tr>
<tr>
<td>DFT 16</td>
<td>Print Reading For Industry and Manufacturing</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Architectural Drafting and Modeling  
12 Units

Program Code: ARCHDRAFTMODEL.CC  
Type: Career  
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Read and interpret information provided by construction documents including: Plans, specifications, details and sections.
• Properly setup a CAD (computer-aided drafting) application like AutoCAD with drafting settings to create, edit, and save drawing files.
• Prepare a residential plan set with proper properties, layers, types and developments in model form with associated layouts for architectural applications.
• Identify, create and modify different types of building elements, views, and rendered views using a 3D modeling tool for architecture.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 4</td>
<td>Print Reading for Construction and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFT 24</td>
<td>Architectural Drafting Applications</td>
<td>3</td>
</tr>
<tr>
<td>DFT 45</td>
<td>Building Information Modeling I</td>
<td>3</td>
</tr>
</tbody>
</table>
Drama (DRAM)

AA-T Degree in Theatre Arts
Certificate in Theatre Arts

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2994
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate’s degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Theatre Arts 60 Units Minimum

Program Code: 31850.00AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
• Discuss theatre arts from classic to contemporary, including the growth of drama within the context of the human condition.
• Use appropriately the terminology of acting and the theatre.
• Analyze scripts as they pertain to performances.
• Demonstrate proficiency in specific areas of technical expertise.
• Collaborate with others to create theatre productions.
• Apply standard practices of ensemble playing in both rehearsal and performance environments.
• Analyze dramatic literature and productions to identify form and period.

Required courses for the major: 18 Units

List A: Select three
DRAM 9 Principles of Acting II (P) 3
DRAM 21 Introduction to Theatre Design 3
DRAM 22 Introduction to Stage Lighting 3
DRAM 15 Costume Construction I 3
Or if not used in Required Core:
DRAM 11 Youth Outreach Theatre 3
or DRAM 12 Rehearsal & Performance (3) (C) 3
or DRAM 14 Theatre Production Workshop (3) 3

List B: Select three
DRAM 8 Principles of Acting I 3
DRAM 12 Rehearsal & Performance (C) 3
DRAM 14 Theatre Production Workshop 3
Electives - Select 3 units from the following: 3
DRAM 4 Creative Drama and Theatre for Children 3
DRAM 9 Principles of Acting II (3) (P)
DRAM 15 Costume Construction I (3)
DRAM 100 Introduction to Professional Theatre (1)
MUS 30 Voice I (1)
DRAM 18 Musical Comedy Workshop (3) (P)
KIN 40 Jazz Dance I (1.5)
DRAM 19 Choreography for Performance (2) (C)

Certificate in Theatre Arts 15 Units

Program Code: THEATREARTS.CC
Type: Career
GE: None

About the Program
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 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
• Use appropriately the terminology of acting and the theatre.
• Collaborate with others to create theatre productions.
• Apply standard practices of ensemble playing in both rehearsal and performance environments.

Required courses for the certificate:

Required Core:
DRAM 2 Theatre Arts Appreciation 3
DRAM 8 Principles of Acting I 3
DRAM 100 Introduction to Professional Theatre (1)
MUS 30 Voice I (1)
DRAM 14 Theatre Production Workshop 3

Electives - Select 3 units from the following: 3
DRAM 9 Principles of Acting II (3) (P)
DRAM 15 Costume Construction I (3)
DRAM 100 Introduction to Professional Theatre (1)
MUS 30 Voice I (1)
DRAM 18 Musical Comedy Workshop (3) (P)
KIN 40 Jazz Dance I (1.5)
DRAM 19 Choreography for Performance (2) (C)
Economics (ECON)

AA-T Degree in Economics

Patrick Christensen, Chair (530) 895-2598
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Economics 60 Units Minimum

Program Code: 33927.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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

Student Learning Outcomes

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

• Apply macro and microeconomic models to understand differing perspectives on how an economy as well as different industries operate.
• Analyze how economic policy changes will effect an economy and specific industry structures.
• Utilize economic data and specific economic coefficients to understand how markets operate efficiently.
• Analyze markets to determine when they operate efficiently and when they fail.

Required courses for the major: 19 - 22 Units

Required Core:
- ECON 2 Principles of Macroeconomics (P) 3
- ECON 4 Principles of Microeconomics (P) 3
- MATH 18 Introduction to Statistics (P) 3
- MATH 13 Survey of Calculus (P) 4
  or MATH 30 Analytic Geometry and Calculus I (5) (P)

List A: Select one
- MATH 12 Mathematics for Business Decisions (Finite Mathematics) (P) 3
- MATH 31 Analytic Geometry and Calculus II (P) 4
- ACCT 2 Financial Accounting 4
- ACCT 4 Managerial Accounting (P) 4

List B: Select one

Any course from List A not already used
- ECON 20 Economic History of the U.S. 3
- ECON 35 Introduction to Environmental Economics 3
- MATH 32 Analytic Geometry and Calculus III (P) 4
- MATH 42 Linear Algebra (P) 3
Education (EDUC)

AA-T Degree in Elementary Teacher Education

AA Degree in Liberal Studies

Certificate in Para Education

Terri Hutton, Chair (530) 895-2855
Department Office: AHPS 251, (530) 895-2542
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Elementary Teacher Education 60 Units Minimum Education

Program Code: 33563.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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.

Student Learning Outcomes

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

• Create and maintain an inclusive learning environment that supports all students academic and personal success.
• Utilize observations and assessments to monitor student progress and create developmentally appropriate curriculum for instruction.
• Design learning experiences based on an understanding of students’ physical, cognitive, emotional, social, creative, cultural, and linguistic needs.
• Utilize observations and assessments to monitor student progress and create developmentally appropriate curriculum for instruction.
• Design learning experiences based on an understanding of students’ physical, cognitive, emotional, social, creative, cultural, and linguistic needs.
• Utilize observations and assessments to monitor student progress and create developmentally appropriate curriculum for instruction.
• Design learning experiences based on an understanding of students’ physical, cognitive, emotional, social, creative, cultural, and linguistic needs.

Required courses for the major: 48 Units

Required Core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>PSC 12</td>
<td>Concepts in Physical Science (P)</td>
<td>4</td>
</tr>
<tr>
<td>PSC 11</td>
<td>Earth Science with Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 4</td>
<td>Concepts in Mathematics for Teachers I (P)</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition (P)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4</td>
<td>Introduction to Literature (P)</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 8</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>LIST A:</td>
<td>Select one</td>
<td></td>
</tr>
<tr>
<td>CMST 14</td>
<td>Argumentation and Debate (P)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 11</td>
<td>Communication and Critical Thinking (P)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 7</td>
<td>Formal Logic and Writing (P)</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 6</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 8</td>
<td>Methods of Argument (P)</td>
<td>3</td>
</tr>
<tr>
<td>LIST B:</td>
<td>Select one</td>
<td></td>
</tr>
<tr>
<td>ART 1</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS 1</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>DRAM 2</td>
<td>Theatre Arts Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

Required courses for the major: 42 Units

Required Core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 2</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition (P)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 8</td>
<td>United States History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 10</td>
<td>United States History-1777 to Present (3)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 20</td>
<td>Economic History of the U.S. (3)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3</td>
<td>World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5</td>
<td>World History since 1500</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4</td>
<td>Concepts in Mathematics for Teachers I (P)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5</td>
<td>Concepts in Mathematics for Teachers II (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 6</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 11</td>
<td>Communication and Critical Thinking (P)</td>
<td></td>
</tr>
<tr>
<td>or MATH 7</td>
<td>Formal Logic and Writing (P)</td>
<td></td>
</tr>
<tr>
<td>or PHIL 8</td>
<td>Methods of Argument (P)</td>
<td></td>
</tr>
<tr>
<td>or CMST 14</td>
<td>Argumentation and Debate (P)</td>
<td></td>
</tr>
<tr>
<td>POS 2</td>
<td>United States Government</td>
<td>3</td>
</tr>
<tr>
<td>or POS 12</td>
<td>California State and Local Government (3)</td>
<td></td>
</tr>
<tr>
<td>PHIL 58</td>
<td>Teaching About Religion</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 41</td>
<td>Socio-Cultural Context of Psychological Development (3)</td>
<td></td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
</tbody>
</table>
CPC 12 Concepts in Physical Science (P) 4
or CPC 20 Introductory Physical Science (P)
and CPC 21 Introductory Physical Science Laboratory (P)

Liberal Studies: Bilingual Pattern
All of the above plus the following:

MCGS 36 Introduction to Chicano American Studies (3)
SPAN 3 Third Semester Spanish (4) (P)
SPAN 4 Fourth Semester Spanish (4) (P)

The following courses will meet additional CSU, Chico Liberal Studies requirements (including bilingual pattern) by special agreement and are not required for the Associates degree.

ANTH 4 Cultural Anthropology (3)
DRAM 4 Creative Drama and Theatre for Children (3)
GEOG 8 World Regional Geography (3)
GEOG 10 Geography of California (3)

Certificate in Para Education 12 Units

Program Code: PARAEDUC.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• explain their role and responsibilities as a para educator
• increase their knowledge about typical and atypical developmental patterns in children
• provide instructional supports using individualized educational plans for diverse learners

Required courses for the certificate:
CDF 14 Child Growth and Development 3
EDUC 2 Introduction to Education 3
EDUC 4 Introduction to Para Education 3
EDUC 5 Working With School-Age Children 3
Environmental Horticulture (EH)

AS-T Degree in Agriculture Plant Science

AS Degree in Environmental Horticulture

Certificate of Achievement in Environmental Horticulture

Certificate of Achievement in Landscape/Turfgrass Technician

Certificate of Achievement in Nursery Technician

Certificate of Achievement in Plant Protection

Tip Wilmarth, Chair (530) 895-2540
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Agriculture Plant Science  60 Units Minimum

Program Code: 35061.00AS-T
Type: Transfer
GE: CSU or IGETC

About the Program

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.

Student Learning Outcomes

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

• Demonstrate basic experimental knowledge through data gathering and analysis to solve problems in the laboratory and in the field.
• Practice safe work habits in an employment setting, including handling and storage of hazardous materials, equipment operation, and tool safety.
• Demonstrate mastery of general plant science skills for technical employment in the plant science management industry (agronomy, pomology, viticulture or nursery).
• Apply the principles of ecology, soil science, and plant science to crop management problems. Develop integrated pest management programs for specific crops.

Required courses for the major:  21 - 23 Units

Required Core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGS 50</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 51</td>
<td>Elementary Inorganic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 1</td>
<td>General Chemistry I (P)</td>
<td>5</td>
</tr>
<tr>
<td>AB 22</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
</tbody>
</table>

List A: Select one

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 70</td>
<td>Plant Propagation and Nursery Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

AS Degree in Environmental Horticulture  60 Units Minimum

Program Code: 07258.00AS
Type: Career
GE: Butte Local

About the Program

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 agriculture 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.

Student Learning Outcomes

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

• Demonstrate competencies in irrigation design and construction.
• Identify turf species and their recommended management styles.
• Explain the principles of greenhouse glazing choices.

Required courses for the major:  40 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>EH 99</td>
<td>Work Experience-EH (P)</td>
<td>2</td>
</tr>
<tr>
<td>AGS 50</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>AGS 30</td>
<td>Ecology of Insect and Disease Management</td>
<td>3</td>
</tr>
<tr>
<td>or EH 60</td>
<td>Principles of Integrated Pest Management (3)</td>
<td></td>
</tr>
<tr>
<td>or EH 61</td>
<td>Plant Protection Materials (3)</td>
<td></td>
</tr>
<tr>
<td>or EH 62</td>
<td>Weed Science and Invasive Plants (3)</td>
<td></td>
</tr>
<tr>
<td>EH 20</td>
<td>Introduction to Environmental Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>EH 24</td>
<td>Spring Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>or EH 23</td>
<td>Fall Plant Identification (3)</td>
<td></td>
</tr>
<tr>
<td>EH 26</td>
<td>Landscape Planning and Design</td>
<td>3</td>
</tr>
<tr>
<td>EH 28</td>
<td>Turfgrass Management and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>EH 30</td>
<td>Irrigation Practices and Materials</td>
<td>3</td>
</tr>
<tr>
<td>EH 38</td>
<td>Greenhouse Production</td>
<td>3</td>
</tr>
<tr>
<td>or EH 70</td>
<td>Plant Propagation and Nursery Practices (3)</td>
<td></td>
</tr>
<tr>
<td>EH 72</td>
<td>Landscape Business Management</td>
<td>3</td>
</tr>
<tr>
<td>EH 74</td>
<td>Irrigation System Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Environmental Horticulture  30 Units

Program Code: 07258.00CA
Type: Career
GE: None

About the Program

See AS Degree in Environmental Horticulture.

Gainful Employment Information
Certificate of Achievement in Environmental Horticulture:
Upon successful completion of this program, the student will be able to:

- Demonstrate competencies in irrigation design and construction.
- Identify turf species and their recommended management styles.
- Explain the principles of greenhouse glazing choices.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science and Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>EH 99</td>
<td>Work Experience-EH (P)</td>
<td>2</td>
</tr>
<tr>
<td>EH 20</td>
<td>Introduction to Environmental Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>EH 24</td>
<td>Spring Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>or EH 23</td>
<td>Fall Plant Identification (3)</td>
<td>3</td>
</tr>
<tr>
<td>EH 28</td>
<td>Turfgrass Management and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>EH 30</td>
<td>Irrigation Practices and Materials</td>
<td>3</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>EH 38</td>
<td>Greenhouse Production</td>
<td>3</td>
</tr>
<tr>
<td>EH 70</td>
<td>Plant Propagation and Nursery Practices</td>
<td>3</td>
</tr>
<tr>
<td>EH 72</td>
<td>Landscape Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Landscape/Turfgrass Technician

Program Code: 01302.00CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Landscape/Turfgrass Technician:
www.butte.edu/curriculum/gainful-employment/0130200CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Identify common warm and cool season turfgrass species and their uses along with substitutes for turfgrasses.
- Formulate and implement a turfgrass management program for a wide variety of applications such as lawns, sports and golf course turfgrasses.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 20</td>
<td>Introduction to Environmental Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>EH 24</td>
<td>Spring Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>or EH 23</td>
<td>Fall Plant Identification (3)</td>
<td>3</td>
</tr>
<tr>
<td>EH 26</td>
<td>Landscape Planning and Design</td>
<td>3</td>
</tr>
<tr>
<td>EH 28</td>
<td>Turfgrass Management and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>EH 30</td>
<td>Irrigation Practices and Materials</td>
<td>3</td>
</tr>
<tr>
<td>EH 72</td>
<td>Landscape Business Management</td>
<td>3</td>
</tr>
<tr>
<td>EH 74</td>
<td>Irrigation System Design</td>
<td>3</td>
</tr>
<tr>
<td>EH 22</td>
<td>Landscape Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Plant Protection

Program Code: 31512.00CA
Type: Career
GE: None

About the Program
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 proprietor companies, and academic professions. There has been never a better time to enter the crop protection industry.
Gainful Employment Information  
Certificate of Achievement in Plant Protection:  
www.butte.edu/curriculum/gainful-employment/3151200CA.html

Student Learning Outcomes  
Upon successful completion of this program, the student will be able to:
• Safely and accurately use all equipment and products relating to the plant protection industry.
• Demonstrate the most current methods and procedures in calibration of agriculture equipment.
• Apply necessary health and safety rules from the Environmental Protection Agency and the California Department of Pesticide Regulation (DPR).
• Demonstrate appropriate communications skills.
• Demonstrate an orderly performance of all tasks and skills, establishing methodical habits from state DPR laws and regulations.

Required courses for the certificate:
EH 60 Principles of Integrated Pest Management 3  
Physical, Biological Sciences and Natural Sciences  
Select 12 units from the following: 12  
AGS 20 Plant Science 3  
CHEM 51 Elementary Inorganic Chemistry (P) 5  
CHEM 52 Elementary Organic and Biochemistry (P) 4  
BIOL 1 Introduction to Biology 4  
BIOL 5 Ecology and Field Biology 4  
BIOL 12 Botany 5  
BIOL 13 Cell and Molecular Biology (P) 5  
BIOL 15 Introduction to Microbiology (P) 5  
NR 28 Environmental Management 3  
Crop Health  
Select 9 units from the following: 9  
AGS 30 Ecology of Insect and Disease Management 3  
AGS 50 General Soils 4  
AGS 51 Fertilizers and Plant Nutrition 3  
EH 30 Irrigation Practices and Materials 3  
EH 74 Irrigation System Design 3  
Pest Management  
Select 3 units from the following: 3  
AET 34 Farm Machinery 3  
EH 61 Plant Protection Materials 3  
EH 62 Weed Science and Invasive Plants 3  
NR 55 Wildlife Management 3  
Production Systems  
Select 6 units from the following: 6  
EH 20 Introduction to Environmental Horticulture 3  
EH 23 Fall Plant Identification 3  
EH 24 Spring Plant Identification 3  
EH 28 Turfgrass Management and Equipment 3  
EH 38 Greenhouse Production 3  
EH 40 Wine Grape Cultivation 3  
EH 41 Wine Growing Practices - Fall 3  
EH 42 Wine Growing Practices - Spring 3  
EH 66 Orchard Production and Management 3  
EH 70 Plant Propagation and Nursery Practices 3  
EH 72 Landscape Business Management 3  
NR 20 Introduction to Forestry and Natural Resources 3  
Select any 9 units from Crop Health, Pest Management and Production Systems not used above: 9
Emergency Medical Services (EMS)

AS Degree in EMT - Paramedic
Certificate of Achievement in Emergency Medical Technician/Paramedic
Certificate in Emergency Medical Responder (EMR)
Certificate in Emergency Medical Technician

Mike Smith, Chair (530) 895-2321
Department Office: AHPS 215, (530) 893-7533
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in EMT - Paramedic 60 Units Minimum

Program Code: 01343.00AS
Type: Career
GE: Butte Local

About the Program
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.

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 life guards.

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 (NREMT) certification or EMT II certificate. Current BLS CPR card equivalent to the current American Heart Association's guidelines (no online CPR), and Butte College assessment levels (English Level IV, Reading Level IV, Math Level IV).

Students who successfully complete a Certificate of Achievement from Butte College may then take the National Registry examination. Nationally Registered Paramedics (NRPParamedic) can then apply to their state of residence for paramedic licensure.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Demonstrate in the pre-hospital setting technical proficiency in all skills necessary to fulfill the role of an entry level EMT-P.
• Demonstrate in the pre-hospital setting personal behavior consistent with professional and employer expectations of an entry level EMT-P.

Required courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 170</td>
<td>Paramedic-Theory</td>
<td>21</td>
</tr>
<tr>
<td>EMS 171</td>
<td>Paramedic Clinical and Field Internship</td>
<td>15.5</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Emergency Medical Technician/Paramedic 36.5 Units

Program Code: 01343.00CA
Type: Career
GE: None

About the Program
See AS Degree in EMT-Paramedic.

Gainful Employment Information
Certificate of Achievement in EMT-Paramedic: www.butte.edu/curriculum/gainful-employment/0134300CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Demonstrate in the pre-hospital setting technical proficiency in all skills necessary to fulfill the role of an entry level EMT-P.
• Demonstrate in the pre-hospital setting personal behavior consistent with professional and employer expectations of an entry level EMT-P.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 170</td>
<td>Paramedic-Theory</td>
<td>21</td>
</tr>
<tr>
<td>EMS 171</td>
<td>Paramedic Clinical and Field Internship</td>
<td>15.5</td>
</tr>
</tbody>
</table>

Certificate in Emergency Medical Responder (EMR) 4 Units

Program Code: EMR.CC
Type: Career
GE: None

About the Program
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.

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:

- Demonstrate the ability to comprehend, apply and evaluate information relevant to their role as an entry level EMR.
- Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMR.
- Demonstrate personal behavior consistent with professional and employer expectations of an entry level EMR.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 110</td>
<td>Emergency Medical Responder (P)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Certificate in Emergency Medical Technician**

7 Units

**Program Code:** EMT.CC

**Type:** Career

**GE:** None

**About the Program**
See Certificate in Emergency Medical Responder (EMR)

**Student Learning Outcomes**
Upon successful completion of this program, the student will be able to:

- Demonstrate the ability to comprehend, apply, analyze, and evaluate information relevant to their role as an entry level EMT.
- Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMT.
- Demonstrate personal behavior consistent with professional and employer expectations for the entry level EMT.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 111</td>
<td>Emergency Medical Technician (P)</td>
<td>7</td>
</tr>
</tbody>
</table>
English (ENGL)

AA-T Degree in English
AA Degree in Language Arts

Cristina Dahl, Chair (530) 895-2278
Department Office: LRC 320, (530) 895-2581
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements. Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AA-T Degree in English

**60 Units Minimum**

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>31133.00AA-T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Transfer</td>
</tr>
<tr>
<td>GE:</td>
<td>CSU or IGETC</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- Analyze themes within course texts and compare them to the ways these themes are treated in other course texts.
- Synthesize analyses of specific details in particular works of literature in support of a clear, overall point or thesis.
- 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 for the major:**

| ENGL 11 Communication and Critical Thinking | (P) | 3 |
| ENGL 4 Introduction to Literature           | (P) | 3 |

**List A: Select two**

- ENGL 8 British Literature I | (P) | 3 |
- ENGL 10 British Literature II | (P) | 3 |
- ENGL 14 U.S. Literature I | (P) | 3 |
- ENGL 16 U.S. Literature II | (P) | 3 |

**List B: Select one**

Any course from List A not already used

- ENGL 6 Creative Writing | 3 |
- ENGL 15 Film as Literature | 3 |
- ENGL 21 Mythology | 3 |
- ENGL 25 Introduction to Shakespeare | 3 |
- ENGL 60 Creative Writing: Fiction | (P) | 3 |

**List C: Select one**

Any course from List A or B not already used

- ENGL 26 Queer Film and Literature | 3 |
- ENGL 31 Existential Literature: A Literary Approach to Self Integration | 3 |
- ENGL 35 Cross-Cultural Film and Literature | 3 |

### AA Degree in Language Arts

**60 Units Minimum**

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>11131.00AA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Local</td>
</tr>
<tr>
<td>GE:</td>
<td>Butte Local</td>
</tr>
</tbody>
</table>

**About the Program**

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

**Student Learning Outcomes**

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

- Assess the applications of a Language Arts AA Degree for personal advancement in educational and/or professional goals.
- 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.
- Demonstrate oral, aural and non-verbal competence as appropriate to the discipline, or language.
- Define ethical communication and explain the principles that it encompasses, regardless the discipline, language or medium.
- Research, organize and create written, oral, and non-verbal messages using appropriate resources.

**Required courses for the major:**

Choose 6 units from:

| ENGL 2 Reading and Composition (3) | (P) |
| ENGL 4 Introduction to Literature (3) | (P) |
| CMST 2 Public Speaking (3) |
| CMST 2H Honors Public Speaking (3) |
| CMST 4 Small Group Communication (3) |

Choose 12 units from:

<p>| ENGL 4 Introduction to Literature (3) | (P) |
| ENGL 8 British Literature I (3) | (P) |
| ENGL 10 British Literature II (3) | (P) |
| ENGL 14 U.S. Literature I (3) | (P) |
| ENGL 15 Film as Literature (3) |
| ENGL 16 U.S. Literature II (3) | (P) |
| ENGL 20 Introduction to Poetry (3) |
| ENGL 21 Mythology (3) |
| ENGL 25 Introduction to Shakespeare (3) |
| ENGL 31 Existential Literature: A Literary Approach to Self Integration (3) |
| ENGL 35 Cross-Cultural Film and Literature (3) |
| ENGL 47 Native American Literature (3) |
| CHIN 1 First Semester Chinese (4) |
| CHIN 2 Second Semester Chinese (4) | (P) |
| FREN 1 First Semester French (4) |
| FREN 2 Second Semester French (4) | (P) |
| ITAL 1 First Semester Italian (4) |
| ITAL 2 Second Semester Italian (4) | (P) |
| JPN 1 First Semester Japanese (4) |
| JPN 2 Second Semester Japanese (4) | (P) |
| JPN 3 Third Semester Japanese (4) | (P) |
| JPN 4 Fourth Semester Japanese (4) | (P) |
| LATN 1 First Semester Latin (4) |
| LATN 2 Second Semester Latin (4) | (P) |</p>
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATN 3</td>
<td>Third Semester Latin</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GERM 1</td>
<td>First Semester German</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GERM 2</td>
<td>Second Semester German</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>GERM 3</td>
<td>Third Semester German</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>GERM 4</td>
<td>Fourth Semester German</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>ASL 1</td>
<td>American Sign Language I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ASL 2</td>
<td>American Sign Language II</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>SPAN 1</td>
<td>First Semester Spanish</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SPAN 2</td>
<td>Second Semester Spanish</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>SPAN 3</td>
<td>Third Semester Spanish</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>SPAN 4</td>
<td>Fourth Semester Spanish</td>
<td>4</td>
<td>(P)</td>
</tr>
<tr>
<td>SPAN 14</td>
<td>Hispanic Short Stories</td>
<td>3</td>
<td>(P)</td>
</tr>
<tr>
<td>SPAN 16</td>
<td>Hispanic Film</td>
<td>3</td>
<td>(P)</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 2H</td>
<td>Honors Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 4</td>
<td>Small Group Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 6</td>
<td>Oral Interpretation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 9</td>
<td>Intercultural Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 12</td>
<td>Forensics (Speech and Debate)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CMST 14</td>
<td>Argumentation and Debate</td>
<td>3</td>
<td>(P)</td>
</tr>
</tbody>
</table>
## Engineering (ENGR)

### AS Degree in Civil Engineering Technology

#### Certificate of Achievement in Civil Engineering Technology

Luke Sathrum, Chair (530) 895-2219  
Department Office: AHPS 251, (530) 895-2531  
Counseling and Advising: (530) 895-2378  
Transfer Counseling Center: (530) 895-2264

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1</td>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 3</td>
<td>Plane Surveying I</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ENGR 4</td>
<td>Plane Surveying II</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MATH 20</td>
<td>Trigonometry</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 32</td>
<td>Analytic Geometry and Calculus III</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 40</td>
<td>Differential Equations</td>
<td>(P) 4</td>
</tr>
<tr>
<td>ENGR 8</td>
<td>Statics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ENGR 45</td>
<td>Materials Science</td>
<td>(P) 4</td>
</tr>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFT 24</td>
<td>Architectural Drafting Applications</td>
<td>3</td>
</tr>
<tr>
<td>DFT 4</td>
<td>Print Reading for Construction and Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Learning Outcomes**  
Upon successful completion of this program, the student will be able to:  
- Collect, analyze, and summarize data in a professional report.  
- Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.  
- Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

**Required courses for the major:** 27 Units

### AS Degree in Engineering

#### Program Code: 01321.00AS

**Type:** Local  
**GE:** Butte Local

**About the Program**  
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

**Student Learning Outcomes**  
Upon successful completion of this program, the student will be able to:  
- Use the tools of Mathematics and Physics to solve engineering problems.  
- 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.  
- Safety use and accurately interpret the output of standard measuring devices.  
- Demonstrate knowledge of the general methods of problem solving using data gathered in the field.  
- Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

**Required courses for the major:** 44 - 54 Units

**Required Core Courses. Students must complete core courses plus one CSU, Chico Option below**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1</td>
<td>General Chemistry I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>ENGR 17</td>
<td>Electrical Circuits and Devices</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 32</td>
<td>Analytic Geometry and Calculus III</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MATH 40</td>
<td>Differential Equations</td>
<td>(P) 4</td>
</tr>
<tr>
<td>ENGR 8</td>
<td>Statics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ENGR 45</td>
<td>Materials Science</td>
<td>(P) 4</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 10</td>
<td>Computer Architecture and Organization</td>
<td>(P) 3</td>
</tr>
<tr>
<td>CSCI 20</td>
<td>Programming and Algorithms I</td>
<td>(P) 3</td>
</tr>
<tr>
<td>or CSCI 21</td>
<td>Programming and Algorithms II (3)</td>
<td>(P)</td>
</tr>
</tbody>
</table>

**Electrical/Electronic Engineering Option at CSU, Chico**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 10</td>
<td>Computer Architecture and Organization</td>
<td>(P) 3</td>
</tr>
<tr>
<td>CSCI 20</td>
<td>Programming and Algorithms I</td>
<td>(P) 3</td>
</tr>
</tbody>
</table>

**Mechanical Engineering Option at CSU, Chico**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 8</td>
<td>Statics</td>
<td>(P) 3</td>
</tr>
<tr>
<td>ENGR 45</td>
<td>Materials Science</td>
<td>(P) 4</td>
</tr>
<tr>
<td>DFT 8</td>
<td>Engineering Graphics II</td>
<td>(P) 3</td>
</tr>
</tbody>
</table>

**CSU, Chico also offers an option in Mechatronic Engineering. Visit www.assist.org for more information**

#### Certificate of Achievement in Civil Engineering Technology

**Program Code: 01321.00AS**  
**Type:** Career  
**GE:** None

**About the Program**  
See AS Degree in Civil Engineering Technology.
Gainful Employment Information
Certificate of Achievement in Civil Engineering Technology:
www.butte.edu/curriculum/gainful-employment/0132200CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the history, functions, and types of engineering.
• Use survey equipment to measure and record angles and distances in the field.
• Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.
• Collect, analyze, and summarize data in a professional report.

Required courses for the certificate:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1</td>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>DFT 2</td>
<td>Engineering Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 3</td>
<td>Plane Surveying I</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 4</td>
<td>Plane Surveying II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 20</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>DFT 12</td>
<td>Beginning AutoCAD Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
</tbody>
</table>
English as a Second Language (ESL)

Noncredit Certificate of Competency in ESL
Noncredit Certificate of Completion in VESL

Lisa Kekaha, Chair (530) 895-2333
Department Office: LRC 320, (530) 895-2581
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

Noncredit Certificate of Competency in ESL 0 Units

Program Code: NONCREDITESL
Type: Local
GE: None

About the Program
This is a certificate of competency in ESL. This sequence of non credit ESL courses 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Communicate effectively in English.
• Negotiate essential life exchanges and situations.
• Establish personal, academic, and vocational goals.
• Be prepared to pursue higher academic levels.

Required courses for the certificate:
ESL 313 ESL Level 3
Complete one of the courses listed below:
ESL 310 Survival/Life Skills for ESL Students
ESL 311 ESL Level 1
ESL 312 ESL Level 2
ESL 340 Technology Skills for ESL Students

Noncredit Certificate of Completion in VESL 0 Units

Program Code: NONCREDITVESL
Type: Local
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Communicate effectively in English.
• Negotiate essential life exchanges and situations.
• Establish personal, academic, and vocational goals.

Required courses for the certificate:
ESL 352A ESL Workforce Training Adult Education
ESL 352B ESL Workforce Training Lab
Optional
ESL 354 Training-Specific Vocational ESL ()
Fashion (FASH)

AS Degree in Fashion Merchandising
Certificate of Achievement in Fashion Merchandising
Certificate in Clothing Construction
Certificate in Fashion Design

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Fashion Merchandising 60 Units Minimum

Program Code: 01348.00AS
Type: Career
GE: Butte Local

About the Program
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, merchandising manager, salesperson, shop owner, sales representative, showroom associate, personal shopper, and management trainee. Promotion: Fashion stylist, fashion coordinator, public relations, fashion commentator, special events director, and model. Media: Fashion reporter, copy writer, fashion illustrator, fashion writer, fashion editor, publicity manager, and fashion researcher.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
• 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.
• 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 for the major: 39 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 20</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 35</td>
<td>Management and Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 25</td>
<td>Small Business Management (3)</td>
<td></td>
</tr>
<tr>
<td>BUS 50</td>
<td>Sales in Today's World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 66</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 25</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>FASH 6</td>
<td>Understanding Fibers, Fabric, and Textiles</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Merchandising</td>
<td></td>
</tr>
</tbody>
</table>
|          | Certificate of Achievement in Fashion      | 22 Units

Program Code: 01348.00CA
Type: Career
GE: None

About the Program
See AS Degree in Fashion Merchandising.

Gainful Employment Information
Certificate of Achievement in Fashion Merchandising: www.butte.edu/curriculum/gainful-employment/0134800CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
• 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.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASH 6</td>
<td>Introduction To Fashion/Retail Careers</td>
<td>3</td>
</tr>
<tr>
<td>FASH 74</td>
<td>Historic Costume</td>
<td>3</td>
</tr>
<tr>
<td>FASH 80</td>
<td>Retail Fashion Buying</td>
<td>3</td>
</tr>
<tr>
<td>FASH 18</td>
<td>Visual Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>FASH 90</td>
<td>Fashion Promotions</td>
<td>3</td>
</tr>
<tr>
<td>FASH 99</td>
<td>Work Experience-FASH (P)</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Clothing Construction 12 Units

Program Code: CLOTHINGCONSTRUCT.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Select appropriate fabrics and notions suitable to specific garment designs.
• Drape, draft or manipulate flat patterns to create accurate garment patterns.
• Lay patterns correctly and economically onto markers or fabric.
• Construct garments using various sewing techniques.
• Fit garments on various body types and be able to make the proper adjustments.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASH 9</td>
<td>Clothing Construction I</td>
<td>3</td>
</tr>
<tr>
<td>FASH 10</td>
<td>Clothing Construction II</td>
<td>3</td>
</tr>
<tr>
<td>FASH 40</td>
<td>Flat Pattern/Draping Design (P)</td>
<td>3</td>
</tr>
<tr>
<td>DRAM 15</td>
<td>Costume Construction I</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Fashion Design

Program Code: 01348.00CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Lay patterns correctly and economically onto markers or fabric.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASH 6</td>
<td>Introduction To Fashion/Retail Careers</td>
<td>3</td>
</tr>
<tr>
<td>FASH 74</td>
<td>Historic Costume</td>
<td>3</td>
</tr>
<tr>
<td>FASH 80</td>
<td>Retail Fashion Buying</td>
<td>3</td>
</tr>
<tr>
<td>FASH 18</td>
<td>Visual Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>FASH 90</td>
<td>Fashion Promotions</td>
<td>3</td>
</tr>
<tr>
<td>FASH 99</td>
<td>Work Experience-FASH (P)</td>
<td>1</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Clothing Construction

Program Code: CLOTHINGCONSTRUCT.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Lay patterns correctly and economically onto markers or fabric.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASH 9</td>
<td>Clothing Construction I</td>
<td>3</td>
</tr>
<tr>
<td>FASH 10</td>
<td>Clothing Construction II</td>
<td>3</td>
</tr>
<tr>
<td>FASH 40</td>
<td>Flat Pattern/Draping Design (P)</td>
<td>3</td>
</tr>
<tr>
<td>DRAM 15</td>
<td>Costume Construction I</td>
<td>3</td>
</tr>
</tbody>
</table>
Certificate in Fashion Design

Program Code: FASHIONDESIGN.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
• 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.
• 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.
• Demonstrate technical skills including machine operation; taking measurements; basic alterations; pattern layout, cutting, and preparation; and use of fabrics, tools, and supplies.

Required courses for the certificate:
Select 15 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASH 9</td>
<td>Clothing Construction I (3)</td>
</tr>
<tr>
<td>FASH 10</td>
<td>Clothing Construction II (3)</td>
</tr>
<tr>
<td>FASH 64</td>
<td>Introduction To Fashion/Retail Careers (3)</td>
</tr>
<tr>
<td>FASH 74</td>
<td>Historic Costume (3)</td>
</tr>
<tr>
<td>FASH 90</td>
<td>Fashion Promotions (3)</td>
</tr>
<tr>
<td>FASH 40</td>
<td>Flat Pattern/Draping Design (3)</td>
</tr>
<tr>
<td>FASH 13</td>
<td>Fashion Drawing and Illustration (3)</td>
</tr>
</tbody>
</table>
Foods and Nutrition (FN)

AS-T Degree in Nutrition and Dietetics
AS Degree in Nutrition and Food Science

Brenda Stagner, Chair (530) 895-2923
Department Office: AHPS 251, (530) 895-2542
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Nutrition and Dietetics 60 Units Minimum

Program Code: 35132.00AS-T
Type: Transfer
GE: CSU or IGETC

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the role of nutrition as it relates to optimal health and disease prevention.
• Critically evaluate nutrition information and differentiate between credible and non-credible sources of information.
• Use the concepts developed by chemistry and biology to explain how the nutrients and compounds found in foods affect body functions and health.
• Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.

Required courses for the major: 26 - 29 Units

Required Core:
FN 2 Nutrition 3
PSY 1 Principles of Psychology 3
CHEM 1 General Chemistry I (P) 5
BIOL 15 Introduction to Microbiology (P) 5

List A: (select two)
CHEM 2 General Chemistry II (P) 5
CHEM 21 Organic Chemistry I (P) 5
BIOL 20 Human Anatomy 4
BIOL 21 Human Physiology (P) 4
MATH 18 Introduction to Statistics (P) 3

List B: (select one)
FN 10 Food Safety and Sanitation 3

AS Degree in Nutrition and Food Science 60 Units Minimum

Program Code: 11139.01AS
Type: Local
GE: Butte Local

About the Program
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 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify core concepts of natural and physical sciences, including Microbiology, Human Physiology, Chemistry and Statistics.
• Apply academic skills needed for success in Nutrition and Food Sciences after transfer.
• Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.
• General Dietetics Option: Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in Psychology.
• Nutrition Management Option: Identify and apply core concepts of Financial Accounting.
• Food and Nutrition Communication Option: Demonstrate interpersonal and/or intercultural communication concepts and principles.

Required courses for the major: 28 - 29 Units

Students must complete core courses plus one CSU, Chico Option

Required Core Courses
BIOL 15 Introduction to Microbiology (P) 5
BIOL 21 Human Physiology (P) 4
CHEM 51 Elementary Inorganic Chemistry (P) 5
CHEM 52 Elementary Organic and Biochemistry (P) 4
FN 10 Food Safety and Sanitation 3
FN 15 Introduction to Nutrition, Dietetics and Food Science 3
MATH 18 Introduction to Statistics (P) 3

General Dietetics Option at CSU, Chico
PSY 1 Principles of Psychology 3

Nutrition Management Option at CSU, Chico
ACCT 2 Financial Accounting 4

Food and Nutrition Communication Option at CSU, Chico
CMST 9 Intercultural Communication 3
or CMST 10 Interpersonal Communication (3)
Fire Science (FSC)

AS Degree in Fire Technology
Certificate of Achievement in Firefighter I Academy
Certificate of Achievement in Fire Technology
Certificate in BASIC 32
Certificate in Incident Command-Finance
Certificate in Incident Command-Logistics
Certificate in Incident Command-Operations
Certificate in Incident Command-Planning

Marshall Haslem, Chair (530) 895-2933
Department Office: AHPS 144, (530) 895-2402
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Fire Technology

Program Code: 01362.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
• 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 for the major:
FSC 2 Introduction to Fire Science 3
FSC 4 Fundamentals of Fire Behavior and Combustion 3
FSC 10 Building Construction for Fire Protection 3
FSC 12 Fundamentals of Fire Prevention 3
FSC 14 Fire Protection Equipment and Systems 3
POS 2 United States Government 3
Electives - Select 9 units from the following:
FSC 6 Fire Tactics and Strategy (3)
FSC 8 Principles of Fire Safety (3)
FSC 16 Fire Company Organization and Management (3)
FSC 18 Basic Wildland Firefighting (3)

Certification of Achievement in Firefighter I Academy

Program Code: 32841.00CA
Type: Career
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Firefighter I Academy:
http://www.butte.edu/departments/curriculum/gainful-employment/3284100CA.html

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:
2. Attend (1) mandatory Orientation.

Students are admitted by application only. Contact the Public Safety Education Center (AHPS 144) or visit http://www.butte.edu/departments/careertech/publicsafety/admission/applyCA.html. 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Successfully perform tasks which combine manipulative and technical competency required for California Firefighter I certification.
Certificate in Incident Command-Finance 14.25 Units

Program Code: Incidcommfinance.cc
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- supervise personnel and command an incident, or component thereof, as part of an ICS organization.
- 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.
- complete all aspects of basic purchasing in conjunction with any incident handled by public safety.

Required courses for the certificate:

FSC 100 I-300 Intermediate Incident Command System (P) 1
FSC 101 I-400 Advanced Incident Command System (P) 1
FSC 102 Incident Management 2 (P) 1.5
FSC 103 Progressive Discipline .25
FSC 104 Supervision 2 2
FSC 117 C-362 Cost Unit Leader (P) 1.5
FSC 118 C-363 Compensation/Claims Unit Leader (P) 2
FSC 119 C-365 Time Unit Leader (P) 2
FSC 120 C-368 Procurement Unit Leader (P) 2
FSC 121 Basic Purchasing 1

Certificate in Incident Command-Logistics 12.25 Units

Program Code: INCIDCOMMLOGIST.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- supervise personnel and command an incident, or component thereof, as part of an ICS organization.
- 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 for the certificate:

FSC 100 I-300 Intermediate Incident Command System (P) 1
FSC 101 I-400 Advanced Incident Command System (P) 1
FSC 102 Incident Management 2 (P) 1.5
FSC 117 C-362 Cost Unit Leader (P) 1.5
FSC 118 C-363 Compensation/Claims Unit Leader (P) 2
FSC 119 C-365 Time Unit Leader (P) 2
FSC 120 C-368 Procurement Unit Leader (P) 2
FSC 121 Basic Purchasing 1
FSC 103  Progressive Discipline  .25
FSC 104  Supervision 2  2
FSC 122  S-354 Facilities Unit Leader  (P)  2
FSC 123  S-355 Ground Support Unit Leader  (P)  2
FSC 124  S-356 Supply Unit Leader  (P)  1.5
FSC 127  S-359 Medical Unit Leader  (P)  1

Certificate in Incident Command-Operations  12.75 Units

Program Code: Incidcommoper.cc
Type: Career
GE: None

About the Program
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 of the Operations classes will specifically prepare the student to assume a high level of responsibility in assisting with incident management, to assume roles in the Operations Section of an ICS organization as Task Force/Strike Team Leader or Division/Group Supervisor, and 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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 for the certificate:
FSC 100  I-300 Intermediate Incident Command System  (P)  1
FSC 101  I-400 Advanced Incident Command System  (P)  1
FSC 102  Incident Management 2  (P)  1.5
FSC 103  Progressive Discipline  .25
FSC 104  Supervision 2  2
FSC 134  S-342 Documentation Unit Leader  (P)  1
FSC 135  S-244/245 Field Observer/Display Processor  (P)  2
FSC 136  S-346 Situation Unit Leader  (P)  1.5
FSC 137  S-347/349 Demobilization/Resource Unit Leader

Certificate in Incident Command-Planning  12.25 Units

Program Code: Incidcommplan.cc
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• supervise public safety personnel and command of an incident, or component thereof, as part of an ICS organization.
• 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 for the certificate:
FSC 100  I-300 Intermediate Incident Command System
FSC 101  I-400 Advanced Incident Command System  (P)  1
FSC 102  Incident Management 2  (P)  1.5
FSC 103  Progressive Discipline  .25
FSC 104  Supervision 2  2
FSC 134  S-342 Documentation Unit Leader  (P)  1
FSC 135  S-244/245 Field Observer/Display Processor  (P)  2
FSC 136  S-346 Situation Unit Leader  (P)  1.5
FSC 137  S-347/349 Demobilization/Resource Unit Leader
Geography (GEOG)

AA-T Degree in Geography
Certificate in Geographic Information Systems

Christine Trolinger, Chair (530) 895-2301
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate’s degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Geography 60 Units Minimum

Program Code: 31952.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program
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).

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify fundamental concepts specific to physical and cultural Geography.
• Identify conceptual and theoretical models pertaining to world, regional, and local Geography.
• Apply applications associated with various thematic maps as well as use of geographical computer modeling.

Required courses for the major: 19 Units

Required Core:
- GEOG 2 Physical Geography 3
- GEOG 3 Physical Geography Lab (P) 1
- GEOG 4 Cultural Geography 3

List A: Select two
- GEOG 8 World Regional Geography 3
- GEOG 10 Geography of California 3
- GEOG 20 Introduction to Geographic Information Systems 3

List B: Select two
- Any course from List A not already used
- GEOG 5 Economic Geography 3
- ANTH 4 Cultural Anthropology 3
- GEOG 21 GIS Data Capture 3
- GEOG 22 Remote Sensing and Spatial Analysis 3

Certificate in Geographic Information Systems 10 Units

Program Code: GIS.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Create GIS datasets for use in maps, tables, and graphs.
• Create, edit, and manipulate data, stored in proper format and with appropriate metadata.
• Perform applicable and relevant analyses of GIS datasets.
• Produce professional presentation of GIS results and provide results over a wide range of platforms.
• Properly prepare students for ESRI Desktop GIS Certification exam.

Required courses for the certificate:
- GEOG 20 Introduction to Geographic Information Systems 3
- GEOG 21 GIS Data Capture 3
- GEOG 22 Remote Sensing and Spatial Analysis 3
- GEOG 100 Review for ESRI Certification 1
Geology (GEOL)

AS-T Degree in Geology

Jason Trento, Chair (530) 879-4305
Department Office: TE 132, (530) 879-6106
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Geology 60 Units Minimum

Program Code: 32721.00AS-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and interpret common rocks, minerals, fossils and geologic structures.
• Explain the physical and biological changes that have occurred on earth throughout geologic time using modern theories such as plate tectonics and evolution.
• Demonstrate an understanding of the geologic time scale and determine the age of rocks using both relative and absolute dating methods.
• 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.
• Read and interpret topographic and geologic maps in order to answer geologic questions.
• Demonstrate the analytical and critical thinking skills needed to succeed in a four-year geology program.

Required courses for the major: 27 Units

Required Core:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 32</td>
<td>Physical Geology with Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 34</td>
<td>Historical Geology with Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1</td>
<td>General Chemistry I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>CHEM 2</td>
<td>General Chemistry II</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I</td>
<td>(P) 5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II</td>
<td>(P) 4</td>
</tr>
</tbody>
</table>
Certificate of Achievement in Medical Coding

About the Program
The Certificate of Achievement in Medical Coding is for students 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Explain the role and the responsibilities that the medical coder has in the health information management field.
• Describe the healthcare industry as it relates to health information management.
• Demonstrate a working knowledge of medical terminology as it relates to medical coding.
• Analyze healthcare legal and ethical issues in the context of the HIPAA guidelines.
• Identify the content and structure of the health record, explain the importance of documentation on code assignment, and describe the impact on the reimbursement.
• Interpret coding guidelines and accurately apply diagnosis and procedure codes utilizing ICD-10-CM, ICD-10-PCS, CPT, and HCPC.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALH 104</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 10</td>
<td>Survey of Human Systems</td>
<td>4</td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>HIM 56</td>
<td>Introduction to Health Information Management</td>
<td>2</td>
</tr>
<tr>
<td>HIM 62</td>
<td>Introduction to Medical Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIM 58</td>
<td>Healthcare Law and Ethics</td>
<td>2</td>
</tr>
<tr>
<td>HIM 63</td>
<td>Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>HIM 64</td>
<td>Advanced Medical Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIM 76</td>
<td>Electronic Health Records</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 99</td>
<td>Work Experience-BCIS (P)</td>
<td>2</td>
</tr>
</tbody>
</table>
History (HIST)

AA-T Degree in History

Christine Trolinger, Chair (530) 895-2301
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in History 60 Units Minimum

Program Code: 31000.01AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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.

Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
• Identify major developments in the history of the United States and of the world, and to examine the past from diverse perspectives.
• Apply historical reasoning to the study of the past and to think in terms of causation, context, chronology, and change and continuity.
• Utilize historical method through posing questions and conducting research, analyzing evidence, and articulating defensible conclusions.

Required courses for the major: 18 Units

Required Core:
- HIST 8 United States History to 1877 3
- HIST 10 United States History-1877 to Present 3

List A: Select two
- HIST 3 World History to 1500 3
- HIST 5 World History since 1500 3

List B: Select One course from each group

Group 1
- HIST 20 Political History of the Middle East 3
- HIST 30 History of the African American 3
- ANTH 33 Ancient Mesoamerica 3

Group 2 or any course from Group I not already used
- HIST 18 Multicultural History of the United States 3
- ECON 2 Principles of Macroeconomics (P) 3
- ECON 4 Principles of Microeconomics (P) 3
Honors (HON)
Certificate of Achievement in Honors
Deborah McCabe, Chair (530) 895-2287
Department Office: LRC 320, (530) 895-2581
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C).
See Catalog Descriptions section for details.

Certificate of Achievement in Honors     19 Units

Program Code: 31238.00CA
Type: Local
GE: None

About the Program
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, writing a minimum of 5,000 words in analytical papers and
reading responses, and participating in seminar-type discussions. Additionally,
classes emphasize critical and independent thinking, and original responses to
the course material.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Analyze and synthesize significant global ideas and primary original works.
• Demonstrate critical thinking skills in seminar-type discussions.
• Demonstrate advanced writing skills and critical, creative thinking in
  composing a minimum of 5,000 words in analytical papers and reading
  responses.
• Generate creative, original responses to course material.

Select 19 units from the following (HON 11 required):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 2H</td>
<td>Honors Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4H</td>
<td>Honors Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ART 2H</td>
<td>Honors Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>ART 4H</td>
<td>Honors Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 9H</td>
<td>Honors Current Issues in Biology</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2H</td>
<td>Honors Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 20H</td>
<td>Honors Economic History of the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 52H</td>
<td>Honors Great Works of Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 53H</td>
<td>Honors World Literature</td>
<td>3</td>
</tr>
<tr>
<td>HON 11</td>
<td>Honors Capstone</td>
<td>1 (P)</td>
</tr>
<tr>
<td>PSC 30H</td>
<td>Honors Introductory Astronomy</td>
<td>4</td>
</tr>
</tbody>
</table>
Journalism (JOUR)
AA-T Degree in Journalism
Cristina Dahl, Chair (530) 895-2278
Department Office: LRC 320, (530) 895-2581
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate’s degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Journalism 60 Units Minimum

Program Code: 33199.01AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Write simple and complex/long form news articles using the inverted pyramid and other formats
• Build a portfolio of completed projects for student media that demonstrates a range of storytelling formats/styles and effective design/layout.
• Demonstrate leadership and management skills as an editor.

Required courses for the major: 18 Units

Required Core:
RTVF 12 Mass Media and Society 3
JOUR 2 Introduction to Reporting and Newswriting 3
JOUR 10 Beginning Newspaper Production 3

List A: Select one
JOUR 12 Intermediate Newspaper Production (P) 3

List B: Select two
CMST 14 Argumentation and Debate (P) 3
ENGL 11 Communication and Critical Thinking (P) 3
MATH 18 Introduction to Statistics (P) 3
PHO 2 Introduction to Photography 3
POS 2 United States Government 3
POS 3 Comparative Politics 3
ECON 2 Principles of Macroeconomics (P) 3
or ECON 4 Principles of Microeconomics (3) (P)
## Kinesiology (KIN)

### AA-T Degree in Kinesiology

<table>
<thead>
<tr>
<th>AA Degree in General Physical Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Units Minimum</td>
</tr>
</tbody>
</table>

**Program Code:** 32446.00AA-T  
**Type:** Transfer  
**GE:** CSU or IGETC

### About the Program

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.

### Student Learning Outcomes

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

- Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
- Describe physical activity as it relates to physiological responses and adaptations to exercise.
- Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
- Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
- Develop and modify proper safety techniques for a variety of fitness programs.

### Required courses for the major:

| 21.5 - 22.5 Units |

**Required Core:**

| KIN 1 | Introduction to Kinesiology | 3 |
| BIOL 20 | Human Anatomy | 4 |
| BIOL 21 | Human Physiology | (P) 4 |

**Movement-based Courses (minimum 4.5 units) Select a maximum of one (1) course from any three (3) of the following areas.

- Aquatics
  - KIN 54 | Aquatics | 1.5 |
- Combatives
  - KIN 73 | Self Defense | 1.5 |
  - KIN 75 | Jujitsu | 1.5 |
  - KIN 76 | Aikido | 1.5 |
  - KIN 78 | Taekwondo | 1.5 |
- Dance
  - KIN 38 | Ballroom Dance I | 1.5 |
  - KIN 39 | Ballroom Dance II | 1.5 |
  - KIN 35 | Aerobic Dance | 1.5 |
- Fitness
  - KIN 53 | Jogging/Running for Fitness | 1.5 |
  - KIN 27 | Core Crossfit Training | 1.5 |

**List A: Select two**

| KIN 42 | Yoga I | 1.5 |
| KIN 43 | Yoga II | 1.5 |
| KIN 46 | Tai Chi Chuan | 1.5 |
| KIN 23 | Weight Training I | 1.5 |
| KIN 24 | Weight Training II | 1.5 |

**Individual Sports**

- KIN 60 | Bowling | 1.5 |
- KIN 61 | Golf | 1.5 |
- KIN 62 | Tennis | 1.5 |

**Team Sports**

- KIN 65 | Soccer | 1.5 |
- KIN 66 | Softball | 1.5 |
- KIN 67 | Non-Contact Football | 1.5 |
- KIN 68 | Volleyball I | 1.5 |
- KIN 69 | Volleyball II | 1.5 |
- KIN 70 | Basketball I | 1.5 |
- KIN 71 | Basketball II | 1.5 |

### AA Degree in General Physical Education

**Program Code:** 01320.00AA  
**Type:** Local  
**GE:** Butte Local

### About the Program

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

### Student Learning Outcomes

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

- Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
- Assess his or her own physical activity level as it relates to lifelong fitness.
- Describe physical activity as it relates to physiological responses and adaptations to exercise.
- Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
- Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
- Develop and modify proper safety techniques for a variety of fitness programs.

### Required courses for the major:

| 18 Units |

**Required Core:**

- BIOL 20 | Human Anatomy | 4 |
- BIOL 21 | Human Physiology | (P) 4 |

**Take 10 units from at least 5 groups:**

<table>
<thead>
<tr>
<th>Aquatics</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 54</td>
</tr>
<tr>
<td>KIN 55</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Individual</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 57</td>
</tr>
<tr>
<td>KIN 58</td>
</tr>
<tr>
<td>KIN 60</td>
</tr>
<tr>
<td>KIN 61</td>
</tr>
<tr>
<td>Course Code</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>KIN 62</td>
</tr>
<tr>
<td>KIN 63</td>
</tr>
<tr>
<td><strong>Team Sports</strong></td>
</tr>
<tr>
<td>KIN 64</td>
</tr>
<tr>
<td>KIN 65</td>
</tr>
<tr>
<td>KIN 66</td>
</tr>
<tr>
<td>KIN 67</td>
</tr>
<tr>
<td>KIN 68</td>
</tr>
<tr>
<td>KIN 69</td>
</tr>
<tr>
<td>KIN 70</td>
</tr>
<tr>
<td>KIN 71</td>
</tr>
<tr>
<td><strong>Dance</strong></td>
</tr>
<tr>
<td>KIN 38</td>
</tr>
<tr>
<td>KIN 39</td>
</tr>
<tr>
<td>KIN 40</td>
</tr>
<tr>
<td><strong>Self Defense</strong></td>
</tr>
<tr>
<td>KIN 73</td>
</tr>
<tr>
<td>KIN 74</td>
</tr>
<tr>
<td>KIN 75</td>
</tr>
<tr>
<td>KIN 77</td>
</tr>
<tr>
<td>KIN 78</td>
</tr>
<tr>
<td><strong>Weight Training</strong></td>
</tr>
<tr>
<td>KIN 23</td>
</tr>
<tr>
<td>KIN 24</td>
</tr>
<tr>
<td>KIN 25</td>
</tr>
<tr>
<td>KIN 28</td>
</tr>
<tr>
<td>KIN 29</td>
</tr>
<tr>
<td>KIN 31</td>
</tr>
<tr>
<td><strong>Physical Education Teacher Education Option at CSU, Chico</strong></td>
</tr>
<tr>
<td>CMST 2</td>
</tr>
<tr>
<td>or CMST 2H</td>
</tr>
<tr>
<td>or CMST 4</td>
</tr>
<tr>
<td>POS 2</td>
</tr>
</tbody>
</table>
Mathematics (MATH)

AS-T Degree in Mathematics
AS Degree in Mathematics

Juliet Hauser, Chair (530) 879-4300
Department Office: TE 132, (530) 895-2451
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Mathematics 60 Units Minimum

Program Code: 31953.00AS-T
Type: Transfer
GE: CSU or IGETC

About the Program

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 from the assessment office.

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.

Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
• Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
• Apply methods of matrix transformations to solve both practical and theoretical problems.
• Determine whether a theorem or definition applies in a given situation and use it appropriately.
• Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
• Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses for the major: 19 - 21 Units

Required Core:
MATH 30 Analytic Geometry and Calculus I (P) 5
MATH 31 Analytic Geometry and Calculus II (P) 4
MATH 32 Analytic Geometry and Calculus III (P) 4

Choose a minimum of 6 units from the Lists below with at least 3 units from List A.

List A: Select one to two
MATH 40 Differential Equations (P) 4
MATH 42 Linear Algebra (P) 3

List B: Select one
PHYS 41 Physics for Scientists and Engineers I (P) 4
CSCI 20 Programming and Algorithms I 3
MATH 18 Introduction to Statistics (P) 3

AS Degree in Mathematics 60 Units Minimum

Program Code: 01355.00AS
Type: Local
GE: Butte Local

About the Program

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes

Upon successful completion of this program, the student will be able to:
• Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
• Apply methods of matrix transformations to solve both practical and theoretical problems.
• Determine whether a theorem or definition applies in a given situation and use it appropriately.
• Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
• Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses for the major: 23 Units

MATH 30 Analytic Geometry and Calculus I (P) 5
MATH 31 Analytic Geometry and Calculus II (P) 4
MATH 32 Analytic Geometry and Calculus III (P) 4
MATH 40 Differential Equations (P) 4
MATH 42 Linear Algebra (P) 3
CSCI 20 Programming and Algorithms I 3
Multicultural and Gender Studies (MCGS)

AA Degree in Multicultural and Gender Studies

Linda Johnson, Chair (530) 895-2890
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

---

### AA Degree in Multicultural and Gender Studies

<table>
<thead>
<tr>
<th>Program Code: 36259.00AA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Local</td>
</tr>
<tr>
<td>GE: CSU</td>
</tr>
</tbody>
</table>

**About the Program**

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.

**Student Learning Outcomes**

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

- Describe the major concepts, perspectives, research methods, and historic trends in Multicultural and Gender Studies (MCGS).
- Evaluate and differentiate the experiences of diversities such as race/ethnicity, sex and gender, and religion.
- Identify and analyze contemporary social problems and issues of multiculturalism, gender, race, ethnicity, and social inequality.

**Required courses for the major:** 18 Units

<table>
<thead>
<tr>
<th>Required Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 9 Intercultural Communication 3</td>
</tr>
<tr>
<td>CMST 13 Gender and Communication 3</td>
</tr>
<tr>
<td>MCGS 8 Introduction to Multicultural and Gender Studies 3</td>
</tr>
<tr>
<td>MCGS 10 Introduction to Women's Studies 3</td>
</tr>
</tbody>
</table>

**Select 1 course from the following:**

| MCGS 32 Introduction to African American Studies 3 |
| ANTH 34 Native Americans Today 3 |
| MCGS 36 Introduction to Chicano American Studies 3 |
| MCGS 38 Introduction to Asian American Studies 3 |

**Select 1 course from the following:**

| ENGL 26 Queer Film and Literature 3 |
| HIST 18 Multicultural History of the United States 3 |
| HIST 26 Men and Women in American History 3 |
| HIST 30 History of the African American 3 |
| SOC 14 Sociology of Gender 3 |
| SOC 20 Introduction to Race and Ethnicity 3 |
Multimedia Studies Program (MSP)

AA Degree in Graphic Design
AS Degree in Graphic Design for Print
AS Degree in Multimedia Studies
Certificate of Achievement in Multimedia Studies
Certificate in 2D Animation and Games

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA Degree in Graphic Design 60 Units Minimum
Program Code: 11140.00AA
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Demonstrate proficient use and knowledge of current design software tools, processes and presentation methods.
• Research, discuss, and write about historic and current trends, movements, figures and technologies related to Graphic Design.

Required courses for the major: 18 Units
ART 2 Art History Survey I 3
or ART 2H Honors Art History Survey I (3)
or ART 4 Art History Survey II (3)
or ART 4H Honors Art History Survey II (3)
ART 7 2-D Foundations 3
ART 8 Basic Drawing 3
ART 31 Graphic Design I 3
PHO 2 Introduction to Photography 3
RTVF 12 Mass Media and Society 3

AS Degree in Graphic Design for Print 60 Units Minimum
Program Code: 07264.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Demonstrate expert use of graphic design tools and computer equipment.
• 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 for the major: 44 Units
ART 1 Art Appreciation 3
or ART 2 Art History Survey I (3)
or ART 2H Honors Art History Survey I (3)
or ART 4 Art History Survey II (3)
or ART 4H Honors Art History Survey II (3)
ART 7 2-D Foundations 3
ART 8 Basic Drawing 3
ART 31 Graphic Design I 3
ART 32 Creative Typography 3
ART 34 Graphic Design II (P) 3
ART 35 Illustration Art I 3
ART 36 Illustration Art II (P) 3
ART 70 Gallery Production/Business of Art 2
BUS 60 Advertising and Copywriting 3
MSP 1 Multimedia Careers 3
MSP 5 Introduction to Interactive Web Design and Authoring 3
MSP 96 Introduction to Computer Graphics 3
PHO 2 Introduction to Photography 3
RTVF 12 Mass Media and Society 3

AS Degree in Multimedia Studies 60 Units Minimum
Program Code: 09582.00AS
Type: Career
GE: Butte Local

About the Program
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.

**Student Learning Outcomes**

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

- 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.
- Demonstrate expert use of equipment, materials and software when creating multimedia projects.
- Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

**Required courses for the major:** 33 Units

Complete 33 units from the courses listed below. These courses are grouped according to Skill Sets to reflect specific interest areas. Students are encouraged, but not required, to complete at least one Skill Set as part of the 33 units required for the major.

**MSP Skill Sets**

**Digital Photography**
- MSP 1 Multimedia Careers 3
- PHO 2 Introduction to Photography 3
- PHO 4 Color Photography (P) 3
- PHO 8 Commercial Photography (P) 3
- MSP 5 Introduction to Interactive Web Design and Authoring 3

**Graphic Design for Print and Digital Media**
- ART 7 2-D Foundations 3
- ART 31 Graphic Design I 3
- MSP 1 Multimedia Careers 3
- MSP 30 Introduction to Digital Art 3
- ART 32 Creative Typography 3
- ART 35 Illustration Art I 3
- or MSP 5 Introduction to Interactive Web Design and Authoring (3)

**Three-Dimensional Arts**
- ART 8 Basic Drawing 3
- or ART 14 Basic Figure Drawing (3)
- MSP 1 Multimedia Careers 3
- MSP 30 Introduction to Digital Art 3
- MSP 96 Introduction to Computer Graphics 3
- ART 9 3-D Foundation 3
- MSP 12 Two-Dimensional Animation 3
- MSP 45 3-D Computer Modeling and Animation 3

**Interactive Web Design and Digital Authoring**
- MSP 1 Multimedia Careers 3
- MSP 30 Introduction to Digital Art 3
- MSP 74 Multimedia Production I 3
- MSP 96 Introduction to Computer Graphics 3
- MSP 5 Introduction to Interactive Web Design and Authoring 3
- MSP 75 Multimedia Production II (P) 3

**Digital Audio and Video**
- MSP 1 Multimedia Careers 3
- MSP 30 Introduction to Digital Art 3
- RTVF 40 Digital Video Production 3
- MSP 5 Introduction to Interactive Web Design and Authoring 3
- MSP 10 Digital Video Design and Production 3
- MSP 12 Two-Dimensional Animation 3

**Certificate of Achievement in Multimedia Studies** 24 Units

**Program Code:** 09582.00CA
**Type:** Career
**GE:** None

About the Program
See AS Degree in Multimedia Studies.

Gainful Employment Information
Certificate of Achievement in Multimedia Studies:
[www.butte.edu/curriculum/gainful-employment/0958200CA.html](http://www.butte.edu/curriculum/gainful-employment/0958200CA.html)

**Student Learning Outcomes**

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

- 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.
- Demonstrate expert use of equipment, materials and software when creating multimedia projects.
- Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

**Required courses for the certificate:**

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.

**Certificate in 2D Animation and Games** 9 Units

**Program Code:** 2DANIMATANDGAMES.CC
**Type:** Career
**GE:** None

About the Program
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 student 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.

**Student Learning Outcomes**

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

- Edit and create graphics for animation and gaming applications.
- Create 2D animations using industry standard software.
- Discuss the principles of animation and game design.
- Create game assets and control them with Actionscript.

**Required courses for the certificate:**

- MSP 96 Introduction to Computer Graphics 3
- MSP 12 Two-Dimensional Animation 3
- MSP 42 Flash Game Design 3
Music (MUS)

AA-T Degree in Music
AS Degree in Recording Arts
Certificate of Achievement in Recording Arts
Certificate in Recording Arts for Musicians

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate’s degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Music 60 Units Minimum

Program Code: 32469.00AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Play their chosen instrument or sing at an advanced level.
• Demonstrate the ability to either play or sing new music at sight.
• Analyze a given piece of music in terms of chords and chord structure, modulation, cadences, and form.
• Articulate the principles of playing in an ensemble.
• Describe effective practice techniques.
• Listen to a piece of music and identify its genre.

Required courses for the major:
24 Units
MUS 10 Music Theory I (C) 3
MUS 11 Musicianship I (C) 1
MUS 12 Music Theory II (P/C) 3
MUS 13 Musicianship II (P/C) 1
MUS 14 Music Theory III (P/C) 3
MUS 15 Musicianship III (P/C) 1
MUS 16 Music Theory IV (P/C) 3
MUS 17 Musicianship IV (P/C) 1

Take the following course 4 times for a total of 4 units.
MUS 60 Performance Ensemble 1

Complete One Applied Music Area Listed Below:
MUS 20 Guitar I 1
MUS 21 Guitar II (P) 1
MUS 22 Guitar III (P) 1
MUS 23 Guitar IV (P) 1
or
MUS 30 Voice I 1
MUS 31 Voice II (P) 1
MUS 32 Voice III (P) 1
MUS 33 Voice IV (P) 1

AS Degree in Recording Arts 60 Units Minimum

Program Code: 33222.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Make technically competent recordings of real instruments in a studio setting.
• Utilize computer-based music software for electronic music composition.
• Effectively edit and mix electronic compositions and studio recordings.
• Analyze the fundamental concepts of audio theory.
• Demonstrate proper etiquette and work ethic appropriate to a professional audio environment.

Required courses for the major:
25.5 Units
MUS 10 Music Theory I (C) 3
MUS 11 Musician Ship I (C) 1
MUS 20 Guitar I 1
or MUS 30 Voice I (1)
MUS 51 Computer Literacy for Musicians 1.5
or MUS 40 Piano I (1)
MUS 52 Music Theory II (P/C) 3
MUS 13 Musicianship II (P/C) 1
MUS 21 Guitar II (P) 1
or MUS 31 Voice II (1) (P)
MUS 53 Introduction to Recording Techniques 3
or MUS 41 Piano II (1) (P)
MUS 54 Studio Recording I (P) 4
MUS 55 Studio Recording II (P) 4

Certificate of Achievement in Recording Arts 25.5 Units

Program Code: 33182.00CA
Type: Career
GE: None

About the Program
See AS Degree in Recording Arts.

Gainful Employment Information
Certificate of Achievement in Recording Arts:
Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Make technically competent recordings of real instruments in a studio setting
- Utilize computer-based music software for electronic music composition
- Effectively edit and mix electronic compositions and studio recordings
- Analyze the fundamental concepts of audio theory
- Demonstrate proper etiquette and work ethic appropriate to a professional audio environment

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 10</td>
<td>Music Theory I</td>
<td>(C) 3</td>
</tr>
<tr>
<td>MUS 11</td>
<td>Musicianship I</td>
<td>(C) 1</td>
</tr>
<tr>
<td>MUS 20</td>
<td>Guitar I</td>
<td>1</td>
</tr>
<tr>
<td>or MUS 30</td>
<td>Voice I (1)</td>
<td></td>
</tr>
<tr>
<td>or MUS 40</td>
<td>Piano I (1)</td>
<td></td>
</tr>
<tr>
<td>MUS 51</td>
<td>Computer Literacy for Musicians</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 12</td>
<td>Music Theory II</td>
<td>(P/C) 3</td>
</tr>
<tr>
<td>MUS 13</td>
<td>Musicianship II</td>
<td>(P/C) 1</td>
</tr>
<tr>
<td>MUS 21</td>
<td>Guitar II</td>
<td>(P) 1</td>
</tr>
<tr>
<td>or MUS 31</td>
<td>Voice II (1)</td>
<td>(P)</td>
</tr>
<tr>
<td>or MUS 41</td>
<td>Piano II (1)</td>
<td>(P)</td>
</tr>
<tr>
<td>MUS 52</td>
<td>Introduction to Recording Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUS 53</td>
<td>Introduction to Recording Software Applications</td>
<td>(P) 3</td>
</tr>
<tr>
<td>MUS 54</td>
<td>Studio Recording I</td>
<td>(P) 4</td>
</tr>
<tr>
<td>MUS 55</td>
<td>Studio Recording II</td>
<td>(P) 4</td>
</tr>
</tbody>
</table>

Certificate in Recording Arts for Musicians 17.5 Units

Program Code: RECORDINGARTS.CC
Type: Career
GE: None

About the Program
A certificate in Recording Arts for Musicians provides students with fundamental knowledge and understanding of audio recording techniques and applications. Selected courses will enhance students ability to apply musical elements throughout the recording process. Students learn recording techniques and how to operate the equipment used in recording music. Courses include hands-on exposure to production processes such as tracking, overdubbing, mixing and mastering by participating in recording sessions.

The certificate prepares students for a variety of opportunities in today's ever-changing workplace. Careers include: Recording Engineer, Assistant Engineer, Runner, Technical Engineer, Studio Booking Technician, Studio Manager, Receptionist, Mastering Engineer, Producer, Audio/Visual Technician, Studio Owner, Information Technology Specialist and Customer Service Representative.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Analyze the signal flow within a typical recording studio.
- Plan and employ the use of digital mixing consoles for audio recording.
- Operate digital multitrack recorders, software recording applications and digital audio workstations.
- Compare and set up digital signal processing used for audio enhancement.
- Formulate and implement effective recording session techniques.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 10</td>
<td>Music Theory I</td>
<td>(C) 3</td>
</tr>
<tr>
<td>MUS 11</td>
<td>Musicianship I</td>
<td>(C) 1</td>
</tr>
<tr>
<td>MUS 51</td>
<td>Computer Literacy for Musicians</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 52</td>
<td>Introduction to Recording Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>
Natural Resources (NR)

AS Degree in Natural Resources Management
Certificate in Ecological Restoration
Certificate in Parks and Recreation
Certificate in Wildlife Technician

Ricky Wittsell, Advisor (530) 879-6194
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

60 Units Minimum Management

Program Code: 07259.01AS
Type: Career
GE: Butte Local

About the Program
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's most interesting, diversified and rapidly expanding fields. The work is varied. However, certain basic skills are fundamental.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Describe and apply the basic elements of the scientific method.
• Identify basic environmental problems and describe how they affect the environmental's biotic and abiotic components.
• Identify the main fish and game species located within the state and/or region of desired employment.
• Evaluate the modern and historical roles of human impact on wildlife and wildlife management.

Required courses for the major: 39 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 20</td>
<td>Careers in Agriculture, Environmental Science</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>and Natural Resources</td>
<td></td>
</tr>
<tr>
<td>AB 25</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>AGS 50</td>
<td>General Soils</td>
<td>4</td>
</tr>
<tr>
<td>AGS 20</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>NR 20</td>
<td>Introduction to Forestry and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>NR 26</td>
<td>Environmental World</td>
<td>3</td>
</tr>
<tr>
<td>NR 28</td>
<td>Environmental Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 40</td>
<td>Watershed Ecology and Habitat Restoration</td>
<td>3</td>
</tr>
<tr>
<td>NR 55</td>
<td>Wildlife Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 60</td>
<td>Natural Resources Law</td>
<td>3</td>
</tr>
<tr>
<td>NR 65</td>
<td>Recreational Land Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 70</td>
<td>Geospatial Data Applications</td>
<td>2</td>
</tr>
<tr>
<td>AGS 99</td>
<td>Work Experience-AGS (P)</td>
<td>2</td>
</tr>
</tbody>
</table>

Certificate in Ecological Restoration 17 Units

Program Code: ECOLOGICALREST.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify the biologic and economic need for restoring and maintaining ecosystem health in California.
• Demonstrate proper use of topographical maps, assessments, hand tools and equipment commonly used by ecological restorationists.
• List and discuss wetland and upland habitat restoration techniques using native plants and various irrigation methods.
• Examine and report the procedures required by law for the purpose of mitigating damage to the environment by industry.
• 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.
• 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 for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 40</td>
<td>Watershed Ecology and Habitat Restoration</td>
<td>3</td>
</tr>
<tr>
<td>NR 60</td>
<td>Natural Resources Law</td>
<td>3</td>
</tr>
<tr>
<td>NR 70</td>
<td>Geospatial Data Applications</td>
<td>2</td>
</tr>
<tr>
<td>AET 26</td>
<td>Basic Surveying</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
<tr>
<td>EH 30</td>
<td>Irrigation Practices and Materials</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Parks and Recreation 17 Units

Program Code: PARKSANDREC.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Acquire and demonstrate background knowledge in outdoor recreation as it relates to career opportunities, educational requirements, qualifications and duties of field personnel.
• Evaluate recreation facilities and resources, identifying maintenance
  requirements, potential hazards, traffic, and people flow.
• Demonstrate manipulative skills related to hand tools, power equipment, and
  machines commonly used in recreational land management.
• Examine and report the procedures required by law for the purpose of
  mitigating damage to the environment by outdoor recreational activities.
• Compile information from GPS data, aerial and topographical maps
  to analyze and present spatial configurations of natural resources on
  recreational lands.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 20</td>
<td>Introduction to Forestry and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>NR 28</td>
<td>Environmental Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 65</td>
<td>Recreational Land Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 70</td>
<td>Geospatial Data Applications</td>
<td>2</td>
</tr>
<tr>
<td>AET 22</td>
<td>Natural Resources and Agri-Construction</td>
<td>3</td>
</tr>
<tr>
<td>AET 30</td>
<td>Tractors and Crawlers</td>
<td>3</td>
</tr>
</tbody>
</table>

Certificate in Wildlife Technician  14 Units

Program Code: WILDLIFETECH.CC
Type: Career
GE: None

About the Program

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.

Student Learning Outcomes
Up on successful completion of this program, the student will be able to:
• Identify major game and fish species in northern California.
• Assist in the capture, study, and management of wildlife.
• Perform maintenance, participate in research, and interact with the public on
  wildlife areas or refuges.
• Locate and analyze the federal and state acts, statutes and regulations which
  protect endangered species and other wildlife.
• Utilize GPS and GIS systems to create and read maps of work areas.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 40</td>
<td>Watershed Ecology and Habitat Restoration</td>
<td>3</td>
</tr>
<tr>
<td>NR 55</td>
<td>Wildlife Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 60</td>
<td>Natural Resources Law</td>
<td>3</td>
</tr>
<tr>
<td>NR 70</td>
<td>Geospatial Data Applications</td>
<td>2</td>
</tr>
<tr>
<td>AET 22</td>
<td>Natural Resources and Agri-Construction</td>
<td>3</td>
</tr>
<tr>
<td>or EH 22</td>
<td>Landscape Construction (3)</td>
<td></td>
</tr>
</tbody>
</table>
AS Degree in Licensed Vocational Nursing  
60 Units Minimum

Program Code: 01340.00AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Use the nursing process to provide nursing care to individual patients/clients and families throughout the life span.
• Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.
• Provide educational information for individual patients/clients, families, and groups to promote, achieve, or maintain a state of health.
• Initiate and maintain therapeutic communication with individual patients/clients and families.
• Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
• Collaborate with other healthcare team members to provide optimum care.
• Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

Prerequisites Prior to Admission
*Beginning with the class starting Summer 2019, a state certification as a Certified Nursing Assistant (CNA) will be required for admission to the Vocational Nursing Program.

BIOL 20 Human Anatomy 4
BIOL 21 Human Physiology (P) 4
ENGL 2 Reading and Composition (P) 3
FN 50 Nutrition and Diet Therapy 4
or FN 2 Nutrition (3) 4
MATH 108 Beginning Algebra (P) 4

Program Sequence
NSG 18 Fundamentals of Nursing (P/C) 3
NSG 21 Clinical Nursing I (P/C) 7
NSG 22 Gerontology Nursing (P/C) 1
NSG 23 Pharmacology Nursing (P/C) 3
NSG 24 Musculoskeletal Nursing (P/C) 1
NSG 28 Role Development (P/C) 1
NSG 31 Clinical Nursing II (P/C) 7
NSG 32 Perioperative Nursing and Client Education (P/C) 2
NSG 35 Cardiovascular and Respiratory Nursing (P/C) 3
NSG 36 Gastrointestinal and Renal/Urininary Nursing (P/C) 2
NSG 37 Endocrine Disorders (P/C) 2
NSG 41 Clinical Nursing III (P/C) 7
NSG 42 Maternal Child Nursing (P/C) 2
NSG 43 Neurological and Rehabilitation Nursing (P/C) 2
NSG 44 Psych/Mental Health Nursing (P/C) 2
NSG 47 Oncology Nursing (P/C) 2
NSG 49 Role Development and Vocational Relations/Leadership (P/C) 2

AS Degree in Registered Nursing  
60 Units Minimum

Program Code: 14583.00AS
Type: Career
GE: Local AA/AS GE Pattern

About the Program
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.buddle.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.

Student Learning Outcomes

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

- Adhere to standards of professional practice, and practice within legal, ethical, and regulatory frameworks.
- Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
- Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
- Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
- Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
- Develop individualized teaching plan based on assessed needs.
- Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
- 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 for the major: 83 - 84 Units

Prerequisites Prior to Admission

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 21</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Introduction to Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>FN 2</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>or FN 50</td>
<td>Nutrition and Diet Therapy (4)</td>
<td></td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 108</td>
<td>Beginning Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PSY 1</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td></td>
</tr>
<tr>
<td>or CMST 4</td>
<td>Small Group Communication (3)</td>
<td></td>
</tr>
<tr>
<td>or CMST 10</td>
<td>Interpersonal Communication (3)</td>
<td></td>
</tr>
</tbody>
</table>

Program Sequence

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 54</td>
<td>Foundations of Practice</td>
<td>3</td>
</tr>
<tr>
<td>NSG 55</td>
<td>Medical Surgical Nursing I</td>
<td>4</td>
</tr>
<tr>
<td>NSG 56</td>
<td>Clinical Nursing I</td>
<td>5</td>
</tr>
<tr>
<td>NSG 60</td>
<td>Maternity Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 62</td>
<td>Medical-Surgical Nursing II</td>
<td>4</td>
</tr>
<tr>
<td>NSG 66</td>
<td>Clinical Nursing II</td>
<td>5</td>
</tr>
<tr>
<td>NSG 63</td>
<td>Pediatric Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 67</td>
<td>Complex Medical/Surgical Nursing III</td>
<td>4</td>
</tr>
<tr>
<td>NSG 61</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>NSG 68</td>
<td>Clinical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td>NSG 69</td>
<td>Gerontology/Community Based Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 74</td>
<td>Associate Degree Nursing Capstone</td>
<td>2</td>
</tr>
<tr>
<td>NSG 77</td>
<td>Complex Medical/Surgical Nursing IV</td>
<td>4</td>
</tr>
<tr>
<td>NSG 78</td>
<td>Clinical Nursing IV</td>
<td>5</td>
</tr>
<tr>
<td>NSG 79</td>
<td>Mental Health/Psychiatric Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

Multicultural breadth requirement met by completion of program

Other Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities GE Requirement for an AS Degree</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ANTH 4</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 2</td>
<td>Principles of Sociology (3)</td>
<td></td>
</tr>
<tr>
<td>or SOC 4</td>
<td>Modern Social Problems (3)</td>
<td></td>
</tr>
</tbody>
</table>

AS Degree in Registered Nursing: LVN to ADN 60 Units Minimum

Program Code: 01339.00AS

Type: Career

GE: Butte Local

About the Program

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.

Requirements for Application and Admission: Age 17 years or older with a 12th grade education or equivalent.

Current California licensure as a vocational nurse.

Completion of an approved IV Therapy course.

Minimum of 16 units of college level nursing credit including OB and Pediatric Nursing from a vocational or practical nursing program. (Transcripts must include OB and Pediatric courses that were successfully completed from a vocational or practical nursing program (or an alternative means of satisfying this requirement approved by the Department Chair).

Completion of all prerequisite courses (except for NSG 64 and NSG 65) 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 than "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.m.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.

Student Learning Outcomes

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

• Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
• Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
• Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
• Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
• Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
• Develop individualized teaching plan based on assessed needs.
• Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
• Demonstrate effective management through gathering information, planning, and directing in collaboration with the healthcare team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses for the major: 62 Units

Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 108</td>
<td>Beginning Algebra</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Introduction to Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 20</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 21</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 4</td>
<td>Small Group Communication (3)</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 10</td>
<td>Interpersonal Communication (3)</td>
<td>3</td>
</tr>
<tr>
<td>NSG 64</td>
<td>Transition to ADN Nursing I</td>
<td>1</td>
</tr>
<tr>
<td>NSG 65</td>
<td>Transition to ADN Nursing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Required Courses

(May be taken prior to or concurrently with the first year of the program)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 2</td>
<td>Principles of Sociology (3)</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 4</td>
<td>Modern Social Problems (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Multicultural breadth requirement met by completion of program

Program Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 67</td>
<td>Complex Medical/Surgical Nursing III</td>
<td>4</td>
</tr>
<tr>
<td>NSG 68</td>
<td>Clinical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td>NSG 69</td>
<td>Gerontology/Community Based Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 74</td>
<td>Associate Degree Nursing Capstone</td>
<td>2</td>
</tr>
<tr>
<td>NSG 77</td>
<td>Complex Medical/Surgical Nursing IV</td>
<td>4</td>
</tr>
<tr>
<td>NSG 78</td>
<td>Clinical Nursing IV</td>
<td>5</td>
</tr>
<tr>
<td>NSG 79</td>
<td>Mental Health/Psychiatric Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 61</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Licensed Vocational Nursing 67 - 68 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 20</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 21</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>FN 50</td>
<td>Nutrition and Diet Therapy</td>
<td>4</td>
</tr>
<tr>
<td>or FN 2</td>
<td>Nutrition (3)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 108</td>
<td>Beginning Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

Required courses for the certificate:

Prerequisites Prior to Admission

*Beginning with the class starting Summer 2019, a state certification as a Certified Nursing Assistant (CNA) will be required for admission to the Vocational Nursing Program.

Program Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 18</td>
<td>Fundamentals of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NSG 21</td>
<td>Clinical Nursing I</td>
<td>7</td>
</tr>
<tr>
<td>NSG 22</td>
<td>Gerontology Nursing</td>
<td>1</td>
</tr>
<tr>
<td>NSG 23</td>
<td>Pharmacology Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NSG 24</td>
<td>Musculoskeletal Nursing</td>
<td>1</td>
</tr>
<tr>
<td>NSG 28</td>
<td>Role Development</td>
<td>1</td>
</tr>
<tr>
<td>NSG 31</td>
<td>Clinical Nursing II</td>
<td>7</td>
</tr>
<tr>
<td>NSG 32</td>
<td>Perioperative Nursing and Client Education</td>
<td>2</td>
</tr>
<tr>
<td>NSG 35</td>
<td>Cardiovascular and Respiratory Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NSG 36</td>
<td>Gastrointestinal and Renal/Urinary Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 37</td>
<td>Endocrine Disorders</td>
<td>2</td>
</tr>
<tr>
<td>NSG 41</td>
<td>Clinical Nursing III</td>
<td>7</td>
</tr>
<tr>
<td>NSG 42</td>
<td>Maternal Child Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 43</td>
<td>Neurological and Rehabilitation Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 44</td>
<td>Psych/Mental Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 47</td>
<td>Oncology Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NSG 49</td>
<td>Role Development and Vocational Relations/Leadership</td>
<td>2</td>
</tr>
</tbody>
</table>

Gainful Employment Information

Certificate of Achievement in Licensed Vocational Nursing:

www.butte.edu/curriculum/gainful-employment/0134000CA.html

Student Learning Outcomes

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

• Use the nursing process to provide nursing care to individual patients/clients and families throughout the lifespan.
• Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.
• Provide educational information for individual patients/clients, families, and groups to promote, achieve, or maintain a state of health.
• Initiate and maintain therapeutic communication with individual patients/clients and families.
• Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
• Collaborate with other healthcare team members to provide optimum care.
• Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

About the Program

See AS Degree in Licensed Vocational Nursing.
Certificate of Achievement in Registered Nursing: LVN to ADN

Program Code: 20005.00CA
Type: Career
GE: None

About the Program
See AS Degree in Registered Nursing: LVN to ADN.

Gainful Employment Information
Certificate of Achievement in Registered Nursing: LVN to ADN: www.butte.edu/curriculum/gainful-employment/2000500CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
• Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
• Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
• Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
• Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
• Develop individualized teaching plan based on assessed needs.
• Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
• 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 for the certificate:

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

Certificate in Certified Nursing Assistant

Program Code: NURSINGASST.CC
Type: Career
GE: None

About the Program
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, physicians’ offices, private homes, community health agencies and in industry.

Admission to the Program
This program requires special admission. To enroll, potential students should contact the Allied Health Department at (530) 895-2328 to get necessary paperwork.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• 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.
• Demonstrate and practice safe and effective care of the surgical patient.
• 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.
• Identify and follow proper procedures for providing appropriate care for the orthopedic, oncology, pediatric and/or dying patient.

Required courses for the certificate:

Certificate in Home Health Aide

Program Code: HOMEHLTHAIDE.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe and provide safe and competent personal care and procedures to clients in a long-term care setting.
• Apply safety, cleanliness and infection control nursing measures.
• Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered.
• Identify and apply legal and ethical principles related to the role of the nursing assistant and the rights of residents.
• Describe quality of life issues, common long-term diseases/conditions, and related nursing care and rehabilitation techniques.
• Describe basic principles of nutrition and types of therapeutic diets.
• Correctly calculate mathematical problems related to the CNA nursing role and care.

Required courses for the certificate:

Certificate in Acute Care Nurse Assistant

Program Code: ACUTENURSEASSIST.CC
Type: Career
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the limitations of the acute care nurse assistant with respect to the Scope of Practice guidelines.
• Practice effective communication and documentation skills in the acute care setting.
• Identify and apply legal and ethical principles related to the role of the nursing assistant and the rights of residents in home care settings.
• 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.
• Describe basic principles of nutrition, food selection, storage, and planning/preparation of different types of therapeutic diets for the home care setting.
• Correctly calculate mathematical problems related to the CNA nursing role and care in the home care setting.

Required courses for the certificate:

NSG 103 Home Health Aide for the CNA (P) 1.5
Occupational and Life Skills (OLS)

Noncredit Certificate of Completion in Occupational and Life Skills

Julie Nuzum, Program Coordinator (530) 343-7994 ext. 1604
Department Office: Career and Employment Services, (530) 343-7994
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

Noncredit Certificate of Completion in Occupational and Life Skills

0 Units

Program Code: NONCREDITOLS.CC
Type: Local
GE: None

About the Program
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 508 hour certificate program requires successful completion of 7 courses in the OLS sequence.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and assess safety hazards in the workplace.
• Demonstrate appropriate professional conduct.
• Apply comprehension and writing strategies when confronted with workplace documentation.
• Recognize and apply for compatible job opportunities relative to their occupation-specific certification.
• Organize and accomplish tasks for completion, adhering to deadlines.
• Determine amounts of money, temperature readings, volumes, and other measurements required for some occupations.

Required courses for the certificate:
OLS 324 Workplace Communication
OLS 325 Literacy for Career Building
OLS 326 Mathematics within Industry
OLS 327 Career Exploration (P)
OLS 328 Strategies for Employment (P)
OLS 329 Occupational Certification Workshop (P)
OLS 330 Experiential Vocational Training (P)
Photography (PHO)

AS Degree in Photography
Certificate in Professional Photography

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AS Degree in Photography

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>01334.00AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>Butte Local</td>
</tr>
</tbody>
</table>

#### About the Program

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.

#### Student Learning Outcomes

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

- Execute technical, aesthetic, and conceptual decisions based on an understanding of art and design principles.
- Produce photographs suitable for seeking career opportunities in photography.
- Solve creative problems in photography, including research and synthesis of technical, aesthetic, and conceptual knowledge.
- Communicate photography concepts to specific audiences using proper visual, oral, and written presentation skills.
- Evaluate photographic works, including their own, using professional terminology.

#### Required courses for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHO 1</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 2</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 4</td>
<td>Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 6</td>
<td>Black and White Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 8</td>
<td>Commercial Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 11</td>
<td>Alternative Photographic Processes</td>
<td>3</td>
</tr>
<tr>
<td>PHO 14</td>
<td>Introduction to Photographic Portfolios and Books</td>
<td>3</td>
</tr>
<tr>
<td>PHO 15</td>
<td>Introduction to Adobe Lightroom</td>
<td>3</td>
</tr>
<tr>
<td>PHO 20</td>
<td>Photoshop for Photographers</td>
<td>3</td>
</tr>
<tr>
<td>PHO 99</td>
<td>Work Experience-PHO</td>
<td>2</td>
</tr>
</tbody>
</table>

### Certificate in Professional Photography

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>PROFESSIONALPHOTO.CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>None</td>
</tr>
</tbody>
</table>

#### Student Learning Outcomes

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

- Demonstrate the safe use of photographic equipment in the studio and on location.
- Produce photographic images for a variety of applications including industrial, medical, product display, architectural, portrait, food and fashion modeling.
- Use computer software to edit and enhance photographic images for a variety of media including magazines, newspapers, brochures, television, and the internet.
- Produce a selection of photographic images for a professional resume.

#### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHO 2</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 4</td>
<td>Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 8</td>
<td>Commercial Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHO 15</td>
<td>Introduction to Adobe Lightroom</td>
<td>3</td>
</tr>
</tbody>
</table>
Physics (PHYS)

AS-T Degree in Physics
AS Degree in Physics

Jason Trento, Chair (530) 879-4305
Department Office: TE 132, (530) 879-6106
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS-T Degree in Physics

60 Units Minimum

Program Code: 31950.00AS-T
Type: Transfer
GE: CSU or IGETC

About the Program

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

Student Learning Outcomes

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

• Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.
• Demonstrate analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
• 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 for the major:

25 Units

Required Core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 41</td>
<td>Physics for Scientists and Engineers I (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 42</td>
<td>Physics for Scientists and Engineers II (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 43</td>
<td>Physics for Scientists and Engineers III (P)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I (P)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II (P)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 32</td>
<td>Analytic Geometry and Calculus III (P)</td>
<td>4</td>
</tr>
</tbody>
</table>

AS Degree in Physics

60 Units Minimum

Program Code: 01357.00AS
Type: Local
GE: Butte Local

About the Program

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.

Student Learning Outcomes

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

• Demonstrate basic experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.
• Demonstrate basic analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
• Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.

Required courses for the major:

39 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1</td>
<td>General Chemistry I (P)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 2</td>
<td>General Chemistry II (P)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 30</td>
<td>Analytic Geometry and Calculus I (P)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 31</td>
<td>Analytic Geometry and Calculus II (P)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 32</td>
<td>Analytic Geometry and Calculus III (P)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 40</td>
<td>Differential Equations (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 41</td>
<td>Physics for Scientists and Engineers I (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 42</td>
<td>Physics for Scientists and Engineers II (P)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 43</td>
<td>Physics for Scientists and Engineers III (P)</td>
<td>4</td>
</tr>
</tbody>
</table>
Political Science (POS)

AA-T Degree in Political Science
Certificate in Leadership and Civic Engagement

Christine Trolinger, Chair (530) 895-2301
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Political Science 60 Units Minimum

Program Code: 31939.01AA-T
Type: Transfer
GE: CSU or IGETC

About the Program
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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify major aspects of governmental systems of the United States, for individual states (especially California), and compare governmental systems on a global basis.
• 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 for the major: 18 Units

Required Core:
POS 2 United States Government 3

List A: Select three
POS 3 Comparative Politics 3
POS 18 International Relations 3
MATH 18 Introduction to Statistics (P) 3

List B: Select two
Any course from List A not already used
POS 12 California State and Local Government 3
POS 16 Vital Political Problems 3
HIST 20 Political History of the Middle East 3

Certificate in Leadership and Civic Engagement 13 Units

Program Code: LEADERSHIP.CC
Type: Local
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the history and current trends of leadership and civic engagement theories and models.
• Identify the steps and demonstrate skills necessary to plan, implement and lead civic engagement projects.
• Perform in leadership positions on campus or in the community.
• Articulate a personal awareness of their own strengths, deficits, and areas for growth as a leader.

Required courses for the certificate:
POS 92 Exploring Leadership 3
IDST 94 Introduction to Service Learning 1
LM 40 Life Management 3
or PSY 20 Personal and Social Growth and Wellness (3)

Select 2 courses from the following: 6
CMST 2 Public Speaking (3)
CMST 2H Honors Public Speaking (3)
CMST 4 Small Group Communication (3)
CMST 9 Intercultural Communication (3)
ANTH 18 World Cultures (3)
PHIL 5 Environmental Ethics (3)
SOC 30 Sociology of Inequality (3)
SOC 5 Our Sustainable Future (3)
Physical Science (PSC)

AS Degree in Environmental Science
AS Degree in Physical Science

Jason Trento, Chair (530) 879-4305
Department Office: TE 132, (530) 879-6106
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Environmental Science 60 Units Minimum

Program Code: 15151.00AS
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes
Upon successful completion of this program, 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.
• Demonstrate knowledge of how human activities impact the physical and biological environments.
• Demonstrate knowledge of environmental policy-making, regulation, compliance, enforcement, and the collection of data from fieldwork.

Required courses for the major: 25 - 33 Units

Complete one emphasis
Ecological Restoration Emphasis at CSU, Humboldt
PSC 10 Introduction to Environmental Science 4
NR 28 Environmental Management 3
BIOL 13 Cell and Molecular Biology (P) 5
BIOL 12 Botany 5
CHEM 51 Elementary Inorganic Chemistry (P) 5
AGS 50 General Soils 4

Energy and Climate Emphasis at CSU, Humboldt
PSC 10 Introduction to Environmental Science 4
NR 28 Environmental Management 3
BIOL 12 Botany 5
or BIOL 13 Cell and Molecular Biology (5) (P) 4
CHEM 51 Elementary Inorganic Chemistry (P) 5
or CHEM 1 General Chemistry I (5) (P)
and CHEM 2 General Chemistry II (5) (P)
ECON 35 Introduction to Environmental Economics 3

Geosciences: Physical Science Education Option at CSU, Chico
CHEM 1 General Chemistry I (P) 5
CHEM 2 General Chemistry II (P) 5
GEOL 32 Physical Geology with Lab 4
GEOL 34 Historical Geology with Lab 4
MATH 13 Survey of Calculus (P) 4
or MATH 30 Analytic Geometry and Calculus I (5) (P) 4
MATH 18 Introduction to Statistics (P) 3
or MATH 31 Analytic Geometry and Calculus II (4) (P)
PHYS 21 College Physics I (P) 4
and PHYS 22 College Physics II (4) (P)
and PHYS 41 Physics for Scientists and Engineers I (4) (P)
and PHYS 42 Physics for Scientists and Engineers II (4) (P)
CHEM 21 Organic Chemistry I (P) 5
BIO 1 Introduction to Biology 4
or BIOL 13 Cell and Molecular Biology (5) (P)

AS Degree in Physical Science 60 Units Minimum

Program Code: 01356.00AS
Type: Local
GE: Butte Local

About the Program
This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org

Student Learning Outcomes
Upon successful completion of this program, 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.
• Demonstrate knowledge of the interplay between the various physical sciences, how they align, and how they differ.
• Demonstrate how the physical sciences differ from the biological and social sciences.

Required courses for the major: 42 - 45 Units

Geosciences: Physical Science Education Option at CSU, Chico
CHEM 1 General Chemistry I (P) 5
CHEM 2 General Chemistry II (P) 5
GEOL 32 Physical Geology with Lab 4
GEOL 34 Historical Geology with Lab 4
MATH 13 Survey of Calculus (P) 4
or MATH 30 Analytic Geometry and Calculus I (5) (P) 4
MATH 18 Introduction to Statistics (P) 3
or MATH 31 Analytic Geometry and Calculus II (4) (P)
PHYS 21 College Physics I (P) 4
and PHYS 22 College Physics II (4) (P)
and PHYS 41 Physics for Scientists and Engineers I (4) (P)
and PHYS 42 Physics for Scientists and Engineers II (4) (P)
CHEM 21 Organic Chemistry I (P) 5
BIO 1 Introduction to Biology 4
or BIOL 13 Cell and Molecular Biology (5) (P)
Psychology (PSY)

AA-T Degree in Psychology
Certificate of Achievement in Peace and Global Studies
Certificate in Peace and Global Studies

Linda Johnson, Chair (530) 895-2890
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Psychology 60 Units Minimum

Program Code: 31422.00AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in psychology from diverse perspectives.
• Critically evaluate research reports and synthesize a body of research findings.
• Develop testable hypotheses and select appropriate research design to test hypotheses.

Required courses for the major: 18 - 19 Units

Required Core:
MATH 18 Introduction to Statistics (P) 3
PSY 1 Principles of Psychology 3
PSY 7 Introduction to Research Methods in Psychology (P) 3

List A: Select one
BIOL 1 Introduction to Biology 3
BIOL 2 Introduction to Human Biology 3
PSY 3 Introduction to Biological Psychology (P) 3

List B: Select one
Any Course from List A not already used 3

List C: Select one
Any Course from List A or B not already used 3

List D: Select one
PSY 6 Abnormal Psychology 3
PSY 41 Socio-Cultural Context of Psychological Development 3

Any Course from List A or B not already used

Certificate of Achievement in Peace and Global Studies 28 - 29 Units

Program Code: 18794.00CA
Type: Local
GE: None

About the Program
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.

Gainful Employment Information
Certificate of Achievement in Peace and Global Studies
http://www.butte.edu/departments/curriculum/gainful-employment/1879400CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Define the many forms of violence that exist from with in one's mind to all levels of social construction.
• Interrelate direct violence to deeper structural issues.
• Recognize and articulate how core values, worldviews, and communication patterns shape cultural and individual identities.
• Identify and describe barriers to effective intercultural communication such as stereotyping, prejudice, and ethnocentrism.
• Evaluate the common problems that plague human societies and discuss remedies that would create more just and equitable societies on a global scale.
• Analyze and discuss the promotion of ethical living by enhancing personal integrity in daily life.
• Explain what it means to be a conscious, proactive global citizen.

Required courses for the certificate:

PSY 11 Peace Psychology 3
POS 92 Exploring Leadership 3
PSY 10 Peace and Global Studies Capstone 1
CMST 9 Intercultural Communication 3
POS 16 Vital Political Problems 3
PSY 34 Eastern Psychology: Traditions and Practices 3
or PSY 36 Psychology of Meditation and Mindfulness (3)

Select 1 course from the following: 3
ANTH 4 Cultural Anthropology (3)
ECON 2 Principles of Macroeconomics (3) (P)
POS 18 International Relations (3)
SOC 5 Our Sustainable Future (3)

Select 1 course from the following: 3 - 4
CHIN 1 First Semester Chinese (4)
CHIN 2  Second Semester Chinese (4) (P)
FREN 1  First Semester French (4)
FREN 2  Second Semester French (4) (P)
GERM 1  First Semester German (4)
GERM 2  Second Semester German (4) (P)
GERM 3  Third Semester German (4) (P)
GERM 4  Fourth Semester German (4) (P)
ITAL 1  First Semester Italian (4)
ITAL 2  Second Semester Italian (4) (P)
JPN 1  First Semester Japanese (4)
JPN 2  Second Semester Japanese (4) (P)
JPN 3  Third Semester Japanese (4) (P)
JPN 4  Fourth Semester Japanese (4) (P)
ASL 1  American Sign Language I (4)
ASL 2  American Sign Language II (4) (P)
SPAN 1  First Semester Spanish (4)
SPAN 2  Second Semester Spanish (4) (P)
SPAN 3  Third Semester Spanish (4) (P)
SPAN 4  Fourth Semester Spanish (4) (P)

Select 1 course from the following:

HIST 6  Modern World History (3)
ANTH 18  World Cultures (3)

Select 1 course from the following:

ART 6  African, Oceanic, and Native American Art History Survey (3)
ENGL 21  Mythology (3)
ENGL 35  Cross-Cultural Film and Literature (3)
PHIL 16  Western Religions (3)
PHIL 18  Eastern Religions (3)

Certificate in Peace and Global Studies 16 Units

Program Code: PEACEGLOBAL.CC
Type: Local
GE: None

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Define the many forms of violence that exist from within one's mind to all levels of social construction.
• Interrelate direct violence to deeper structural issues.
• Recognize and articulate how core values, worldviews, and communication patterns shape cultural and individual identities.
• Identify and describe barriers to effective intercultural communication such as stereotyping, prejudice, and ethnocentrism.
• Analyze and discuss the promotion of ethical living by enhancing personal integrity in daily life.

Required courses for the certificate:
PSY 11  Peace Psychology 3
PSY 10  Peace and Global Studies Capstone 1
PSY 34  Eastern Psychology; Traditions and Practices 3

or PSY 36  Psychology of Meditation and Mindfulness (3)
POS 16  Vital Political Problems 3
or SOC 5  Our Sustainable Future (3)
CMST 9  Intercultural Communication 3
POS 92  Exploring Leadership 3
Real Estate (RLS)

AS Degree in Real Estate
Certificate of Achievement in Real Estate
Certificate in Real Estate Appraisal
Certificate in Real Estate Sales

Patrick Christensen, Chair (530) 895-2508
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Real Estate 60 Units Minimum
Program Code: 01312.00AS
Type: Career
GE: Butte Local

About the Program
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)

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and explain real estate concepts and principles.
• Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
• Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses for the major: 30 - 40 Units
ACCT 20 Introduction to Accounting 3
or ACCT 2 Financial Accounting (4)
BUS 25 Small Business Management 3
BUS 50 Sales in Today's World 3

Certificate of Achievement in Real Estate 24 - 25 Units
Program Code: 01312.00CA
Type: Career
GE: None

About the Program
See AS Degree in Real Estate.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Identify and explain real estate concepts and principles.
• Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
• Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses for the certificate:
RLS 20 Real Estate Principles 3
RLS 25 Real Estate Practices (P) 3
BUS 35 Management and Human Relations 3
RLS 40 Real Estate Finance (P) 3
or RLS 45 Real Estate Economics (3) (P)
BUS 50 Sales in Today's World 3
RLS 30 Legal Aspects of Real Estate (P) 3
BCIS 18 Introduction to Business Technology 3
or CSCI 2 Business and Computer Information Systems (3)
ACCT 2 Financial Accounting 4
or ACCT 20 Introduction to Accounting (3)

Certificate in Real Estate Appraisal 15 Units
Program Code: REALSTATEAPP.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the purpose, steps and outcomes of the appraisal process.
• Utilize each of the traditional approaches (sales comparison, cost and income) to estimate market value for a particular residential property.
• Prepare an appraisal report for a particular residential property utilizing the Uniform Residential Appraisal Report (URAR) format.
• Identify and describe fundamental real estate concepts and principles.

Required courses for the certificate:
RLS 20  Real Estate Principles 3
RLS 30  Legal Aspects of Real Estate (P) 3
or BUS 8  Legal Environment of Business (3)
RLS 35  Real Estate Appraisal (P) 3
RLS 45  Real Estate Economics (P) 3
RLS 55  Property Management (P) 3

Certificate in Real Estate Sales
15 Units

Program Code: REALESTATESALES.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Prepare sales listings and sales contracts.
• Explain the process of transferring ownership of real estate including escrow procedure and legal documentation required.
• Identify and describe fundamental real estate concepts and principles.
• Explain the appraisal process and its impact on closing real estate transactions.

Required courses for the certificate:
RLS 20  Real Estate Principles 3
RLS 25  Real Estate Practices (P) 3
RLS 35  Real Estate Appraisal (P) 3
RLS 45  Real Estate Economics (P) 3
RLS 50  Escrow Procedures (P) 3
## Respiratory Therapy (RT)

### AS Degree in Respiratory Care
**Certificate of Achievement in Respiratory Care**

Donna Davis, Chair (530) 895-2827  
Department Office: AHPS 215, (530) 873-7533  
Counseling and Advising: (530) 895-2378  
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

### AS Degree in Respiratory Care 60 Units Minimum

<table>
<thead>
<tr>
<th>Program Code:</th>
<th>01342.00AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Career</td>
</tr>
<tr>
<td>GE:</td>
<td>Butte Local</td>
</tr>
</tbody>
</table>

#### About the Program

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 (CoARC) (www.coarc.com).

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 Certified Respiratory Therapist (CRT) and 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.butter.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 $4,500 - $5,000 for the entire program, including licensure. Financial aid may be available to qualified students.

### Student Learning Outcomes

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

- Demonstrate a solid professional and general medical knowledge base.
- Demonstrate self-direction and responsibility for his/her own actions.
- Display respect for beliefs and values of all persons regardless of cultural background, religion, age, or lifestyle.
- Accurately interpret pertinent clinical information from medical records and physical findings.
- Recommend appropriate therapeutic interventions based on physiological data and patient assessment data.
- Demonstrate sound clinical judgment and is proficient in the clinical skills required on the job.
- Competently perform the therapeutic procedures and modalities, and diagnostic procedures required on the job.
- Demonstrate efficient performance of an overall patient assessment.
- Demonstrate effective oral and communication skills.
- Exhibit ethical and professional manners, including timely and prepared entrance to clinic and contributing to a positive work environment.
- Function effectively as a member of the health care team, accepts supervision and works effectively with supervisory personnel.

#### Prerequisites for admission to the program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 110</td>
<td>Introductory Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>(or other college level CHEM course)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 108</td>
<td>Beginning Algebra</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 124</td>
<td>Intermediate Algebra (5)</td>
<td>4</td>
</tr>
<tr>
<td>or MATH Level V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Introduction to Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 20</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 21</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

#### 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.

#### Additional courses required for completion of the program

The following courses may be taken prior to or during the program; however, completing any of these courses prior to admission will significantly reduce the student's workload while in the program.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2</td>
<td>Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>GE Requirement-Area C: 3 Units</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSY 1</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CMST 2</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2H</td>
<td>Honors Public Speaking (3)</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 4</td>
<td>Small Group Communication (3)</td>
<td>3</td>
</tr>
<tr>
<td>KIN Activity Courses: 2 courses</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ALH 6</td>
<td>The Critical Six Soft Skills in the Professional Healthcare Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Program Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 110</td>
<td>Fundamentals of Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 115</td>
<td>Clinical Preparation for Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 120</td>
<td>Concepts in Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 125</td>
<td>Introduction to Clinical Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 128</td>
<td>Respiratory Care Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>RT 135</td>
<td>Fundamentals of Clinical Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 140</td>
<td>Fundamentals of Intensive Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 142</td>
<td>Neonatal and Pediatric Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 145</td>
<td>Advanced Respiratory Care Procedures</td>
<td>3</td>
</tr>
<tr>
<td>RT 155</td>
<td>Respiratory Care Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>RT 160</td>
<td>Respiratory Care Seminar II</td>
<td>3</td>
</tr>
<tr>
<td>RT 165</td>
<td>Respiratory Care Practicum II</td>
<td>3</td>
</tr>
</tbody>
</table>

### Required courses for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE Requirement-Area C: 3 Units</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSY 1</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 124</td>
<td>Intermediate Algebra (5)</td>
<td>4</td>
</tr>
<tr>
<td>or MATH Level V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 15</td>
<td>Introduction to Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 20</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 21</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

### Program Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 110</td>
<td>Fundamentals of Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 115</td>
<td>Clinical Preparation for Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 120</td>
<td>Concepts in Respiratory Care</td>
<td>4</td>
</tr>
<tr>
<td>RT 125</td>
<td>Introduction to Clinical Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 128</td>
<td>Respiratory Care Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>RT 135</td>
<td>Fundamentals of Clinical Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 140</td>
<td>Fundamentals of Intensive Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 142</td>
<td>Neonatal and Pediatric Respiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 145</td>
<td>Advanced Respiratory Care Procedures</td>
<td>3</td>
</tr>
<tr>
<td>RT 155</td>
<td>Respiratory Care Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>RT 160</td>
<td>Respiratory Care Seminar II</td>
<td>3</td>
</tr>
<tr>
<td>RT 165</td>
<td>Respiratory Care Practicum II</td>
<td>3</td>
</tr>
</tbody>
</table>

---

156  
Butte College 2018-2019 Catalog
Certificate of Achievement in Respiratory Care
92 - 93 Units

Program Code: 01342.00CA
Type: Career
GE: None

About the Program
See AS Degree in Respiratory Care

Gainful Employment Information
Certificate of Achievement in Respiratory Care
http://www.butte.edu/departments/curriculum/gainful-employment/0134200CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- Demonstrate a solid professional and general medical knowledge base.
- Demonstrate self-direction and responsibility for his/her own actions.
- Display respect for beliefs and values of all persons regardless of cultural background, religion, age, or lifestyle.
- Accurately interpret pertinent clinical information from medical records and physical findings.
- Recommend appropriate therapeutic interventions based on physiological data and patient assessment data.
- Demonstrate sound clinical judgment and is proficient in the clinical skills required on the job.
- Competently perform the therapeutic procedures and modalities, and diagnostic procedures required on the job.
- Demonstrate efficient performance of an overall patient assessment.
- Demonstrate effective oral and communication skills.
- Function effectively as a member of the health care team, accepts supervision and works effectively with supervisory personnel.

Required courses for the certificate:

Required courses for admission to the program
CHEM 110 Introductory Chemistry 4
(or other college level CHEM course)
MATH 108 Beginning Algebra (P) 4
or MATH 124 Intermediate Algebra (P) 4
or MATH Level V
BIOL 15 Introduction to Microbiology (P) 5
BIOL 20 Human Anatomy 4
BIOL 21 Human Physiology (P) 4

Additional course required for completion of the program
The following courses may be taken prior to or during the program; however, completing any of these courses prior to admission will significantly reduce the student's workload while in the program.

ENGL 2 Reading and Composition (P) 3
GE Requirement-Area C: 3 Units 3
PSY 1 Principles of Psychology 3
CMST 2 Public Speaking 3
or CMST 2H Honors Public Speaking (3)
or CMST 4 Small Group Communication (3)
KIN Activity Courses: 2 courses 2
ALH 6 The Critical Six Soft Skills in the Professional Healthcare Environment 3

Program Sequence
RT 110 Fundamentals of Respiratory Care (P) 7
RT 115 Clinical Preparation for Respiratory Care (P) 5
RT 120 Concepts in Respiratory Care (P/C) 7
RT 125 Introduction to Clinical Respiratory Care (P/C) 5
RT 128 Respiratory Care Pharmacology (P/C) 3
RT 135 Fundamentals of Clinical Respiratory Care (P) 3.5
RT 140 Fundamentals of Intensive Respiratory Care (P/C) 6
RT 142 Neonatal and Pediatric Respiratory Care (P/C) 3
RT 145 Advanced Respiratory Care Procedures (P/C) 5
RT 155 Respiratory Care Practicum I (P) 2
RT 160 Respiratory Care Seminar II (P/C) 4
RT 165 Respiratory Care Practicum II (P/C) 8
Radio-TV-Film (RTVF)

AS-T Degree in Film, Television and Electronic Media
AS Degree in Radio-TV-Film: Video Production
Certificate of Achievement in Radio-TV-Film: Video Production
Certificate in Mass Media Studies
Certificate in Single Camera Video Production

Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AS Degree in Film, Television and Electronic Media

Program Code: 35684.01AS-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- 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.
- Write effectively for a variety of platforms appropriate to the discipline.
- Gather, organize and analyze discipline-appropriate research and communicate information about it.
- Identify and analyze legal and ethical principles relating to media.
- Apply media technology, terminology and techniques to the design and creation of content for film, television, and electronic media.

Required courses for the major:
18 Units

Required Core:
- RTVF 12 Mass Media and Society 3
- RTVF 14 Introduction to Media Writing 3

List A: (6 units)
- RTVF 30 Digital Audio Production 3
- RTVF 40 Digital Video Production 3

List B: (3 units)
- ART 1 Art Appreciation 3
- ART 2 Art History Survey I 3
- ART 4 Art History Survey II 3
- DRAM 2 Theatre Arts Appreciation 3
- JOUR 2 Introduction to Reporting and Newswriting 3
- PHO 2 Introduction to Photography 3

List C: (3 units)
Any course not already used above
- RTVF 13 Exploring Contemporary Television 3
- RTVF 15 Introduction to Film 3
- RTVF 55 Music Video Production 3

AS Degree in Radio-TV-Film: Video Production

Program Code: 07474.01AS
Type: Career
GE: Butte Local

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
- Demonstrate expert and safe use of hardware and software while creating audio/video productions.
- Discuss, analyze and write about audio/video productions.
- Organize and assemble audio/video productions for presentation to an audience.

Required courses for the major:
21 Units

- RTVF 30 Digital Audio Production 3
- RTVF 12 Mass Media and Society 3
- RTVF 40 Digital Video Production 3
- RTVF 14 Introduction to Media Writing 3
- MSP 74 Multimedia Production I 3
- RTVF 55 Music Video Production 3
- MSP 10 Digital Video Design and Production 3

Certificate of Achievement in Radio-TV-Film: Video Production

Program Code: 07471.00CA
Type: Career
GE: None

About the Program
See AS degree in Radio-TV-Film: Video Production.

Gainful Employment Information
Certificate of Achievement in Radio-TV: Video Production:
http://www.butte.edu/departments/curriculum/gainful-employment/0747100CA.html

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
• Demonstrate expert and safe use of hardware and software while creating audio/video productions.
• Discuss, analyze and write about audio/video productions.
• Organize and assemble audio/video productions for presentation to an audience.

### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTVF 30</td>
<td>Digital Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 12</td>
<td>Mass Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 40</td>
<td>Digital Video Production</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 14</td>
<td>Introduction to Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>MSP 74</td>
<td>Multimedia Production I</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 55</td>
<td>Music Video Production</td>
<td>3</td>
</tr>
<tr>
<td>MSP 10</td>
<td>Digital Video Design and Production</td>
<td>3</td>
</tr>
</tbody>
</table>

### Certificate in Mass Media Studies

**12 Units**

**Program Code:** MASSMEDIA.CC  
**Type:** Career  
**GE:** None

### About the Program

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.

### Student Learning Outcomes

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

- Describe the history, business models and new technologies of mass media in the United States.
- Analyze the role and function of media ethics in commercial mass media.
- Identify and address the technical and aesthetic issues related to creating and writing for electronic media.
- Write and assemble audio or video productions for presentation to an audience.

### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTVF 12</td>
<td>Mass Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 14</td>
<td>Introduction to Media Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one course from the following:**

- RTVF 13: Exploring Contemporary Television  | 3
- RTVF 15: Introduction to Film             | 3

**Select one course from the following:**

- RTVF 30: Digital Audio Production         | 3
- RTVF 40: Digital Video Production         | 3

### Certificate in Single Camera Video Production

**9 Units**

**Program Code:** SINGLECAMVIDPROD.CC  
**Type:** Career  
**GE:** None

### Student Learning Outcomes

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

- Apply basic videography skills to compose and record footage suitable for editing and digital manipulation.
- Use computer software to edit a complete video project including title and soundtrack.
- Select and edit audio sound effects and music for a video production.
- Upload a video project to an Internet video sharing site for on-line distribution.
- Evaluate a video production based on the target audience’s interests, needs and viewing habits.

### Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSP 10</td>
<td>Digital Video Design and Production</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 30</td>
<td>Digital Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 40</td>
<td>Digital Video Production</td>
<td>3</td>
</tr>
</tbody>
</table>
Sociology (SOC)

AA-T Degree in Sociology
AA Degree in Social and Behavioral Science
Certificate in Sustainability Studies

Linda Johnson, Chair (530) 895-2890
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Sociology 60 Units Minimum

Program Code: 31954.00AA-T
Type: Transfer
GE: CSU or IGETC

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

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Describe the major concepts, perspectives, research methods, and historic trends in sociology.
• Identify and analyze contemporary social problems and issues of gender, race, ethnicity, and social inequality using qualitative and quantitative information.

Required courses for the major: 18 Units

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 2</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4</td>
<td>Modern Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>MATH 18</td>
<td>Introduction to Statistics</td>
<td>(P) 3</td>
</tr>
</tbody>
</table>

List A: Select two

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 8</td>
<td>Introduction to Marriage, Family and Intimate Relationships</td>
<td>3</td>
</tr>
<tr>
<td>SOC 14</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 20</td>
<td>Introduction to Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOC 10</td>
<td>Introduction to Crime and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

List B: Select one

Any course from List A not already used
SOC 5 Our Sustainable Future 3

AA Degree in Social and Behavioral Science 60 Units Minimum

Program Code: 01363.00AA
Type: Local
GE: Butte Local

About the Program
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 interested in this program please see a counselor.

Student Learning Outcomes
Upon successful completion of this program, 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.

Required courses for the major: 18 Units

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 1</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 2</td>
<td>Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 3</td>
<td>Legal Research</td>
<td>2</td>
</tr>
<tr>
<td>AJ 4</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 6</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 7</td>
<td>Report Writing for Law Enforcement Officers</td>
<td>2</td>
</tr>
<tr>
<td>AJ 8</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 10</td>
<td>Juvenile Procedures</td>
<td>3</td>
</tr>
<tr>
<td>AJ 11</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 13</td>
<td>Organized Crime/Gangs</td>
<td>3</td>
</tr>
<tr>
<td>AJ 14</td>
<td>Community Oriented Policing</td>
<td>3</td>
</tr>
<tr>
<td>AJLE 1</td>
<td>Crisis Intervention Training</td>
<td>2</td>
</tr>
<tr>
<td>ANTH 4</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 13</td>
<td>Magic, Witchcraft and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 14</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 16</td>
<td>Archaeology and Ancient Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 18</td>
<td>World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 32</td>
<td>Native Americans</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 33</td>
<td>Ancient Mesoamerica</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 34</td>
<td>Native Americans Today</td>
<td>3</td>
</tr>
<tr>
<td>CDF 12</td>
<td>Child, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CDF 14</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CDF 57</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2</td>
<td>Principles of Macroeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4</td>
<td>Principles of Microeconomics (P)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 20</td>
<td>Economic History of the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>ECON 25</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 35</td>
<td>Introduction to Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 5</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 8</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 10</td>
<td>Geography of California</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 12</td>
<td>The American West</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3</td>
<td>World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5</td>
<td>World History since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 6</td>
<td>Modern World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 8</td>
<td>United States History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 10</td>
<td>United States History-1877 to Present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 18</td>
<td>Multicultural History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 20</td>
<td>Political History of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 26</td>
<td>Men and Women in American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 30</td>
<td>History of the African American</td>
<td>3</td>
</tr>
<tr>
<td>MCGS 32</td>
<td>Introduction to African American Studies</td>
<td>3</td>
</tr>
<tr>
<td>MCGS 36</td>
<td>Introduction to Chicano American Studies</td>
<td>3</td>
</tr>
<tr>
<td>MCGS 38</td>
<td>Introduction to Asian American Studies</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 5</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 6</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 8</td>
<td>Methods of Argument (P)</td>
<td>3</td>
</tr>
</tbody>
</table>
PHIL 16 Western Religions 3
PHIL 18 Eastern Religions 3
PHIL 58 Teaching About Religion 3
PSY 1 Principles of Psychology 3
PSY 6 Abnormal Psychology 3
PSY 10 Peace and Global Studies Capstone 1
PSY 11 Peace Psychology 3
PSY 16 Psychology of Women 3
PSY 20 Personal and Social Growth and Wellness 3
PSY 24 Psychology of Sleep, Dreams and Archetypes 3
PSY 34 Eastern Psychology: Traditions and Practices 3
PSY 41 Socio-Cultural Context of Psychological Development 3
POS 2 United States Government 3
POS 3 Comparative Politics 3
POS 12 California State and Local Government 3
PSY 15 Lifespan Psychology 3
POS 16 Vital Political Problems 3
POS 18 International Relations 3
POS 92 Exploring Leadership 3
SOC 2 Principles of Sociology 3
SOC 4 Modern Social Problems 3
SOC 5 Our Sustainable Future 3
SOC 8 Introduction to Marriage, Family and Intimate Relationships 3
SOC 14 Sociology of Gender 3
SOC 30 Sociology of Inequality 3
SOC 55 Sustainability Studies Seminar (C) 2

Certificate in Sustainability Studies 17 Units

Program Code: SUSTAINABILITY.CC
Type: Local
GE: None

About the Program
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 facilitate 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 prepared 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

- 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.
- Define sustainability, evaluate the sustainability of particular systems and practices, and analyze the political and cultural challenges of sustainability implementation.

Required courses for the certificate:
SOC 5 Our Sustainable Future 3
ECON 35 Introduction to Environmental Economics 3
BIOL 7 Sustaining Life on Earth 3
PHIL 5 Environmental Ethics 3
SOC 55 Sustainability Studies Seminar (C) 2
PSY 11 Peace Psychology 3
or AGS 10 World Food and Hunger Issues (3)
Spanish (SPAN)

AA-T Degree in Spanish

Justin Wentzell, Chair (530) 895-2281
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

AA-T Degree in Spanish

60 Units Minimum

Program Code: 35887.00AA-T
Type: Transfer
GE: CSU or IGETC

About the Program

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

Student Learning Outcomes

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

• 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.
• Read and understand authentic texts in Spanish such as letters, essays, newspaper articles, poems, and/or short stories.
• 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 for the major: 19 Units

Required Core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 1</td>
<td>First Semester Spanish</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 2</td>
<td>Second Semester Spanish</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 3</td>
<td>Third Semester Spanish</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 4</td>
<td>Fourth Semester Spanish</td>
<td>4</td>
</tr>
</tbody>
</table>

List A: Select one

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 14</td>
<td>Hispanic Short Stories</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 16</td>
<td>Hispanic Film</td>
<td>3</td>
</tr>
</tbody>
</table>
Certificate in Special Education for Instructional Service Agreement Instructors

7 Units

Program Code: SPEINSTRSERVAGREE.CC
Type: Other
GE: NONE

About the Program
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 disabilities. 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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
- Ensure successful students can implement authentic assessment measures.
- Enhance student abilities to determine learning styles and recognize learning challenges.
- Train students in delivering multiple instructional strategies.
- Develop students' knowledge about Special Education legislation and documentation.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 100</td>
<td>Special Education Regulations in the Workplace</td>
<td>(C)</td>
<td>2</td>
</tr>
<tr>
<td>SPED 101</td>
<td>Teaching Adults with Disabilities</td>
<td>(C)</td>
<td>2</td>
</tr>
<tr>
<td>SPED 102</td>
<td>Teaching Adults with Disabilities Practicum</td>
<td>(P)</td>
<td>3</td>
</tr>
</tbody>
</table>
# Welding (WLD)

**AS Degree in Welding Technology**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Miles Peacock, Chair (530) 879-6162</td>
<td>Department Office: AHPS 251, (530) 895-2551</td>
<td>Counseling and Advising: (530) 895-2378</td>
<td>Transfer Counseling Center: (530) 895-2264</td>
<td></td>
</tr>
</tbody>
</table>

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). See Catalog Descriptions section for details.

**AS Degree in Welding Technology**

| Program Code: 01325.00AS | Type: Career | GE: Butte Local |

**About the Program**

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.

**Student Learning Outcomes**

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

- Setup and safely operate welding equipment.
- Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
- Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

**Required courses for the major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD 22</td>
<td>Oxyacetylene Welding and Flame Cutting (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 24</td>
<td>Shielded Metal Arc Welding (Stick Electrode) (P/C)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>WLD 25</td>
<td>Fabrication Practices (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 26</td>
<td>Symbol Reading, Blue Print Interpretation and Computations (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 28</td>
<td>Mig and Tig Arc Welding (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 30</td>
<td>Heavy Plate Welding (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 32</td>
<td>Integrated Welding Applications (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 34</td>
<td>Pipe and Tube Welding (P/C)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>WLD 36</td>
<td>Welder Qualification (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 40</td>
<td>Welding Equipment Maintenance and Service (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 42</td>
<td>Introduction to Welding Inspection (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 50</td>
<td>Pipe Fitting and Cutting (P)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 56</td>
<td>Welding Industry Employment Preparation (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 154</td>
<td>Shop Practices for Welders I (P/C)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>WLD 156</td>
<td>Shop Practices for Welders II (P/C)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>WLD 160</td>
<td>Welding Certification Practices (P)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>BUS 25</td>
<td>Small Business Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AB 54</td>
<td>Supervision and Management in Agriculture (P)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BCIS 18</td>
<td>Introduction to Business Technology (P)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or CSCI 2</td>
<td>Business and Computer Information Systems (P)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 99</td>
<td>Work Experience-WLD (P)</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**Certificate of Achievement in Welding Technology**

| Program Code: 01325.00CA | Type: Career | GE: None |

**About the Program**

See AS Degree in Welding Technology.

**Gainful Employment Information**

Certificate of Achievement in Welding Technology: www.butte.edu/curriculum/gainful-employment/0132500CA.html

**Student Learning Outcomes**

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

- Setup and safely operate welding equipment.
- Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
- Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

**Required courses for the certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD 22</td>
<td>Oxyacetylene Welding and Flame Cutting (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 24</td>
<td>Shielded Metal Arc Welding (Stick Electrode) (P/C)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>WLD 25</td>
<td>Fabrication Practicums (P/C)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WLD 26</td>
<td>Symbol Reading, Blue Print Interpretation and Computations (P/C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WLD 28</td>
<td>Mig and Tig Arc Welding (P/C)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
WLD 30 Heavy Plate Welding (P/C) 3
WLD 32 Integrated Welding Applications (P/C) 3
WLD 34 Pipe and Tube Welding (P/C) 4
WLD 36 Welder Qualification (P/C) 3
WLD 40 Welding Equipment Maintenance and Service (P/C) 2
WLD 42 Introduction to Welding Inspection (P/C) 2
WLD 50 Pipe Fitting and Cutting (P) 2
WLD 56 Welding Industry Employment Preparation (P/C) 3
WLD 154 Shop Practices for Welders I (P/C) 1
WLD 156 Shop Practices for Welders II (P/C) 1
WLD 160 Welding Certification Practices (P) 1

Certificate in PowerPathway Gas Pipeline Welding 7 Units

Program Code: POWERPATHWAY.CC
Type: Career
GE: None

About the Program
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.

Admission to the Program
Completion of Certificate of Achievement or AS Degree in Welding Technology.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Demonstrate proper use of the OAW and SMAW processes in all positions.
• Apply qualification procedures per requirements set by the AWS.
• Setup and safely operate welding equipment.
• Perform qualification procedures of the API and ASME for certification.
• Interpret welding symbols on a variety of layouts and working drawings.

Required courses for the certificate:
Courses required for the PowerPathway Apprenticeship Program (only offered in the summer session)
WLD 55 Power Generation and Petroleum Chemical Pipe & Tube Welding (P/C) 5
WLD 158 Shop Practices for Pipe and Tube Welders (P/C) 1
WLD 162 Pipe and Tube Welding Certification Practices (P) 1

Certificate in Welding Technology Level I 9 Units

Program Code: WELDINGLEVELI.CC
Type: Career
GE: None

About the Program
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.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Demonstrate proper use of the OAW and SMAW processes in all positions.
• Demonstrate proper base metal, beads and fillet welds qualification procedures per requirements set by the AWS.
• Interpret welding symbols on a variety of layouts and working drawings.

Required courses for the certificate:
WLD 20 Beginning Welding (P) 4
WLD 21 Intermediate Welding (P) 4
WLD 152 Shop Practices for Intermediate Welders (P) 1

Certificate in Welding Technology Level II 14 Units

Program Code: WELDINGLEVELII.CC
Type: Career
GE: None

About the Program
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 & FCAW Equipment and Filler Metals, GMAW & 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 Technology Level I.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:
• Setup and safely operate welding equipment.
• Demonstrate proper use of the OAW and SMAW processes in all positions.
• Demonstrate proper base metal, beads and fillet welds qualification procedures per requirements set by the AWS.
• Interpret welding symbols on a variety of layouts and working drawings.

Required courses for the certificate:
WLD 22 Oxyacetylene Welding and Flame Cutting (P/C) 2
WLD 24 Shielded Metal Arc Welding (Stick Electrode) (P/C) 8
WLD 26 Symbol Reading, Blue Print Interpretation and Computations (P/C) 3
WLD 154 Shop Practices for Welders I (P/C) 1

Butte College 2018-2019 Catalog 165
Certificate in Welding Technology Level III

Program Code: WELDINGLEVELIII.CC
Type: Career
GE: None

About the Program
This program enhances the abilities of the students preparing for a career in welding technology by giving them: SMAW-Open-Root Pipe Welds, GMAW-Pipe, FCAW-Pipe, GTAW-Carbon Steel Pipe, GTAW-Low Alloy and Stainless Steel Pipe, SMAW-Stainless Steel Plate and Pipe 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. This certificate will be earned by the student through the completion of the second semester of welding course work for the Certificate of Achievement in Welding Technology.

Admission to the Program
Completion of Certificate in Welding Technology Level II.

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Setup and safely operate welding equipment.
• Weld pipe and tube in 2G, 5G and 6G position using all the following processes: SMAW, GMAW, GTAW, and FCAW.
• Apply qualification procedures in several codes to meet the required standard for entry-level employment.

Required courses for the certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD 28</td>
<td>Mig and Tig Arc Welding</td>
<td>3</td>
</tr>
<tr>
<td>WLD 30</td>
<td>Heavy Plate Welding</td>
<td>3</td>
</tr>
<tr>
<td>WLD 32</td>
<td>Integrated Welding Applications</td>
<td>3</td>
</tr>
<tr>
<td>WLD 34</td>
<td>Pipe and Tube Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLD 36</td>
<td>Welder Qualification</td>
<td>3</td>
</tr>
<tr>
<td>WLD 156</td>
<td>Shop Practices for Welders II</td>
<td>1</td>
</tr>
</tbody>
</table>
Course Descriptions
Butte College Course Descriptions

Course Numbering System
Courses 1-99.................................................................Degree Credit
Courses approved for transfer to the CSU/UC systems and private colleges
and universities. Not all transfer institutions accept all such numbered
courses.

100-199 ....................................................................Degree Credit
Courses approved for the Associate Degree only. Not transferable to four-
year institutions.

200-299 ..................................................................Non-degree Credit
Remedial and developmental courses. These courses do not apply toward
the Associate Degree.

300-399 .....................................................................Noncredit
Courses recommended for adult education. Noncredit, ungraded, and
may not be used for Associate Degree or transfer

Transfer Status
CSU: Transfers to campuses of the California State
University system
UC: Transfers to campuses of the University of California
system
NT: Nontransferable course

Course Identification Numbering System (C-ID)
The Course Identification Numbering System (C-ID) is a
statewide numbering system independent from the course
numbers assigned by local California community colleges.
A C-ID number next to a course signals that participating
California colleges and universities have determined that
courses offered by other California community colleges are
comparable in content and scope to courses offered on
their own campuses, regardless of their unique titles or local
course number. Thus, if a schedule of classes or catalog
lists a course bearing a C-ID number, for example COMM
110, students at that college can be assured that it will be
accepted in lieu of a course bearing the C-ID COMM 110
designation at another community college. In other words,
the C-ID designation can be used to identify comparable
courses at different community colleges.

Prerequisites
Prerequisites for the course are required to be completed
before enrolling in the course. The student is responsible
for ensuring they have completed the prerequisites before
attempting to register for the course to minimize potential
delays in the registration process. Students who are unsure
whether or not they have met the prerequisite (or are unsure
whether or not Butte College is aware that they have met
the prerequisite) must contact the counseling center prior
to registration. Prerequisite courses require a satisfactory
completion (grades of "P," "C" or better).

Corequisites
Some courses require a "corequisite," that is, concurrent
enrollment in an additional specified course or courses. This
means all of the courses need to be taken during the same
term.

Challenges to Prerequisites and Corequisites
Students may challenge a prerequisite or corequisite for
a course if they have the knowledge or ability to succeed
in the course despite not meeting the prerequisite.
Documentation is required. The student will bear the initial
burden of showing that grounds exist for the challenge. The
challenge should be directed to the department which offers
the course. Contact the Assessment Office for a list of chair
contacts (530) 895-2350. Student challenges to their course
eligibilities in reading, English, ESL and math classes that
have been established through assessment testing may also
be pursued through the Counseling Office.

Recommended Prep
Recommended Preparation are courses or skill levels
suggested by the faculty responsible for the course
to optimize the likelihood of success in the course.
Recommended Prep is advisory only and is not required
before enrollment into the course and has no impact on a
student's ability to register for the course.

Reading, Math, and English Placement Levels
Students establish reading, English, and math placement
levels and course eligibilities by their performance on the Ba-
sic Skills Assessment (BSA), combined with information from
their academic history or by satisfactory completion (grades
of “P,” “C” or better) of reading, English and math courses
in college. For other ways to establish placement levels
and course eligibility, please see the Assessment exemp-
tion section of this Catalog. For more information on specific
placement level requirements, please see the information at
the beginning of the Reading, English, ESL, and Mathemat-
ics course descriptions.

Course Families
Course families are groups of active participatory courses
that are related in content. Students are limited to no more
than four attempts (grade or “W”) within each family group.
### Agriculture Business (AB)

**AB 20 - Careers in Agriculture, Environmental Science and Natural Resources**  
1 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU  
17 hours Lecture  
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.

**AB 22 - Agricultural Economics**  
3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU/UC  
51 hours Lecture  
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).

**AB 25 - Computer Applications in Agriculture**  
3 Unit(s)  
Recommended Prep: Reading Level III; English Level III; Math Level II  
Transfer Status: CSU  
34 hours Lecture / 51 hours Lab  
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, telecommunication, 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).

**AB 26 - Introduction to Agriculture Business**  
3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU  
51 hours Lecture  
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).

**AB 50 - Agricultural Accounting**  
3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU  
51 hours Lecture  
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).

**AB 54 - Supervision and Management in Agriculture**  
3 Unit(s)  
Recommended Prep: Reading Level III; English Level III; Math Level II  
Transfer Status: CSU  
51 hours Lecture  
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.

### Accounting (ACCT)

**ACCT 2 - Financial Accounting**  
4 Unit(s)  
Recommended Prep: ACCT 20 or BCIS 85 and Reading Level IV; English Level III; Math Level III or MATH 217 or concurrent enrollment  
Transfer Status: CSU/UC  
68 hours Lecture  
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).

**ACCT 4 - Managerial Accounting**  
4 Unit(s)  
Prerequisite(s): ACCT 2  
Transfer Status: CSU/UC  
68 hours Lecture  
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 the costs 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).

**ACCT 20 - Introduction to Accounting**  
3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II or MATH 217 or concurrent enrollment  
Transfer Status: CSU  
51 hours Lecture  
This course is an introductory accounting course designed for students with little or no prior accounting training. The course covers the entire accounting cycle including analysis of business transactions, journalizing, posting, and preparation of financial statements using a hands-on approach. Provides foundation for further study of accounting principles and recommended prior to enrollment in Financial Accounting (ACCT 2), especially for Accounting Majors.

**ACCT 30 - Accounting Capstone**  
4 Unit(s)  
Prerequisite(s): ACCT 4 (or concurrent enrollment) and ACCT 110 (or concurrent enrollment)  
Transfer Status: CSU  
68 hours Lecture  
The Capstone course is the culmination of the accounting knowledge learned in previous courses (ACCT 20, ACCT 2, ACCT 4, ACCT 100, and ACCT 110) preparing students to enter 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.

**ACCT 97 - Special Problems-ACCT**  
1 - 3 Unit(s)  
Prerequisite(s): Permission of instructor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.
ACCT 99 - Work Experience-ACCT 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

ACCT 100 - QuickBooks Pro-Computerized Accounting 2 Unit(s)
Prerequisite(s): ACCT 2 or ACCT 20
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: NT
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. Typical documents produced consist of purchase orders, checks, invoices, deposit slips, job cost reports, financial statements, bank reconciliations, payroll tax returns and 1099 forms.

ACCT 105 - Income Tax Preparation 4 Unit(s)
Recommended Prep: ACCT 20 or Reading Level IV; English Level III; Math Level II
Transfer Status: NT
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.

ACCT 110 - Accounting for Payroll 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II and, ACCT 2 or ACCT 128 or ACCT 20
Transfer Status: NT
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.

ACCT 128 - Bookkeeping 2 Unit(s)
Transfer Status: NT
This course is an overview of basic bookkeeping methods from a practical 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 concepts of QuickBooks. Emphasis will be on providing answers to questions commonly asked by small business owners.

AET 22 - Natural Resources and Agri-Construction 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level III
Transfer Status: CSU
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.

AET 26 - Basic Surveying 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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.

AET 30 - Tractors and Crawlers 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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).

AET 34 - Farm Machinery 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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.

AET 35 - Heavy Equipment Methods 3 Unit(s)
Co-requisite(s): AET 36
Recommended Prep: AET 30 and Math Level II
Transfer Status: CSU
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.

AET 36 - Heavy Equipment Operation 6 Unit(s)
Co-requisite(s): AET 35
Recommended Prep: AET 26 and AET 30
Transfer Status: CSU
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.

AET 38 - Diesel Engines and Machine Systems 4 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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.

AET 43 - Hydraulic and Pneumatic Systems 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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.
Course Descriptions

Agriculture Science (AGS)

AGS 10 - World Food and Hunger Issues 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
17 hours Lecture / 51 hours Lab
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.

AGS 20 - Plant Science 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
This course is an introduction to plant science including structure, growth processes, propagation, physiology, growth media, biological competitors, and post-harvest factors of food, fiber, and ornamental plants. (C-ID AG-PS 104).

AGS 30 - Ecology of Insect and Disease Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

AGS 40 - Introduction to Animal Science 3 Unit(s)
Recommended Prep: Reading Level III; English Level III; Math Level II
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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.

AGS 45 - Feeds and Feeding 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.

AGS 50 - General Soils 4 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC
51 hours Lecture / 51 hours Lab
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).

AGS 51 - Fertilizers and Plant Nutrition 3 Unit(s)
Recommended Prep: AGS 50
Transfer Status: CSU
51 hours Lecture
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.

AGS 97 - Special Problems-AGS 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
This course will cover reading site plans, interpreting grade stakes, special problems. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

AGS 99 - Work Experience-AGS 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

AGS 104B - Organic Farming Techniques 1 Unit(s)
Transfer Status: N/A
17 hours Lecture
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 Only.

Administration of Justice (AJ)

AJ 1 - Criminology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
51 hours Lecture
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.

AJ 2 - Administration of Justice 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
51 hours Lecture
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).
Course Descriptions

**AJ 3 - Legal Research**
- **2 Unit(s)**
- Recommended Prep: Reading Level III; English Level II
- 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.

**AJ 4 - Criminal Law**
- **3 Unit(s)**
- Recommended Prep: Reading Level IV; English Level III
- Transfer Status: CSU/UC
- 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.

**AJ 6 - Evidence**
- **3 Unit(s)**
- Recommended Prep: Reading Level IV; English Level III
- Transfer Status: 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.

**AJ 7 - Report Writing for Law Enforcement Officers**
- **2 Unit(s)**
- Recommended Prep: Reading Level IV; English Level III
- Transfer Status: CSU
- 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.

**AJ 8 - Criminal Investigation**
- **3 Unit(s)**
- Recommended Prep: Reading Level III; English Level II
- Transfer Status: CSU
- 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.

**AJ 13 - Organized Crime/Gangs**
- **3 Unit(s)**
- Recommended Prep: Reading Level IV; English Level III
- Transfer Status: CSU
- 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.

**AJ 97 - Special Problems-AJ**
- **1 - 3 Unit(s)**
- Prerequisite(s): Permission of instructor
- Transfer Status: CSU
- 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 eleventh week of instruction. 51-153 hours Independent Study. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

**AJ 99 - Work Experience-AJ**
- **1 - 8 Unit(s)**
- Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employer supervisor
- Transfer Status: CSU
- 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

**Law Enforcement Academy (AJLE)**

**AJLE 1 - Crisis Intervention Training**
- **2 Unit(s)**
- Transfer Status: CSU
- 36 hours Lecture / 4 hours Lab
- 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. Pass/No Pass Only.

**AJLE 100 - Law Enforcement Academy Physical Training**
- **2 Unit(s)**
- Co-requisite(s): AJLE 130, AJLE 140 or AJLE 141
- Transfer Status: NT
- 11 hours Lecture / 73 hours Lab
- 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.
AJLE 130 - Law Enforcement Academy; Basic/State Parks Emphasis 43 Unit(s)
Prerequisite(s): Must be approved, accepted and employed as a State Park Peace Officer Cadet (Ranger or Lifeguard) for the California Department of Parks and Recreation or as a peace officer trainee by a California law enforcement agency; OR must have a high school diploma from an accredited high school, or a GED certificate; AND must pass Peace Officer Standards and Training Entry Level Law Enforcement Test Battery (PELLET-B) exam with a score of 42 or higher; AND must pass Law Enforcement Academy Physical Training Test, a 1.5 mile run which must be completed in 15 minutes or less, and no more than 3 months prior to the first day of the academy; AND must complete Butte College Law Enforcement Academy orientation; AND must possess a valid unrestricted driver's license with no current or recent suspensions; AND must provide a Department of Justice clearance within 90 days prior to the start of the academy which confirms the applicant has no felony or misdemeanor convictions which would prohibit possession of a firearm; AND must provide proof of completion of a medical suitability examination.
Co-requisite(s): AJLE 100, AJLE 131, AJLE 132, AJLE 133
Transfer Status: NT
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 students to possess short barreled rifles and shotguns as described in California Penal Code 17090, 17170, 1722, Division 9, Chapter 1.5 of the California Code of Regulations; and the requirements of Title 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. Graded Only.
AJLE 131 - Basic Interpretation Learning System (BILS); State Parks Emphasis 4.5 Unit(s)
Transfer Status: NT
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. Graded Only.
AJLE 132 - Emergency Medical Responder; State Parks Emphasis 3.5 Unit(s)
Transfer Status: NT
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. Graded Only.
AJLE 133 - Patrol Rifle 0.5 Unit(s)
Prerequisite(s): Must be able to provide proof of eligibility to legally possess long and short barreled rifles and shotguns as described in California Penal Code 17090, 17170, 17180 and 17190.
Transfer Status: NT
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 cover qualifications 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 Only.
AJLE 140 - Law Enforcement Academy 34.5 Unit(s)
Prerequisite(s): (See Catalog for Program Admission Criteria)
Co-requisite(s): AJLE 100
Transfer Status: NT
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 in 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.
AJLE 141 - Law Enforcement Academy; Fish and Wildlife Emphasis 48 Unit(s)
Prerequisite(s): Must be approved, accepted and employed as a Warden Cadet for the California Department of Fish and Wildlife or as a peace officer trainee by a California law enforcement agency; OR Must have 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 15 minutes or 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; AND must provide proof of completion of a medical suitability examination.
Co-requisite(s): AJLE 100
Transfer Status: NT
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. Graded Only.
AJLE 151A - PC 832 Arrest Module 2 Unit(s)
Transfer Status: NT
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 Only.
AJLE 151B - PC 832 Firearms Module 0.75 Unit(s)
Transfer Status: NT
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 Only.
**Course Descriptions**

**Allied Health (ALH)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Credits</th>
<th>Transfer Status</th>
<th>Recommended Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALH 104 - Medical Terminology</td>
<td>Medical Terminology</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU/UC</td>
<td>Reading Level IV; English Level III; Math Level II</td>
</tr>
<tr>
<td>ALH 2 - Basic Emergency Response &amp; Health Careers</td>
<td>Basic Emergency Response &amp; Health Careers</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU</td>
<td>Reading Level IV; English Level IV; Math Level III</td>
</tr>
<tr>
<td>ALH 3 - Introduction to Public Health</td>
<td>Introduction to Public Health</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU</td>
<td>Reading Level IV; English Level III; Math Level III</td>
</tr>
<tr>
<td>ALH 6 - The Critical Six Soft Skills in the Professional Healthcare Environment</td>
<td>Critical Six Soft Skills in the Professional Healthcare Environment</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU</td>
<td>Reading Level IV; English Level IV; Math Level III</td>
</tr>
<tr>
<td>ALH 99 - Work Experience-ALH</td>
<td>Work Experience-ALH</td>
<td>1 - 8 Unit(s)</td>
<td></td>
<td>CSU</td>
<td>Permission of Cooperative Work Experience Education instructor and employment supervisor</td>
</tr>
</tbody>
</table>

**Anthropology (ANTH)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Credits</th>
<th>Transfer Status</th>
<th>Recommended Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 2 - Physical Anthropology</td>
<td>Physical Anthropology</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU/UC</td>
<td>Reading Level IV; English Level IV; Math Level III</td>
</tr>
<tr>
<td>ANTH 2H - Honors Physical Anthropology</td>
<td>Honors Physical Anthropology</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU/UC</td>
<td>Reading Level IV; English Level IV; Math Level III</td>
</tr>
<tr>
<td>ANTH 4 - Cultural Anthropology</td>
<td>Cultural Anthropology</td>
<td>3 Unit(s)</td>
<td></td>
<td>CSU/UC</td>
<td>Reading Level IV; English Level IV</td>
</tr>
</tbody>
</table>

**Becoming a public safety dispatcher means choosing dispatching not only as a career, but as an ethical 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 Only.**
ANTH 4H - Honors Cultural Anthropology  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
This is an Honors level introductory cultural anthropology course. Emphasis is placed on the importance of recognizing and understanding culture as a dynamic and adaptive force underlying a significant degree of human behavior and thinking. As an Honors course primary ethnographic sources (descriptions of distinctive human communities) and classic works summarizing culture theory will be used. Major thematic units of study include definitional and theoretical issues pertaining to culture, ethnographic method, linguistic anthropology, culture/personality, subsistence systems, social organization, political organization, economics, beliefs, culture contact, and applied anthropology. This course emphasizes culture process and cross-cultural comparisons as seen through the lens of cultural anthropology. Graded Only.

ANTH 13 - Magic, Witchcraft and Religion  3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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 ethnomethodology) 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.

ANTH 14 - Language and Culture  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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.

ANTH 16 - Archaeology and Ancient Societies  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
This course is an introduction to the study of concepts, theories, data and models of archaeological anthropology 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).

ANTH 17 - Introduction to Linguistics  3 Unit(s)
Recommended Prep: Reading Level V; English Level V
Transfer Status: CSU/UC  51 hours Lecture
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/compotive 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.

ANTH 18 - World Cultures  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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.

ANTH 32 - Native Americans  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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.

ANTH 33 - Ancient Mesoamerica  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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.

ANTH 34 - Native Americans Today  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
This course is a survey of contemporary issues associated with Native American culture process. The course will focus on economic, political, health, and identity 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.

ANTH 95 - Special Studies-ANTH  1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.
Art (ART)

Course Descriptions

Visual Art Fundamentals : ART 7, 9
Printmaking : ART 22, 23
Drawing : ART 8, 11, 14, 15, 16

ART 1 - Art Appreciation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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).

ART 2 - Art History Survey I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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).

ART 2H - Honors Art History Survey I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
This course 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). Graded Only.

ART 3 - Asian Art History Survey 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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).

ART 4 - Art History Survey II 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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).

ART 4H - Honors Art History Survey II 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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). Graded Only.

ART 5 - Survey of Modern Art 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
This course provides an overview of art and architecture from the Western modern period of the 19th and 20th centuries. (C-ID ARTH 150).

ART 6 - African, Oceanic, and Native American Art History Survey 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
This course is a survey of visual culture within select regions in Africa, Oceania, and indigenous North America. (C-ID ARTH 140).

ART 7 - 2-D Foundations 3 Unit(s)
Transfer Status: CSU/UC
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).

ART 8 - Basic Drawing 3 Unit(s)
Transfer Status: CSU/UC
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.

ART 9 - 3-D Foundation 3 Unit(s)
Transfer Status: CSU/UC
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).

ART 10 - Intermediate Drawing 3 Unit(s)
Prerequisite(s): ART 8
Transfer Status: CSU/UC
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).

ART 11 - Basic Figure Drawing 3 Unit(s)
Prerequisite(s): ART 8
Transfer Status: CSU/UC
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).

ART 12 - Intermediate Figure Drawing 3 Unit(s)
Prerequisite(s): ART 14
Transfer Status: CSU/UC
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.

ART 13 - Advanced Figure Drawing 3 Unit(s)
Prerequisite(s): ART 15
Transfer Status: CSU/UC
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.
ART 17 - Beginning Painting 3 Unit(s)
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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).

ART 18 - Intermediate Painting 3 Unit(s)
Prerequisite(s): ART 17
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 19 - Advanced Painting 3 Unit(s)
Prerequisite(s): ART 18
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 22 - Screen Printing 3 Unit(s)
Transfer Status: CSU/UC 34 hours Lecture / 51 hours Lab
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.

ART 23 - Introduction to Printmaking 3 Unit(s)
Recommended Prep: ART 8
Transfer Status: CSU/UC 34 hours Lecture / 51 hours Lab
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).

ART 31 - Graphic Design I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.

ART 32 - Creative Typography 3 Unit(s)
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.

ART 34 - Graphic Design II 3 Unit(s)
Prerequisite(s): ART 31
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.

ART 35 - Illustration Art I 3 Unit(s)
Recommended Prep: ART 31
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.

ART 36 - Illustration Art II 3 Unit(s)
Prerequisite(s): ART 35
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.

ART 39 - Business of Graphic Design 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU 51 hours Lecture
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.

ART 50 - Beginning Ceramics 3 Unit(s)
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 52 - Intermediate Ceramics 3 Unit(s)
Prerequisite(s): ART 50
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 54 - Ceramics-Low Fire 3 Unit(s)
Prerequisite(s): ART 50
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 56 - Advanced Ceramics 3 Unit(s)
Prerequisite(s): ART 52
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 60 - Beginning Sculpture 3 Unit(s)
Transfer Status: CSU/UC 25.5 hours Lecture / 76.5 hours Lab
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.

ART 63 - Intermediate Sculpture, Clay 3 Unit(s)
Prerequisite(s): ART 60
Transfer Status: CSU 25.5 hours Lecture / 76.5 hours Lab
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.
### American Sign Language (ASL)

**ASL 1 - American Sign Language I** 4 Unit(s)
Transfer Status: CSU/UC 68 hours Lecture
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.

**ASL 2 - American Sign Language II** 4 Unit(s)
Prerequisite(s): ASL 1 Transfer Status: CSU/UC 68 hours Lecture
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.

**ASL 3 - American Sign Language III** 4 Unit(s)
Prerequisite(s): ASL 2 Transfer Status: CSU/UC 68 hours Lecture
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.

### Automotive Technology (AUT)

**AUT 1 - Introduction to Automotive Technology** 4 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II Transfer Status: CSU 68 hours Lecture
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.

**AUT 2 - Honda Express Service** 2 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level I Transfer Status: CSU 17 hours Lecture / 51 hours Lab
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. Pass/No Pass Only.

**AUT 6 - Automotive Electrical Systems Lecture** 2 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment) Co-requisite(s): AUT 7 Recommended Prep: AUT 1 Transfer Status: CSU 35 hours Lecture
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.

**AUT 7 - Automotive Electrical Systems Lab** 2 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment) Co-requisite(s): AUT 6 Recommended Prep: AUT 1 Transfer Status: CSU 105 hours Lab
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.

**AUT 8 - Auto Engines Lecture** 2.5 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment) Co-requisite(s): AUT 9 Recommended Prep: AUT 1 Transfer Status: CSU 45 hours Lecture
This course covers the operation, design, construction, fault diagnosis, service and repair procedures of the internal combustion engine.
AUT 9 - Automotive Engines Lab 2.5 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 8
Recommended Prep: AUT 1
Transfer Status: CSU
135 hours Lab
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.

AUT 20 - Automotive Brakes/Suspension and Steering Systems Lecture 3 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 20
Recommended Prep: AUT 1
Transfer Status: CSU
50 hours Lecture
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.

AUT 21 - Automotive Brakes/Suspension and Steering Systems Lab 3 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 20
Recommended Prep: AUT 1
Transfer Status: CSU
150 hours Lab
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.

AUT 22 - Automotive Heating and Air Conditioning Lecture 2 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 23
Recommended Prep: AUT 1
Transfer Status: CSU
40 hours Lecture
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.

AUT 23 - Automotive Heating and Air Conditioning Lab 2 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 22
Recommended Prep: AUT 1
Transfer Status: CSU
120 hours Lab
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.

AUT 30 - Engine Performance and Emission Controls Lecture 5 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 31
Recommended Prep: AUT 1
Transfer Status: CSU
85 hours Lecture
This course introduces the theory, operation, and repair of the ignition, fuel, engine management, and emission control systems. This course is designed to help students prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing exams.

AUT 31 - Engine Performance and Emission Controls Lab 5 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 30
Recommended Prep: AUT 1
Transfer Status: CSU
255 hours Lab
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 vehicles. The student will also perform various emission control inspections (Smog Check) and perform diagnosis and repair of Smog Check failures, as per California Bureau of Automotive Repair (BAR) standards. This instruction will help prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing Exams.

AUT 41 - Specialized Automotive Electronics and Microcomputers 5.5 Unit(s)
Prerequisite(s): AUT 41
Recommended Prep: AUT 1
Transfer Status: CSU
88 hours Lecture / 76.5 hours Lab
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.

AUT 52 - Automatic Transmissions/Transaxles Lecture 3 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 53
Recommended Prep: AUT 1
Transfer Status: CSU
50 hours Lecture
This course provides theory and principles of operation in automatic transmissions/transaxles, to include diagnostic, testing and repair of each system.

AUT 53 - Automatic Transmissions/Transaxles Lab 3 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 52
Recommended Prep: AUT 1
Transfer Status: CSU
150 hours Lab
This course enhances skills in diagnosing, testing, and repair procedures of automatic transmissions/transaxles, drive lines and axles. Shop practice includes diagnostics, testing, and repairing of each system.

AUT 56 - Manual Transmissions/Drivetrains Lecture 2 Unit(s)
Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 57
Recommended Prep: AUT 1
Transfer Status: CSU
35 hours Lecture
This course provides theory and principles of operation of automotive manual transmissions/transaxles, drive lines and axles. Shop practice includes diagnostics, testing, and repairing of each system.
AUT 114 - Auto Body Repair 3 Unit(s)
Prerequisite(s): AUT 56
Transfer Status: CSU
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 diagnosis, testing, and repairing of each system.

AUT 60 - Hybrid and Alternative Fuel Technologies 4 Unit(s)
Recommended Prep: AUT 41
Transfer Status: CSU
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.

AUT 71 - Introduction to Clean Diesel Technology 6 Unit(s)
Co-requisite(s): AUT 41
Transfer Status: CSU
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.

AUT 97 - Special Problems-AUT 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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 class. Students who do not pass the course may be repeated to a maximum of 3.00 units.

AUT 99 - Work Experience-AUT 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

AUT 114 - Auto Body Repair 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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.

AUT 115 - Automotive Painting 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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.

AUT 200 - Chassis, Engines, Electrical, Auto Skills Practice 0.5 - 1 Unit(s)
Co-requisite(s): Must be enrolled in a minimum of 2 units of AUT courses (excluding AUT 1, AUT 41)
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

AUT 201 - Emissions and Transmissions Auto Skills Practice 0.5 - 1 Unit(s)
Co-requisite(s): Must be enrolled in a minimum of 2 units of AUT courses (excluding AUT 1, AUT 41)
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

Business Computer Information Systems (BCIS)

BCIS 12 - Business Writing Skills 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
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.

BCIS 13 - Business Communication 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
This course applies the principles of creating ethical and effective business communication to letters, memos, emails, and written and oral reports. The course emphasizes planning, organizing, composing, and revising business documents utilizing appropriate software to prepare and deliver written documents and professional-level oral reports.

BCIS 15 - Web-based Tools for Business 3 Unit(s)
Recommended Prep: BCIS 18 and ability to type 35 WPM.
Transfer Status: CSU
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. Tools such as OneDrive, Skype and Twitter will be used.
BCIS 18 - Introduction to Business Technology 3 Unit(s)  
Recommended Prep: BCIS 84, ability to key 25 wpm, Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU  
42.5 hours Lecture / 25.5 hours Lab  
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.

BCIS 20 - Beginning Keyboarding 2 Unit(s)  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
25.5 hours Lecture / 25.5 hours Lab  
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.

BCIS 24 - Keyboarding Speed/Accuracy Development 1 Unit(s)  
Prerequisite(s): BCIS 20  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
51 hours Lab  
This course is designed to help students reach an employable typing speed by improving their keyboarding skills. 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.

BCIS 28 - Microsoft Word for Windows 3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
34 hours Lecture / 51 hours Lab  
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 and formatting documents; creating and modifying headers and footers; inserting objects such as clipart and images; creating and modifying tables; merging documents to create letters, envelopes and labels; creating charts; proofing documents; and automating formatting.

BCIS 31 - Business Presentation Software 1 Unit(s)  
Recommended Prep: Reading Level IV; English Level III, and ability to key 25 wpm  
Transfer Status: CSU  
12.75 hours Lecture / 12.75 hours Lab  
In this course, students will examine the strategies applied when planning, preparing, and creating business presentations and use features of business presentation software to design and deliver high-quality presentations. PowerPoint is the primary presentation software to be used in this course; however, students will be introduced to other presentation software being used in the workplace.

BCIS 33 - Skills for the Working Professional 1 Unit(s)  
Transfer Status: CSU  
17 hours Lecture  
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.

BCIS 46 - Business Math Calculations 2 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level II  
Transfer Status: CSU  
34 hours Lecture / 17 hours Lab  
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.

BCIS 47 - Desktop Publishing 2 Unit(s)  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
25.5 hours Lecture / 25.5 hours Lab  
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.

BCIS 50 - Office Administration 3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
51 hours Lecture  
This course introduces students to the skills, traits, and attitudes of the successful administrative professional. Discussion topics include time and stress management, personal appearance, communication, records handling, mail, and financial management. In addition, students will complete projects in the areas of travel, minute taking, meeting planning, and effective job search techniques.

BCIS 51 - Records Management 3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III  
Transfer Status: CSU  
51 hours Lecture  
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.

BCIS 59 - Beginning Legal Office Procedures 3 Unit(s)  
Recommended Prep: Reading Level IV; English Level III and Keyboarding Skill of 35 wpm  
Transfer Status: CSU  
51 hours Lecture  
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.

BCIS 60 - Advanced Legal Office Procedures 3 Unit(s)  
Recommended Prep: BCIS 59 or Knowledge of legal terminology and legal forms  
Transfer Status: CSU  
51 hours Lecture  
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.

BCIS 70K - Adobe Acrobat Professional 1 Unit(s)  
Recommended Prep: BCIS 28  
Transfer Status: CSU  
12.75 hours Lecture / 12.75 hours Lab  
This course introduces students to Adobe Acrobat software. The course includes an overview of all Adobe Acrobat products and their functionality. It offers instruction and application of Portable Document Format (PDF) creation from multiple sources, modifying existing PDF documents, and creating forms. Students will need access to Adobe Acrobat to successfully complete this course.

BCIS 70L - Introduction to Microsoft Outlook 1 Unit(s)  
Recommended Prep: BCIS 20 or ability to key 25 wpm  
Transfer Status: CSU  
12.75 hours Lecture / 12.75 hours Lab  
In this course, students will be introduced to Microsoft Office Outlook and its use as a Personal Information Management (PIM) business tool to organize and manage e-mail messages, appointments, meetings, contacts, and tasks.

BCIS 81 - Microsoft Excel for Business 1 Unit(s)  
Recommended Prep: Reading Level IV; English Level III; Math Level I  
Transfer Status: CSU  
12.75 hours Lecture / 12.75 hours Lab  
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.
Course Descriptions

BCIS 84 - Basics of Computers 1 Unit(s)
Recommended Prep: Ability to key 20 wpm
Transfer Status: CSU
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.

BCIS 85 - Microsoft Excel for Windows 3 Unit(s)
Prerequisite(s): BCIS 18
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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 financial formulas and functions; creating and modifying charts; using visual enhancements; working with templates; working with tables and data tools; and creating pivot charts.

BCIS 86 - Microsoft Access for Windows 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
This course covers a recent version of Microsoft Access for Windows for students who have an understanding of computers and desire comprehensive knowledge of relational databases. Course content includes designing, creating and maintaining databases; importing and exporting data; modifying and filtering data; creating and using custom forms and reports; and running queries.

BCIS 94 - Special Problems-BCIS 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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.

bcis 97 - Work Experience-BCIS 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

BCIS 99 - Work Experience-BCIS 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Biological Sciences (BIOL)

BIOL 1 - Introduction to Biology 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
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.

BIOL 2 - Introduction to Human Biology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
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.

BIOL 5 - Ecology and Field Biology 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
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.

BIOL 7 - Sustaining Life on Earth 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
This course will introduce students to the structure of the earth's ecosystem 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. Graded Only.

BIOL 9 - Current Issues in Biology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
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.

BIOL 9H - Honors Current Issues in Biology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
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. Graded Only.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Transfer Status</th>
<th>Recommended Prep</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BIOL 10 - Survey of Human Systems</strong></td>
<td>4 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level IV; Math Level IV</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 11 - Zoology</strong></td>
<td>5 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level IV</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 12 - Botany</strong></td>
<td>5 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level IV</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 13 - Cell and Molecular Biology</strong></td>
<td>5 Unit(s)</td>
<td>Prerequisite(s): CHEM 1; BIOL 11 or BIOL 12 and Reading Level IV; English Level IV</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 15 - Introduction to Microbiology</strong></td>
<td>5 Unit(s)</td>
<td>Prerequisite(s): CHEM 110 or, CHEM 1 or, CHEM 51 and one year high school biology, or, BIOL 1 or, BIOL 2 or, BIOL 20 or, BIOL 21</td>
<td>Recommended Prep: Reading Level IV; English Level IV; Math Level IV</td>
<td>51 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 20 - Human Anatomy</strong></td>
<td>4 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level IV; Math Level IV</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 21 - Human Physiology</strong></td>
<td>4 Unit(s)</td>
<td>Prerequisite(s): BIOL 20 and CHEM 110 or, CHEM 1 or, CHEM 51</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td><strong>BIOL 30 - Anatomical Preparations</strong></td>
<td>1.5 Unit(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Business (BUS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Transfer Status</th>
<th>Recommended Prep</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BUS 8 - Legal Environment of Business</strong></td>
<td>3 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level III; Math Level II</td>
<td>Transfer Status: CSU/UC</td>
<td>51 hours Lecture</td>
<td></td>
</tr>
<tr>
<td><strong>BUS 18 - Database Design</strong></td>
<td>4 Unit(s)</td>
<td>Recommended Prep: Reading Level IV; English Level IV; Math Level III</td>
<td>Transfer Status: CSU</td>
<td>51 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
</tbody>
</table>
BUS 20 - Introduction to Business 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/CUC
51 hours Lecture
This course is survey of business, providing a multidisciplinary ex-
amination of how culture, society, economic systems, legal, interna-
tional, 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 con-
text (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; en-
trepreneurship; legal, accounting, financial practices; the stock and
securities market; and therefore affect a business' ability to achieve
its organizational goals. (C-ID BUS 110).

BUS 25 - Small Business Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
This course covers the practical considerations, challenges and re-
wards associated with starting and operating a small business. The
course explores how to identify small business opportunities; the
factors influencing entrepreneurial success; and financing, market-
ing, managing, record-keeping and computer applications to support
small business operations. Each student will identify a business op-
opportunity, then create a detailed business plan.

BUS 29 - Supervising Employees 1 Unit(s)
Transfer Status: CSU
17 hours Lecture
This course helps students (both supervisors and prospective su-
pervisors) develop insights about how to enhance performance
in today's changing workplace. Topics pertain to decision-making,
communication, motivation, organizational change and innovation.
The focus is on self-assessment, analyzing and understanding work
situations, and developing personal supervisory skills and strategi-
es.

BUS 35 - Management and Human Relations 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
This course examines the role effective human relations plays in
enhancing today's diverse, multi-cultural work environment and fa-
cilitating individual and organizational success. This course empha-
sizes concepts and assessment relating to individual factors (such
as personality, attitudes, values, learning style) and to how employ-
ees throughout organizations interact with one another (such as
communication, leadership styles, conflict resolution approaches).
The course enables both managers/supervisors and those not cur-
rently in leadership roles to better understand work dynamics and
devises appropriate strategies to enhance human relations and or-
ganizational and career success.

BUS 40 - Organization Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
This course examines managerial concepts, approaches and tools
relevant for organizations operating in today's changing, diverse,
technology-infused and globally-competitive business environment.
Within an ethics and contingency management framework, it focus-
es on three of the fundamental management functions: planning, or-
ganizing and controlling. It provides perspectives and guidelines and
develops competencies to assist managers in understanding and
addressing organizational problems.

BUS 44 - Human Resource Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU
51 hours Lecture
This course highlights complex and important issues in current
human resources practice, and demonstrates how managers can
effectively manage human resources. The course explores Hu-
man Resource Management (HRM) issues for today's companies:
changing government and legal requirements; new information sys-
tems; downsizing; demands for a more skilled workforce; increasing
attention to and appreciation for diversity; the global workforce and
intensiﬁng global competition; and changing cultural and economic
factors.

BUS 50 - Sales in Today's World 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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, ad-
vantages and beneﬁts; overcome buyers' objections; and close the
sale. Students will participate (as buyers, sellers and critical ob-
servers) in interactive sales presentations.

BUS 60 - Advertising and Copywriting 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
This course introduces students to the function of advertising in
relation to business and society. It looks at advertising as a social
and economic institution. Emphasis is placed on identifying the best
strategy and advertising medium to achieve the business objective.
Students will plan an advertising campaign including deﬁning a tar-
gain audience, research markets, select the most effective advertising
media outlets, estimate the campaign budget and draft advertising copy. The advertising campaign builds an
understanding of traditional and digital advertising, writing radio or
podcast copy, and storyboarding for television or digital advertising.

BUS 62 - Money & Happiness: Cultural, Psychological
and Economic Factors 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
51 hours Lecture
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 rela-
tionships, money personalities, consumerism, debt, healthcare, in-
vesting, retirement, long-term care, disability, death, and taxes.

BUS 64 - Principles of Marketing 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
This course explores the nature, function and importance of market-
ing. It focuses on conducting opportunity analysis, assessing con-
sumer behavior, engaging in marketing research, and target mar-
teting as the basis for devising marketing objectives and plans.
Students will develop and assess marketing strategies to meet the
needs of target markets (both consumer and business-to-business
(B2B)), using the "4 Ps": product, promotion, price and place (dis-
tribution). The emphasis is on ethical, needs-satisfaction, relation-
ship marketing in today's global, technology-infused, competitive en-
vironment.

BUS 66 - Retail Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.
**GENERAL EDUCATION REQUIREMENTS**

- **Child Development/Family Relations (CDF)**

  **CDF 12 - Child, Family, and Community**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU/UC
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU/UC
  This course examines the socialization of the developing child in today's society, emphasizing the important influences of family, community, school, and historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. (C-ID CDEV 110).

  **CDF 14 - Child Growth and Development**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU/UC
  51 hours Lecture
  This course examines the major physical, psychosocial and cognitive/language 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. 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).

  **CDF 18 - Children with Special Needs**
  3 Unit(s)
  Recommended Prep: CDF 12 and CDF 14
  Transfer Status: CSU
  51 hours Lecture
  This course introduces the variations in development of children with special needs birth through eight, and the resulting impact on families. It also includes an overview of the historical and societal influences on the laws, identification and referral process relating to children with special needs. Observations in public or private children's centers, schools, and agencies are required.

  **CDF 20 - Curriculum for Children with Special Needs**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU
  51 hours Lecture
  This course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focus is on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Topics include the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence.

  **CDF 30 - Adult Supervision and Mentoring in Early Care and Education**
  2 Unit(s)
  Recommended Prep: CDF 84 and CDF 85 and Reading Level IV; English Level IV; Math Level I
  Transfer Status: CSU
  34 hours Lecture
  This course examines methods and principles of supervising student teachers, volunteers, 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.

  **CDF 40 - Observation and Assessment**
  3 Unit(s)
  Prerequisite(s): CDF 14
  Transfer Status: CSU
  Recommended Prep: Reading Level IV; English Level IV
  42.5 hours Lecture / 25.5 hours Lab
  This course focuses on the appropriate use of observation and assessment strategies to document development, growth and play while learning to join with families and professionals in promoting children's success. Multiple observational formats and assessment tools and methods are explored. This course includes 25.5 hours of lab observing children in an approved (Butte College or Mentor) early childhood program. (C-ID ECE 200).

  **CDF 44 - Positive Child Guidance**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU
  51 hours Lecture
  This course teaches students guidance methods and techniques that are effective in the home, classroom and other group settings. Students will learn positive guidance techniques to promote socially responsible behavior and healthy emotional development in children from birth to eight years of age.

  **CDF 48 - Principles and Practices of Teaching Young Children**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU
  51 hours Lecture
  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).

  **CDF 56 - Prenatal, Infant, and Toddler Development**
  3 Unit(s)
  Recommended Prep: Reading Level IV; English Level IV
  Transfer Status: CSU
  51 hours Lecture
  This course is a study of infants and toddlers from prenatal to age three including physical, cognitive, language, social and emotional growth and development. Throughout the class, students will apply theoretical frameworks to interpret behaviors and interactions between heredity and environment while emphasizing the role of family and relationships in development.
CDF 57 - Teaching in a Diverse Society 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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).

CDF 59 - Anti-Bias Curriculum in Early Childhood Programs 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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.

CDF 62 - Creative Art Activities for Children 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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.

CDF 63 - Introduction to Early Childhood Education Curriculum 3 Unit(s)
Prerequisite(s): CDF 14
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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).

CDF 65 - Infant/Toddler Curriculum 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
This course examines the care and education of infants and toddlers in group settings. Examines essential policies, principles, and practices that lead to quality care and developmentally appropriate curriculum for children birth to thirty six months.

CDF 67 - Foundations of Early Childhood Education 3 Unit(s)
Prerequisite(s): CDF 14
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
This course introduces the fundamental concepts into everyday planning and program development for children from birth to age three years. Topics include family growth and development, sensitivity to development and the child-families-school interface. Emphasis will be placed on knowledge and skills related to planning, implementing, evaluating and reinforcing 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 an approved early childhood (Butte College or Mentor) program. (C-ID ECE 210).

CDF 78 - Early Childhood Education Practicum 3 Unit(s)
Prerequisite(s): CDF 40, CDF 63
Recommended Prep: CDF 12 and CDF 44 and CDF 57
Transfer Status: CSU
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 an approved early childhood (Butte College or Mentor) program. (C-ID ECE 210).

CDF 80 - Health, Safety and Nutrition 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV; Math Level I
Transfer Status: CSU
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).

CDF 84 - Administration I: Programs in Early Childhood Education 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV; Math Level III CDF 46 & 80
Transfer Status: CSU
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.

CDF 85 - Admin II: Personnel & Leadership in Early Childhood Education 3 Unit(s)
Recommended Prep: CDF 84 & Reading Level V; English Level IV; Math Level III
Transfer Status: CSU
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.

CDF 89 - Parenting in Today's Society 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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.

CDF 91 - Parenting in Today's Society 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
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.
CDF 97 - Special Problems-CDF 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

CDF 99 - Work Experience-CDF 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

CDF 131 - ECE Mentor Teacher Seminar 0.5 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: NT
This course provides an opportunity for Early Childhood Mentor Teachers to discuss 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 Only.

CDF 133 - Director Mentor Seminar 0.5 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: NT
This course will provide directors, site supervisors, and other administrators of early childhood programs the opportunity to explore issues related to professional duties, including 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 encourages directors to continue their professional development and skills. Pass/No Pass Only.

Chemistry (CHEM)

CHEM 1 - General Chemistry I 5 Unit(s)
Prerequisite(s): CHEM 110 or one year of high school chemistry.
Transfer Status: CSU/UC
This course introduces students to the basic principles of chemistry as a quantitative emphasis. Topics include atomic theory, chemical bonding, molecular geometry, chemical reactions, stoichiometry, gases, thermodynamics, 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.

CHEM 2 - General Chemistry II 5 Unit(s)
Prerequisite(s): CHEM 1
Transfer Status: CSU/UC
This course is a continuation of CHEM 1, General Chemistry I. Topics include chemical kinetics and equilibria, acid-base and solubility equilibria, thermodynamics, oxidation-reduction, electrochemistry, coordination compounds, nuclear chemistry, introduction to organic chemistry and qualitative analysis. This course provides 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.

CHEM 21 - Organic Chemistry I 5 Unit(s)
Prerequisite(s): CHEM 2
Transfer Status: CSU/UC
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, amines, aldehydes, and aldehydes systems are studied. Infrared spectroscopy and Nuclear Magnetic Resonance (NMR) spectroscopy are discussed in detail. (C-ID CHEM 150 & 160S). Graded Only.

CHEM 22 - Organic Chemistry II 5 Unit(s)
Prerequisite(s): CHEM 21
Transfer Status: CSU/UC
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.

CHEM 51 - Elementary Inorganic Chemistry 5 Unit(s)
Prerequisite(s): MATH 10B or MATH 116
Transfer Status: CSU/UC
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.

CHEM 52 - Elementary Organic and Biochemistry 4 Unit(s)
Prerequisite(s): CHEM 51
Transfer Status: CSU/UC
This course provides an introduction to the chemistry of carbon compounds including organic nomenclature and functional group chemistry. Biochemistry topics include optical isomerism, carbohydrates, lipids, proteins and nucleic acids as they apply to living systems. Recommended for allied health and applied science majors. (C-ID CHEM 102). Graded Only.
**Career Life Planning (CLP)**

**CLP 30 - Career Life Planning**

- 3 Unit(s)
- Prerequisite(s): Permission of instructor
- Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

**CHEM 110 - Introductory Chemistry**

- 4 Unit(s)
- Recommended Prep: Reading Level IV; English Level IV; Math Level IV
- Transfer Status: NT
- 51 hours Lecture / 51 hours Lab
- 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.

**Chinese (CHIN)**

**CHIN 1 - First Semester Chinese**

- 4 Unit(s)
- Recommended Prep: Reading Level III; English Level III
- Transfer Status: CSU/UC
- 68 hours Lecture
- 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.

**CHIN 2 - Second Semester Chinese**

- 4 Unit(s)
- Prerequisite(s): CHIN 1
- Recommended Prep: Reading Level III; English Level III
- Transfer Status: CSU/UC
- 68 hours Lecture
- 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.

**Communication Studies (CMST)**

**CMST 2 - Public Speaking**

- 3 Unit(s)
- Recommended Prep: Reading Level IV; English Level IV
- Transfer Status: NT
- 51 hours Lecture
- 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).

**CMST 2H - Honors Public Speaking**

- 3 Unit(s)
- Recommended Prep: Reading Level IV; English Level IV
- Transfer Status: CSU/UC
- 51 hours Lecture
- 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). Graded Only.

**CMST 4 - Small Group Communication**

- 3 Unit(s)
- Recommended Prep: Reading Level IV; English Level IV
- Transfer Status: CSU/UC
- 51 hours Lecture
- 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).

**CMST 6 - Oral Interpretation**

- 3 Unit(s)
- Recommended Prep: Reading Level IV; English Level IV
- Transfer Status: CSU/UC
- 51 hours Lecture
- 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).
CMST 9 - Intercultural Communication 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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).

CMST 10 - Interpersonal Communication 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 nonverbal messages in the initiation, development, maintenance, and termination of interpersonal relationships. (C-ID COMM 100).

CMST 12 - Forensics (Speech and Debate) 3 Unit(s)
Transfer Status: CSU 25.5 hours Lecture / 76.5 hours Lab
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). Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

CMST 13 - Gender and Communication 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

CMST 14 - Argumentation and Debate 3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU/UC 51 hours Lecture
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).

CMST 95 - Special Studies-CMST 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Course Descriptions

Cosmetology (COS)

COS 100 - Introduction to Cosmetology 5 Unit(s)
Prerequisite(s): High School Diploma or G.E.D.
Transfer Status: NT 30 hours Lecture / 210 hours Lab
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.

COS 101 - Cosmetology I 5 Unit(s)
Prerequisite(s): COS 100 or Permission of Instructor
Transfer Status: NT 30 hours Lecture / 210 hours Lab
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.

COS 102 - Cosmetology II 5 Unit(s)
Prerequisite(s): COS 101 or Permission of Instructor
Transfer Status: NT 30 hours Lecture / 210 hours Lab
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 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.

COS 103 - Cosmetology III 5 Unit(s)
Prerequisite(s): COS 102 or Permission of Instructor
Transfer Status: NT 30 hours Lecture / 210 hours Lab
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.
### Course Descriptions

**COS 104 - Cosmetology IV**  
Prerequisite(s): COS 103 or Permission of Instructor  
Transfer Status: NT  
30 hours Lecture / 210 hours Lab  
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.

**COS 105 - Cosmetology V**  
Prerequisite(s): COS 104 or Permission of Instructor  
Transfer Status: NT  
30 hours Lecture / 210 hours Lab  
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.

**COS 106 - Cosmetology VI**  
Prerequisite(s): COS 105 or Permission of Instructor  
Transfer Status: NT  
30 hours Lecture / 210 hours Lab  
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.

**COS 107 - Cosmetology to Barbing Crossover**  
Prerequisite(s): Students must supply a 1,600 hour completion of Cosmetology Proof of Training Certificate or have a current valid Cosmetology License  
Transfer Status: NT  
30 hours Lecture / 210 hours Lab  
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.

**COS 108 - Manicuring**  
Prerequisite(s): High School Diploma or G.E.D.  
Transfer Status: NT  
55 hours Lecture / 345 hours Lab  
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.

**COS 109 - Esthetician (Skin Care)**  
Prerequisite(s): High School Diploma or G.E.D.  
Transfer Status: NT  
110 hours Lecture / 490 hours Lab  
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.

**COS 110 - Instructor Training**  
Prerequisite(s): High School Diploma or G.E.D.; Must hold a valid Cosmetology License  
Transfer Status: NT  
90 hours Lecture / 630 hours Lab  
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.

**COS 111 - Cosmetology Refresher**  
Prerequisite(s): COS 106 and expired state license or failure to pass state exam  
Transfer Status: NT  
30 hours Lecture / 210 hours Lab  
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, makeup, 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.

### Community Partners in Education (CPE)

**CPE 308 - Functional Academics for Persons with Substantial Disabilities**  
Transfer Status: NT  
200 hours Lab  
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.
CPE 310 - Integration into the Community for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 311 - Horticultural Arts for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 312 - Applied Arts for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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 experience 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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 313 - Fine Arts for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 314 - Performing Arts for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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 arts, 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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 315 - Culinary Arts and Nutrition Skills for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 316 - Health and Wellness for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

CPE 318 - Communication Skills for Persons with Substantial Disabilities  0 Unit(s)
Transfer Status: NT  200 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.
Computer Science (CSCI)

CSCI 2 - Business and Computer Information Systems 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III and 25 wpm keyboarding
Transfer Status: CSU/UC
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).

CSCI 4 - Introduction to Programming Concepts and Methodologies 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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).

CSCI 10 - Computer Architecture and Organization 3 Unit(s)
Prerequisite(s): CSCI 20
Transfer Status: CSU/UC
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).

CSCI 11 - Introduction to Game Design and Development 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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.

CSCI 17 - Computer and Network Security/Security+ 3 Unit(s)
Prerequisite(s): CSCI 49
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
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.

CSCI 19 - Computer Networking Fundamentals 3 Unit(s)
Recommended Prep: CSCI 49 and A+ Certification and Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
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.

CSCI 20 - Programming and Algorithms I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV and CSCI 4
Transfer Status: CSU/UC
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).

CSCI 21 - Programming and Algorithms II 3 Unit(s)
Prerequisite(s): CSCI 20
Transfer Status: CSU/UC
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).

CSCI 22 - Discrete Structures 3 Unit(s)
Prerequisite(s): CSCI 20
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU
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).

CSCI 23 - Systems Analysis and Design 3 Unit(s)
Prerequisite(s): CSCI 2
Transfer Status: CSU
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.

CSCI 25 - Linux 1, Essentials 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
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 and basic configuration, 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.
Course Descriptions

CSCI 31 - Web Development I
Prerequisite(s): CSCI 4 (or concurrent enrollment) or CSCI 20 (or concurrent enrollment) Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is an introduction to web development using HyperText Markup Language Version 5 (HTML5), Cascading Style Sheets Version 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.

CSCI 32 - Web Development II
Prerequisite(s): CSCI 31 Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

CSCI 36 - Programming Project
Prerequisite(s): CSCI 21 Transfer Status: CSU
17 hours Lecture / 51 hours Lab
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.

CSCI 48 - Network Fundamentals and Cisco Level 1
Recommended Prep: CSCI 49 and/or Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
42.5 hours Lecture / 76.5 hours Lab
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 networks. This is the first of two courses designed to prepare students to take the Cisco Certified Entry-level Network Technician (CCENT) exam and the first of three Butte College courses designed to prepare students to take the Cisco Certified Network Associate (CCNA) Routing and Switching certification exam. Course topics will include: CompTIA Network+, non-proprietary networking, network protocols components, configuration, network design, installation, management and security, Cisco routers and routing, switches and packet switched networks, Internet Protocol addressing and converged networking.

CSCI 49 - PCs and Peripherals/A+
Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
42.5 hours Lecture / 76.5 hours Lab
This is an introductory course in computer hardware, operating systems and connectivity. The course prepares students to take the CompTIA A+ exams. The focus of this course is to develop an understanding of personal computing devices, including terminology, safety, assembly, operating system installation, configuration, optimization, security, and industry best practices.

CSCI 53 - Cisco Networks Level 2, Routing & Switching
Prerequisite(s): CSCI 48 Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This is an intermediate level computer networks course covering fundamental elements, terminology and software. It is the second of three courses (CSCI 48, 53, and 56) designed to prepare students to take the Cisco Certified Network Associate (CCNA) exam. Course topics include: router elements, binary math, TCP/IP (Transmission Control Protocol/Internet Protocol), addressing, subnetting, address protocols, media standards, and the design of a Local Area Network (LAN).

CSCI 56 - Cisco Networks Level 3 & 4, Scaling and Connecting
Prerequisite(s): CSCI 48 or CCENT Certification Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

CSCI 65 - Microsoft SQL Database Administration
Prerequisite(s): CSCI 49 Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

CSCI 70 - Installing and Configuring Windows Server 2012
Prerequisite(s): CSCI 49 or CompTIA A+ certification Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is the first in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2012R2 infrastructure. The focus of the course is on the initial implementation and configuration of core services including Active Directory Domain Services (AD DS), networking services, and Microsoft Hyper-V Server 2012R2 configuration. The course prepares students for Microsoft certification exam 70-410, Installing and Configuring Windows Server 2012R2.

CSCI 71 - Administering Windows Server 2012
Prerequisite(s): CSCI 70 or MCSA 70-410 Certification Recommended Prep: Reading Level IV; English Level IV; Math Level III Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is the second in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2012R2 infrastructure. The focus of the course is on the mastery and fine-tuning of core services such as user and group management, network access, and data security. Students will learn to implement, manage, maintain, and provision services and Active Directory infrastructure in a Windows Server 2012R2 enterprise environment. The course prepares students for Microsoft certification exam 70-411, Administering Windows Server 2012R2 exam.
CSCI 72 - Configuring Advanced Windows 2012
Server Services
3 Unit(s)
Prerequisite(s): CSCI 71 or MCSD 70-411 certification
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is the third in a three course series in which students learn the skills and knowledge necessary to implement a Windows Server 2012 infrastructure. The focus of the course is on the mastery of Advanced Windows Server 2012 Services including advanced management and maintenance a Windows Server 2012 infrastructure. The course also covers fault tolerance, certificate services, and identity federation services. The course prepares students for Microsoft certification exam 70-412, Configuring Advanced Windows Server 2012 Services exam.

CSCI 97 - Special Problems-CSCI
1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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.

CSCI 99 - Work Experience-CSCI
1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Counseling (CSL)

CSL 20 - College & Life Success
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
51 hours Lecture
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. 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.

CSL 34 - Group Experience - Strategies for Academic, Personal, Career Success
0.5 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU
8 hours Lecture
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.

CSL 70 - Healthy Transitions
1 Unit(s)
Transfer Status: CSU
17 hours Lecture
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. Pass/No Pass Only.

CSCI 95 - Special Studies-CSL
1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Drafting (DFT)

DFT 2 - Engineering Graphics I
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
This is a computer-based engineering graphics course that introduces students to graphical design and problem solving using free-hand 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.

DFT 4 - Print Reading for Construction and Architecture
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU
51 hours Lecture
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.

DFT 8 - Engineering Graphics II
3 Unit(s)
Prerequisite(s): DFT 2
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

DFT 12 - Beginning AutoCAD Drafting
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
This course introduces students to basic drafting concepts using AutoCAD. This course is designed for students who have never used AutoCAD. This course will cover basic drafting concepts using AutoCAD. The course also covers a two-dimensional (2D) drafting application. Document reproduction, printing and plotting will be introduced and practiced.
DFT 16 - Print Reading For Industry and Manufacturing 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU
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.

DFT 24 - Architectural Drafting Applications 3 Unit(s)
Transfer Status: CSU
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.

DFT 45 - Building Information Modeling I 3 Unit(s)
Transfer Status: CSU
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.

DFT 46 - Building Information Modeling II - Advanced Applications 3 Unit(s)
Prerequisite(s): DFT 45
Transfer Status: CSU
In this computer-based course students will 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.

DFT 97 - Special Problems-DFT 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

DFT 99 - Work Experience-DFT 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
Course Descriptions

DRAM 12 - Rehearsal & Performance 3 Unit(s)
Co-requisite(s): Enrollment in one or more additional drama courses.
Transfer Status: CSU/UC
153 hours Lab
This course provides instruction and supervised participation in theatre rehearsal and performance. (C-ID THTR 191).

DRAM 14 - Theatre Production Workshop 3 Unit(s)
Transfer Status: CSU/UC
153 hours Lab
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).

DRAM 15 - Costume Construction I 3 Unit(s)
Pre-requisite(s): MUS 30
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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).

DRAM 18 - Musical Comedy Workshop 3 Unit(s)
Prerequisite(s): FASH 9 and FASH 74
Transfer Status: CSU/UC
34 hours Lecture / 68 hours Lab
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.

DRAM 19 - Choreography for Performance 2 Unit(s)
Co-requisite(s): DRAM 10
Transfer Status: CSU/UC
17 hours Lecture / 51 hours Lab
This course introduces students to dance styles and choreography within the context of live 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.

DRAM 21 - Introduction to Theatre Design 3 Unit(s)
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is a survey of scenery, lighting, sound, costumes, make-up, 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).

DRAM 22 - Introduction to Stage Lighting 3 Unit(s)
Transfer Status: CSU
34 hours Lecture / 51 - 153 hours Lab
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).

DRAM 95 - Special Studies-DRAM 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

DRAM 100 - Introduction to Professional Theatre 1 Unit(s)
Transfer Status: NT
5.5 hours Lecture / 25.5 hours Lab
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.

Disabled Students Programs/Services (DSPS)

DSPS 204 - Fundamentals of Reading 3 Unit(s)
Transfer Status: NT
51 hours Lecture
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.

DSPS 206 - Fundamentals of Math 3 Unit(s)
Transfer Status: NT
51 hours Lecture
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.

DSPS 207 - Fundamentals of College 3 Unit(s)
Transfer Status: NT
51 hours Lecture
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.

DSPS 210 - Adaptive Computer Lab 0.5 Unit(s)
Recommended Prep: Basic computer skills
Transfer Status: NT
25.5 hours Lab
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 Only. Open Entry/Open Exit.

Economics (ECON)

ECON 2 - Principles of Macroeconomics 3 Unit(s)
Prerequisite(s): MATH 108 or MATH 116
Transfer Status: CSU/UC
51 hours Lecture
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).

ECON 4 - Principles of Microeconomics 3 Unit(s)
Prerequisite(s): MATH 108 or MATH 116
Transfer Status: CSU/UC
51 hours Lecture
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).
Course Descriptions

ECON 20 - Economic History of the U.S. 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU/UC
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.

ECON 20H - Honors Economic History of the U.S. 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU/UC
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 discussions, students will study the origin and development of the American economy from colonial times to the present. Graded Only.

ECON 25 - Introduction to Economics 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU
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.

ECON 35 - Introduction to Environmental Economics 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Algebra I
Transfer Status: CSU
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.

ECON 95 - Special Studies-ECON 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

ECON 20 - Economic History of the U.S. 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU/UC
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.

ECON 20H - Honors Economic History of the U.S. 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU/UC
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 discussions, students will study the origin and development of the American economy from colonial times to the present. Graded Only.

ECON 25 - Introduction to Economics 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU
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.

ECON 35 - Introduction to Environmental Economics 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Algebra I
Transfer Status: CSU
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.

ECON 95 - Special Studies-ECON 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Education (EDUC)

EDUC 2 - Introduction to Education 3 Unit(s)
Recommended Prep: ENGL 2 or English Level IV
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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).

EDUC 4 - Introduction to Para Education 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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 Children in the TK-12 classroom environment.

EDUC 5 - Working With School-Age Children 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
51 hours Lecture
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.

EDUC 10 - Critical Skills for College Success 0.5 Unit(s)
Prerequisite(s): Meeting with an instructor in the Center for Academic Success is required to begin this course
Transfer Status: CSU
9.5 hours Lecture
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 Only. Open Entry/Open Exit.

EDUC 20 - Tutoring Methods 2 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
34 hours Lecture
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.

EDUC 95 - Special Studies-EDUC 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

EDUC 99 - Work Experience-EDUC 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
Course Descriptions

EDUC 100 - On Course for Student Success 1 Unit(s)
Recommended Prep: ENGL 215 and READ 223 or Reading Level II; English Level I
Transfer Status: NT
This first year experience student success course gives students insight into and experience with tools and skills critical for college-level academic success.

EDUC 110 - Critical Skills for College Success 0.5 Unit(s)
Prerequisite(s): Meeting with an instructor in the Center for Academic Success is required to begin this course
Transfer Status: NT
9.5 hours Lecture
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 Only. Open Entry/Open Exit.

EDUC 210 - Critical Skills for College Success 0.5 Unit(s)
Prerequisite(s): Meeting with an instructor in the Center for Academic Success is required to begin this course
Transfer Status: NT
9.5 hours Lecture
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 Only. Open Entry/Open Exit.

EDUC 302 - Preparatory Program for the GED Tests 0 Unit(s)
Transfer Status: NT
51 hours Lecture
This course is designed to focus on the development of basic skills needed in preparing for the General Educational Development Tests (GED) for high school equivalency standards. The course includes background on the GED Testing Program, describes the five tests in the battery and the broad areas of study covered by each, and helps the student determine readiness and prepare for taking the tests. Emphasis will be placed on development of reading, writing, math and calculator skills. Since skills/procencies are enhanced by supervised repetition and practice, this course may be repeated three times. Satisfactory/Unsatisfactory Only.

EDUC 310 - Supervised Tutoring 0 Unit(s)
Transfer Status: NT
136 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

Environmental Horticulture (EH)

EH 20 - Introduction to Environmental Horticulture 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 22 - Landscape Construction 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU
17 hours Lecture / 102 hours Lab
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.

EH 23 - Fall Plant Identification 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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).

EH 24 - Spring Plant Identification 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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).

EH 26 - Landscape Planning and Design 3 Unit(s)
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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.

EH 28 - Turfgrass Management and Equipment 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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, establishment of proper irrigation, environmental requirements, and maintenance practices.

EH 30 - Irrigation Practices and Materials 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course is an introduction to the materials, equipment, installation procedures, operation and maintenance of landscape irrigation systems and their components.

EH 38 - Greenhouse Production 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 40 - Wine Grape Cultivation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.
EH 41 - Wine Growing Practices - Fall  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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.

EH 42 - Wine Growing Practices - Spring  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 43 - Wine Styles and World Viticulture  3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU
51 hours Lecture
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.

EH 44 - Wine Vineyard Management  3 Unit(s)
Recommended Prep: Reading Level III; English Level III; Math Level III
Transfer Status: CSU
51 hours Lecture
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.

EH 47 - Fall Winery Operations  3 Unit(s)
Recommended Prep: Reading Level III; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 48 - Spring Winery Operations  3 Unit(s)
Recommended Prep: Reading Level III; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 60 - Principles of Integrated Pest Management  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
51 hours Lecture
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.

EH 61 - Plant Protection Materials  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
51 hours Lecture
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.

EH 62 - Weed Science and Invasive Plants  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 66 - Orchard Production and Management  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

EH 70 - Plant Propagation and Nursery Practices  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU
51 hours Lecture
This course is an introduction to plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, 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).

EH 72 - Landscape Business Management  3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU
51 hours Lecture
This course covers the skills and knowledge necessary to be successful in a management position for a landscape, 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.

EH 74 - Irrigation System Design  3 Unit(s)
Recommended Prep: Reading Level III; English Level III; Math Level III
Transfer Status: CSU
51 hours Lecture
This course is a study of the design of irrigation and drainage systems. Emphasis will be placed on pipe sizing, friction loss calculations, course requirements, pumping stations, points of connection and backflow prevention devices. The students will learn mathematical equations/calculations used for proper design and installation.

EH 99 - Work Experience-EH  1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
Course Descriptions

Emergency Medical Services (EMS)

EMS 97 - Special Problems-EMS
Prerequisite(s): Permission of instructor
Transfer Status: CSU 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

EMS 99 - Work Experience-EMS
Prerequisite(s): Permission of Cooperative Work Experience Education advisor/instructor and employment supervisor
Transfer Status: CSU 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

EMS 100 - Emergency Medical Responder
Prerequisite(s): American Heart Association Professional Health Care Provider CPR or equivalent and must be 18 years of age as of first day of class
Recommended Prep: ALH 2 and BIOL 2 and Reading Level IV; English Level IV; Math Level III
Transfer Status: NT 51 hours Lecture / 51 hours Lab
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.

EMS 110 - Emergency Medical Technician
Prerequisite(s): American Heart Association Professional Health Care Provider CPR or equivalent and must be 18 years of age as of first day of class
Recommended Prep: EMS 110
Transfer Status: NT 102 hours Lecture / 72 hours Lab
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.

EMS 170 - Paramedic-Theory
Prerequisite(s): Admission to the Paramedic Program
Recommended Prep: BIOL 20 and BIOL 21 or BIOL 10
Transfer Status: NT 306 hours Lecture / 153 hours Lab
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.

EMS 171 - Paramedic Clinical and Field Internship
Prerequisite(s): EMS 170
Transfer Status: NT 796 hours Lab
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.

EMS 172 - Community Paramedic - Mobile Integrated Health Care
Prerequisite(s): Licensed paramedic
Transfer Status: NT 51 hours Lecture / 170 hours Lab
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.

EMS 203 - Emergency Medical Technician Refresher
Prerequisite(s): EMS 111 and must possess a valid EMT Certificate in the State of California which is current or has been expired for no more than 24 months and a Healthcare Provider level CPR equivalent to the American Heart Association
Recommended Prep: Reading Level IV; Math Level III
Transfer Status: NT 8.5 hours Lecture / 25.5 hours Lab
This course meets the requirements for an individual to re-certify as a California State Emergency Medical Technician (EMT). Pass/No Pass Only.

English (ENGL)

ENGL 2 - Reading and Composition
Prerequisite(s): ENGL 118 or ENGL 119
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.
ENGL 4 - Introduction to Literature 3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 6 - Creative Writing 3 Unit(s)
Recommended Prep: English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 8 - British Literature I 3 Unit(s)
Prerequisite(s): ENGL 118 or ENGL 119
Transfer Status: CSU/UC 51 hours Lecture
This course is an introductory survey of 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.

ENGL 10 - British Literature II 3 Unit(s)
Prerequisite(s): ENGL 118 or ENGL 119
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 11 - Communication and Critical Thinking 3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU/UC 51 hours Lecture
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).

ENGL 14 - U.S. Literature I 3 Unit(s)
Prerequisite(s): ENGL 118 or ENGL 119
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 15 - Film as Literature 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 genre of 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.

ENGL 16 - U.S. Literature II 3 Unit(s)
Prerequisite(s): ENGL 118 or ENGL 119
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 20 - Introduction to Poetry 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 21 - Mythology 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 25 - Introduction to Shakespeare 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

ENGL 26 - Queer Film and Literature 3 Unit(s)
Transfer Status: CSU/UC 51 hours Lecture
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. Graded Only.

ENGL 31 - Existential Literature: A Literary Approach to Self Integration 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.
ENGL 35 - Cross-Cultural Film and Literature    3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

ENGL 45 - Latino Literature and its Latin American Roots    3 Unit(s)
Transfer Status: CSU/UC
51 hours Lecture
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. Graded Only.

ENGL 47 - Native American Literature    3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

ENGL 52H - Honors Great Works of Literature    3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC
51 hours Lecture
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. Graded Only.

ENGL 53H - Honors World Literature    3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC
51 hours Lecture
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. Graded Only.

ENGL 60 - Creative Writing: Fiction    3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU
51 hours Lecture
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. Graded Only.

ENGL 95 - Special Studies-ENGL    1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

ENGL 118 - Accelerated Composition Workshop, I and II    4 Unit(s)
Prerequisite(s): ENGL 217
Recommended Prep: Reading Level III
Transfer Status: NT
68 hours Lecture
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.

ENGL 119 - Composition Workshop II    3 Unit(s)
Prerequisite(s): ENGL 219
Recommended Prep: Reading Level IV
Transfer Status: NT
51 hours Lecture
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.

ENGL 215 - Foundations of Writing    4 Unit(s)
Prerequisite(s): Qualifying English, Reading, or ESL assessment score
Transfer Status: NT
68 hours Lecture
In this course students will develop 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. Pass/No Pass Only.

ENGL 217 - Basic Writing Skills    4 Unit(s)
Prerequisite(s): ENGL 215
Recommended Prep: Reading Level II
Transfer Status: NT
68 hours Lecture
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. Pass/No Pass Only.

ENGL 218 - Accelerated Reading and Writing    4 Unit(s)
Prerequisite(s): Qualifying English, Reading, or ESL assessment score
Transfer Status: NT
68 hours Lecture
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. Pass/No Pass Only.
**Engineering (ENGR)**

**ENGR 1 - Introduction to Engineering** 3 Unit(s)
Prerequisite(s): ENGL 217
Transfer Status: CSU

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. Pass/No Pass Only.

**ENGR 3 - Plane Surveying I** 3 Unit(s)
Prerequisite(s): MATH 20 or high school trigonometry
Transfer Status: CSU/UC

The course applies theory and principles of plane surveying; operation of computing and data collection; construction of data 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).

**ENGR 4 - Plane Surveying II** 3 Unit(s)
Prerequisite(s): ENGR 3
Transfer Status: CSU/UC

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.

**ENGR 8 - Statics** 3 Unit(s)
Prerequisite(s): MATH 31, PHYS 41
Transfer Status: CSU/UC

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).

**ENGR 17 - Electrical Circuits and Devices** 4 Unit(s)
Prerequisite(s): PHYS 42, MATH 40 (or concurrent enrollment)
Transfer Status: CSU/UC

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 260/280L).

**ENGR 45 - Materials Science** 4 Unit(s)
Prerequisite(s): PHYS 41, CHEM 1
Transfer Status: CSU/UC

This course presents the internal structures and resulting behaviors of materials commonly 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 140).

**ENGR 97 - Special Problems-ENGR** 1 - 3 Unit(s)

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.

**ENGR 99 - Work Experience-ENGR** 1 - 8 Unit(s)

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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
English as a Second Language (ESL)

ESL 95 - Special Studies-ESL 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

ESL 300 - American Citizenship 0 Unit(s)
Transfer Status: NT 51 hours Lecture
This course will provide non-U.S. citizens with an in-depth study of the federal and state system of government and the U.S. Constitution, preparing them for citizenship. The course will include civil rights, voting, historical development of the U.S., types of government, the electoral process, political parties, the executive, legislative, and judicial branches of government, and the relationship between the state and federal systems of government. Unlimited repeats. Satisfactory/Unsatisfactory Only.

ESL 310 - Survival/Life Skills for ESL Students 0 Unit(s)
Transfer Status: NT 85 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 311 - ESL Level 1 0 Unit(s)
Recommended Prep: ESL 310
Transfer Status: NT 85 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 312 - ESL Level 2 0 Unit(s)
Recommended Prep: ESL 311
Transfer Status: NT 85 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 313 - ESL Level 3 0 Unit(s)
Recommended Prep: ESL 312
Transfer Status: NT 85 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 340 - Technology Skills for ESL Students 0 Unit(s)
Recommended Prep: ESL 311
Transfer Status: NT 85 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 352A - ESL Workforce Training Adult Education 0 Unit(s)
Transfer Status: NT 200 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 352B - ESL Workforce Training Lab 0 Unit(s)
Transfer Status: NT 64 hours Lab
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 354 - Training-Specific Vocational ESL 0 Unit(s)
Transfer Status: NT 64 hours Lecture
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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

Fashion (FASH)

FASH 6 - Understanding Fibers, Fabric, and Textiles 3 Unit(s)
Recommended Prep: Reading Level IV, English Level III
Transfer Status: CSU/UC 51 hours Lecture
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.

FASH 9 - Clothing Construction I 3 Unit(s)
Recommended Prep: Reading Level IV, English Level III, Math Level II
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
This is a beginning course in clothing construction. Topics include pattern selection and layout, selection of fashion fabrics and interfacing, seam finishes and design features. Students will develop their sewing skills through the construction of garments and samples utilizing professional sewing techniques.

FASH 10 - Clothing Construction II 3 Unit(s)
Prerequisite(s): FASH 9
Transfer Status: CSU 34 hours Lecture / 51 hours Lab
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.
Since skills/proficiencies are enhanced by supervised repetition 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.

FASH 18 - Visual Merchandising 3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

FASH 40 - Flat Pattern/Draping Design 3 Unit(s)
Prerequisite(s): FASH 10
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU/UC
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.

FASH 64 - Introduction To Fashion/Retail Careers 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
51 hours Lecture
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.

FASH 74 - Historic Costume 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
51 hours Lecture
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.

FASH 80 - Retail Fashion Buying 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.

FASH 90 - Fashion Promotions 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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 the promotion including the staging, lighting, music, models, modeling, writing commentary, and rehearsals.

FASH 97 - Special Problems-FASH 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. This course may be repeated to a maximum of 3.00 units.

FASH 99 - Work Experience-FASH 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Food & Nutrition (FN)

FN 2 - Nutrition 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU
51 hours Lecture
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).

FN 8 - Maternal and Child Nutrition 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level I
Transfer Status: CSU
51 hours Lecture
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.

FN 10 - Food Safety and Sanitation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU
51 hours Lecture
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.

FN 15 - Introduction to Nutrition, Dietetics and Food Science 1 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
17 hours Lecture
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.

FN 50 - Nutrition and Diet Therapy 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU
68 hours Lecture
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.

FN 97 - Special Problems-FN 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. This course may be repeated to a maximum of 3.00 units.
**Course Descriptions**

**FN 99 - Work Experience-FN**  
1 - 8 Unit(s)  
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

**French (FREN)**

**FREN 1 - First Semester French**  
4 Unit(s)  
Recommended Prep: Reading Level III; English Level III  
Transfer Status: CSU/UC  
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.

**FREN 2 - Second Semester French**  
4 Unit(s)  
Prerequisite(s): FREN 1  
Recommended Prep: Reading Level III; English Level III  
Transfer Status: CSU/UC  
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.

**FREN 95 - Special Studies-FREN**  
1 - 3 Unit(s)  
Prerequisite(s): Permission of instructor  
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

**Fire Science/Academy (FSC)**

**FSC 2 - Introduction to Fire Science**  
3 Unit(s)  
Recommended Prep: Reading Level III; English Level III  
Transfer Status: CSU  
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.

**FSC 4 - Fundamentals of Fire Behavior and Combustion**  
3 Unit(s)  
Recommended Prep: Reading Level III; English Level III  
Transfer Status: CSU  
This course explores the theories and fundamentals of how and why fires start, spread and are controlled.

**FSC 6 - Fire Tactics and Strategy**  
3 Unit(s)  
Recommended Prep: Reading Level III; English Level III  
Transfer Status: CSU  
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.

**FSC 8 - Principles of Fire Safety**  
3 Unit(s)  
Recommended Prep: Reading Level IV, English Level III  
Transfer Status: CSU  
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.

**FSC 10 - Building Construction for Fire Protection**  
3 Unit(s)  
Transfer Status: CSU  
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, preplanning fire operations and operating at emergencies.

**FSC 12 - Fundamentals of Fire Prevention**  
3 Unit(s)  
Transfer Status: CSU  
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.

**FSC 14 - Fire Protection Equipment and Systems**  
3 Unit(s)  
Transfer Status: CSU  
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.

**FSC 16 - Fire Company Organization and Management**  
3 Unit(s)  
Transfer Status: CSU  
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.

**FSC 18 - Basic Wildland Firefighting**  
3 Unit(s)  
Transfer Status: CSU  
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.

**FSC 97 - Special Problems-FSC**  
1 - 3 Unit(s)  
Prerequisite(s): Permission of instructor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.
FSC 99 - Work Experience-FSC 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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 (75-800 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

FSC 100 - I-300 Intermediate Incident Command System 1 Unit(s)
Prerequisite(s): I-200 Basic Incident Command System (open to the public: http://training.fema.gov/Is/courseoverview.aspx?code=I-200.b)
Transfer Status: NT
24 hours Lecture
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. Pass/No Pass Only.

FSC 101 - I-400 Advanced Incident Command System 1 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public: http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT
17 hours Lecture
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). Pass/No Pass Only.

FSC 102 - Incident Management 2 1.5 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public: http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT
24 hours Lecture / 16 hours Lab
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. Pass/No Pass Only.

FSC 103 - Progressive Discipline 0.25 Unit(s)
Transfer Status: NT
4.25 hours Lecture
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. Pass/No Pass Only.

FSC 104 - Supervision 2 2 Unit(s)
Transfer Status: NT
40 hours Lecture
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. Pass/No Pass Only.

FSC 105 - Fire Academy Physical Training 2.5 Unit(s)
Co-requisite(s): FSC 106
Transfer Status: NT
10 hours Lecture / 118 hours Lab
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.

FSC 106 - Firefighter I Academy 25.5 Unit(s)
Prerequisite(s): Must complete Butte College Fire Academy orientation; Must provide proof of completion of a medical suitability examination; Must provide evidence of a current personal immunization record; Provide current evidence of a negative TB test that is less than 2 years old; a current cardiopulmonary resuscitation (CPR) card; must provide uniforms as per academy specifications
Co-requisite(s): FSC 105
Recommended Prep: EMS 110 and Reading Level IV; English Level III
Transfer Status: NT
297.5 hours Lecture / 421.5 hours Lab
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). Graded Only.

FSC 111 - CAL FIRE Basic 69 Hour Course 3 Unit(s)
Transfer Status: NT
45 hours Lecture / 24 hours Lab
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. Pass/No Pass Only.

FSC 117 - C-362 Cost Unit Leader 1.5 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public: http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT
32 hours Lecture
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. Pass/No Pass Only.

FSC 118 - C-363 Compensation/Claims Unit Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public: http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT
40 hours Lecture
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. Pass/No Pass Only.

FSC 119 - C-365 Time Unit Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public: http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT
40 hours Lecture
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. Pass/No Pass Only.
FSC 120 - C-368 Procurement Unit Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 40 hours Lecture
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. Pass/No Pass Only.

FSC 121 - Basic Purchasing 1 Unit(s)
Transfer Status: NT 24 hours Lecture
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. Pass/No Pass Only.

FSC 122 - S-354 Facilities Unit Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 40 hours Lecture
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. Pass/No Pass Only.

FSC 123 - S-355 Ground Support Unit Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 40 hours Lecture
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. Pass/No Pass Only.

FSC 124 - S-356 Supply Unit Leader 1.5 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 32 hours Lecture
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. Pass/No Pass Only.

FSC 127 - S-359 Medical Unit Leader 1 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 24 hours Lecture
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. Pass/No Pass Only.

FSC 128 - S-330 Task Force/Strike Team Leader 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 40 hours Lecture
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). Pass/No Pass Only.

FSC 129 - S-339 Division/Group Supervisor 1 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 24 hours Lecture
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. Pass/No Pass Only.

FSC 132 - Incident Management 3 2 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 40 hours Lecture
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. Pass/No Pass Only.

FSC 133 - S-390 Introduction to Wildland Fire Behavior Calculations 2 Unit(s)
Prerequisite(s): S-290 Intermediate Wildland Fire Behavior (open to the public:
http://onlinetraining.nwcg.gov/node/171)
Transfer Status: NT 40 hours Lecture
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. Pass/No Pass Only.

FSC 134 - S-342 Documentation Unit Leader 1 Unit(s)
Prerequisite(s): I-300 Intermediate Incident Command System (open to the public:
http://www.ehs.ucr.edu/training/online/ics/)
Transfer Status: NT 17 hours Lecture
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. Pass/No Pass Only.

FSC 135 - S-244/245 Field Observer/Display Processor 2 Unit(s)
Prerequisite(s): S-290 Intermediate Wildland Fire Behavior (open to the public:
http://onlinetraining.nwcg.gov/node/171)
Transfer Status: NT 36 hours Lecture / 4 hours Lab
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. Pass/No Pass Only.

FSC 136 - S-346 Situation Unit Leader 1.5 Unit(s)
Prerequisite(s): I-200 Basic Incident Command System (open to the public:
Transfer Status: NT 28 hours Lecture / 12 hours Lab
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. Pass/No Pass Only.
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. Pass/No Pass Only.

FSC 201E - Confined Space Rescue Operations 1.3 Unit(s)
Transfer Status: NT
11 hours Lecture / 29 hours Lab
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 Only.

FSC 203Z - Fire and Safety Training Orientation 1.1 Unit(s)
Transfer Status: NT
8 hours Lecture / 32 hours Lab
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 Only.

**Geography (GEOG)**

**GEOG 2 - Physical Geography**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
51 hours Lecture
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).

**GEOG 3 - Physical Geography Lab**
1 Unit(s)
Prerequisite(s): GEOG 2 (or concurrent enrollment)
Recommended Prep: Reading Level V; English Level IV; Math Level III
Transfer Status: CSU/UC
51 hours Lab
This course is designed to provide supplementary 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).

**GEOG 4 - Cultural Geography**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

**GEOG 5 - Economic Geography**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
Examines the world-wide patterns and locational tendencies of economic activity, including mining and agriculture, manufacturing and the service industries. Emphasizes the relationships among physical landscape, human landscape and the economic activity.

**GEOG 8 - World Regional Geography**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

**GEOG 10 - Geography of California**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

**GEOG 12 - The American West**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

**GEOG 20 - Introduction to Geographic Information Systems**
3 Unit(s)
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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).

**GEOG 21 - GIS Data Capture**
3 Unit(s)
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

**GEOG 22 - Remote Sensing and Spatial Analysis**
3 Unit(s)
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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 qualitative 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.
GEOG 95 - Special Studies-GEOG 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

GEOG 100 - Review for ESRI Certification 1 Unit(s)
Recommended Prep: GEOG 20, GEOG 21, GEOG 22 or equivalent training
Transfer Status: NT
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.

Geology (GEOL)

GEOL 32 - Physical Geology with Lab 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
51 hours Lecture / 51 hours Lab
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).

GEOL 34 - Historical Geology with Lab 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
51 hours Lecture / 51 hours Lab
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).

GERM 1 - First Semester German 4 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
This course is the first half of beginning 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 Third Semester German.

GERM 2 - Second Semester German 4 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

GERM 3 - Third Semester German 4 Unit(s)
Prerequisite(s): GERM 2
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

GERM 4 - Fourth Semester German 4 Unit(s)
Prerequisite(s): GERM 3
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

Healthy Aging & Living (HAL)

HAL 300 - Cooking for Wellness 0 Unit(s)
Transfer Status: NT
51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL 301 - Finding Your Inner Artist 0 Unit(s)
Transfer Status: NT
51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.
HAL 302 - Fun and Fitness for Healthy Aging  0 Unit(s)
Transfer Status: NT  51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL 303 - Vocal Aerobics: Music Exercises for Fitness  0 Unit(s)
Transfer Status: NT  51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL 304 - Staying Mentally Sharp  0 Unit(s)
Transfer Status: NT  51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL 305 - Telling Your Story  0 Unit(s)
Transfer Status: NT  51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL 306 - Technology Basics for Seniors  0 Unit(s)
Transfer Status: NT  51 hours Lab
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. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HIM 56 - Introduction to Health Information Management (HIM)  2 Unit(s)
Recommended Prep: Reading Level IV; English Level IV  34 hours Lecture
Transfer Status: CSU
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.

HIM 58 - Healthcare Law and Ethics  2 Unit(s)
Recommended Prep: Reading Level IV; English Level IV  34 hours Lecture
Transfer Status: CSU
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.

HIM 62 - Introduction to Medical Coding  3 Unit(s)
Recommended Prep: ALH 104 and Reading Level IV; English Level III; Math Level II  51 hours Lecture
Transfer Status: CSU
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.

HIM 63 - Reimbursement  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II and ALH 104 and HIM 62  51 hours Lecture
Transfer Status: CSU
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.

HIM 64 - Advanced Medical Coding  3 Unit(s)
Prerequisite(s): HIM 62  42.5 hours Lecture / 25.5 hours Lab
Recommended Prep: ALH 104 and Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
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 (HCPACS)) classification systems in this process.

HIM 76 - Electronic Health Records  3 Unit(s)
Recommended Prep: HIM 56 and HIM 62 and Reading Level IV; English Level III; Math Level II  51 hours Lecture
Transfer Status: CSU
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).
History (HIST)

HIST 3 - World History to 1500 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

HIST 5 - World History since 1500 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

HIST 6 - Modern World History 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

HIST 8 - United States History to 1877 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

HIST 10 - United States History-1877 to Present 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

HIST 18 - Multicultural History of the United States 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
A survey of the history of the United States from pre-colonial times to the present with particular emphasis on the multicultural heritage shared by all citizens. Contributions of African, Asian, European, Latino, and native American will be examined. Historical experiences of all groups will be compared and studies in relation to the general history of the United States, the dynamics of majority-minority interaction, immigration policy, and constitutional law.

HIST 20 - Political History of the Middle East 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

HIST 26 - Men and Women in American History 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

HIST 30 - History of the African American 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

HIST 95 - Special Studies-HIST 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Health (HLTH)

HLTH 2 - Health and Wellness 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU
51 hours Lecture
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. Graded Only.

HLTH 10 - Leisure for Healthy Living 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU
51 hours Lecture
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.

HLTH 20 - Current Health Issues in Athletics 1 Unit(s)
Transfer Status: CSU
17 hours Lecture
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.
Honors (HON)

HON 11 - Honors Capstone
1 Unit(s)
Prerequisite(s): ENGL 2 and, admission to Honors Program and completion of 18 Honors units or completion of 15 Honors units and concurrent enrollment in 3 Honors units in addition to Honors 11
Transfer Status: CSU
17 hours Lecture
This course provides Honors students who have already completed a minimum of 18 units in Honors classes (or have completed 15 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. Graded Only.

HON 95 - Special Studies-HON
1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Humanities (HUM)

HUM 17 - Comparative European Studies
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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. Graded Only.

HUM 22 - Greco-Roman Cultures
3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

HUM 95 - Special Studies-HUM
1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Interdisciplinary Studies (IDST)

IDST 12 - Strategies for Success in Online Learning
1 Unit(s)
Transfer Status: CSU
17 hours Lecture
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. Pass/No Pass Only.

IDST 90 - Special Topics
1 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU
17 hours Lecture
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 Only.

IDST 94 - Introduction to Service Learning
1 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU
17 hours Lecture
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.

Italian (ITAL)

ITAL 1 - First Semester Italian
4 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

ITAL 2 - Second Semester Italian
4 Unit(s)
Prerequisite(s): ITAL 1
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.
Course Descriptions

ITAL 95 - Special Studies-ITAL 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

ITAL 100 - Beginning Conversational Italian 3 Unit(s)
Transfer Status: NT
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.

ITAL 101 - Intermediate Conversational Italian 3 Unit(s)
Recommended Prep: ITAL 100
Transfer Status: NT
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.

JOUR 95 - Special Studies-JOUR 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

JOUR 99 - Work Experience-JOUR 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Japanese (JPN)

JPN 1 - First Semester Japanese 4 Unit(s)
Prerequisite(s): JPN 1
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
This course is the first half of beginning Japanese, which further develops language skills: reading, writing, speaking, and listening comprehension. This course requires higher level student and class participation. 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.

JPN 2 - Second Semester Japanese 4 Unit(s)
Prerequisite(s): JPN 1
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC
68 hours Lecture
This course is the second half of beginning Japanese, which further develops language skills: reading, writing, listening comprehension and speaking. This course requires higher level student and class participation. 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.

JPN 3 - Third Semester Japanese 4 Unit(s)
Prerequisite(s): JPN 2
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.
Course Descriptions

Kinesiology (KIN)

Course Families
Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Adaptive : KIN 94
Aerobics : KIN 33, 34, 35, 36
Aquatics : KIN 54, 55
Combatives & Martial Arts : KIN 73, 74, 75, 76, 77, 78
Dance : KIN 38, 39, 40, 44, 93
General Fitness : KIN 48, 49, 50, 51, 52, 53
Individual Sports : KIN 57, 58, 60, 61, 62, 63
Interval Training : KIN 27, 28, 29, 31
Mind-Body Wellness : KIN 41, 42, 43, 45, 46, 47
Resistance Training : KIN 23, 24, 25
Team Sports : KIN 64, 65, 66, 67, 68, 69, 70, 71

KIN 1 - Introduction to Kinesiology 3 Unit(s)
Transfer Status: CSU
51 hours Lecture
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).

KIN 2 - Introduction to Coaching 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.

KIN 3 - Elementary School Physical Education 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

KIN 5 - Sports Officiating 3 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU/UC
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.

KIN 6 - Sports Fitness and Nutrition 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
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.

KIN 7 - Introduction to Athletic Training and Sports Medicine 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
This course introduces students to the prevention, evaluation, and treatment 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. The course is designed to expose students to sports medicine career fields such as strength and conditioning, physical therapy, orthopedic medicine, and athletic training.

KIN 8 - Athletic Training and Sports Medicine Practicum 1 Unit(s)
Recommended Prep: KIN 7 and Reading Level III; English Level IV
Transfer Status: CSU
51 hours Lab
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.

KIN 9 - Introduction to Personal Fitness Training 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
51 hours Lecture
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.

KIN 10 - Personal Fitness Training Practicum 1 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
51 hours Lab
This course is a personal fitness training practicum, including anatomy and physiology, fitness evaluations, weight room program design, and nutrition. Students will be assigned to shadow professional fitness trainers and strength coaches assisting in daily training regimens.

KIN 11 - First Aid and CPR 3 Unit(s)
Transfer Status: CSU
42.5 hours Lecture / 25.5 hours Lab
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).
Course Descriptions

KIN 12A - Theory of Baseball I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 12B - Theory of Baseball II 2 Unit(s)
Prerequisite(s): KIN 12A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 13A - Theory of Basketball I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 13B - Theory of Basketball II 2 Unit(s)
Prerequisite(s): KIN 13A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 14A - Theory of Cross Country I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 14B - Theory of Cross Country II 2 Unit(s)
Prerequisite(s): KIN 14A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 15A - Theory of Football I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 15B - Theory of Football II 2 Unit(s)
Prerequisite(s): KIN 15A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 16A - Theory of Golf I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 16B - Theory of Golf II 2 Unit(s)
Prerequisite(s): KIN 16A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 17A - Theory of Soccer I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 17B - Theory of Soccer II 2 Unit(s)
Prerequisite(s): KIN 17A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 18A - Theory of Softball I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 18B - Theory of Softball II 2 Unit(s)
Prerequisite(s): KIN 18A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 19A - Theory of Track and Field I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.

KIN 19B - Theory of Track and Field II 2 Unit(s)
Prerequisite(s): KIN 19A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
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.
KIN 20A - Theory of Volleyball I 2 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 20B - Theory of Volleyball II 2 Unit(s)
Prerequisite(s): KIN 20A
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 23 - Weight Training I 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 24 - Weight Training II 1.5 Unit(s)
Recommended Prep: KIN 23
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 25 - Olympic Weightlifting 1.5 Unit(s)
Transfer Status: CSU
17 hours Lecture / 34 hours Lab
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.

KIN 27 - Core Crossfit Training 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 28 - Plyometric Training 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 29 - Body Sculpting 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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 and low impact step.

KIN 31 - Quickfits 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 33 - Aerobic Mix 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
This course examines forms of aerobic exercise to increase cardiorespiratory conditioning through choreographed routines. Students will learn different styles of aerobicics including floor, step, and interval. The benefits of aerobic exercise will be explored with emphasis on cardiovascular health and body composition.

KIN 34 - Step Aerobics 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 35 - Aerobic Dance 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 36 - Gentle Aerobics and Movement 1.5 Unit(s)
Transfer Status: CSU
17 hours Lecture / 34 hours Lab
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.

KIN 37 - Ballroom Dance I 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 38 - Ballroom Dance II 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 40 - Jazz Dance I 1.5 Unit(s)
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.
### Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
<th>Transfer Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 41</td>
<td>Gentle Yoga</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU</td>
</tr>
<tr>
<td>KIN 42</td>
<td>Yoga I</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 43</td>
<td>Yoga II</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 44</td>
<td>Jazz Dance II</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 45</td>
<td>Pilates</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 46</td>
<td>Tai Chi Chuan</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 47</td>
<td>Stress Management Techniques and Exercise</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU</td>
</tr>
<tr>
<td>KIN 48</td>
<td>Stretching for Life</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 49</td>
<td>Fit Mix</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 50</td>
<td>Stability Ball Fitness</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 51</td>
<td>Butte Fitness and Wellness Center</td>
<td>0.5 - 1.5</td>
<td>25.5 - 76.5</td>
<td>CSU/UC</td>
<td></td>
</tr>
<tr>
<td>KIN 52</td>
<td>Walking for Fitness</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 53</td>
<td>Jogging/Running for Fitness</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 54</td>
<td>Aquatics</td>
<td>1.5</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 55</td>
<td>Lifeguard Training</td>
<td>1.0</td>
<td>11</td>
<td>23</td>
<td>CSU/UC</td>
</tr>
<tr>
<td>KIN 56</td>
<td>Archery</td>
<td>1.0</td>
<td>17</td>
<td>34</td>
<td>CSU/UC</td>
</tr>
</tbody>
</table>

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 discomforts.

KIN 42 - Yoga I
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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).

KIN 43 - Yoga II
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 44 - Jazz Dance II
Recommended Preparation: KIN 40
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
This course is a continuation of Jazz Dance with an emphasis on more complex steps, dance combinations, terminology, music, style and technique. 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.

KIN 45 - Pilates
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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 upon understanding the muscles that are used for specific movements and how to activate the muscles needed to properly perform these movements.

KIN 46 - Tai Chi Chuan
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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 Gong exercises and their purpose that will help them in movement and attitude.

KIN 47 - Stress Management Techniques and Exercise
Transfer Status: CSU
17 hours Lecture / 34 hours Lab
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.

KIN 48 - Stretching for Life
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 49 - Fit Mix
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 50 - Stability Ball Fitness
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 51 - Butte Fitness and Wellness Center
Transfer Status: CSU/UC
0.5 - 1.5 hours Lecture / 34 hours Lab
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.

KIN 52 - Walking for Fitness
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 53 - Jogging/Running for Fitness
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.

KIN 54 - Aquatics
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
This course improves cardiorespiratory endurance, muscular strength, and flexibility through aquatic exercise. Students will learn different aquatic strokes, movements, and water safety while increasing their fitness level and improving muscle tone. The course will be modified for each student to ensure safety based on their experience level.

KIN 55 - Lifeguard Training
Transfer Status: CSU/UC
11 hours Lecture / 23 hours Lab
This course provides instruction in the fundamental skills and knowledge of lifeguard training, such as: prevention and recognition of emergencies, water safety, injury, and illnesses. This course also covers Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) training, injury management, and post-emergency procedures.

KIN 56 - Archery
Transfer Status: CSU/UC
17 hours Lecture / 34 hours Lab
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.
KIN 58 - Badminton 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
This course provides instruction in the fundamental skills of badminton. Students will learn the basic rules of the game, the proper technique for each event, and rules and scoring. Students will also learn about team play and offensive and defensive strategies. Emphasis will be placed on skill improvement, team cooperation, and safe play. All skills, including serving, the elements of team play and game strategies will be identified and introduced.

KIN 60 - Bowling 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
This course provides instruction in the basic principles and skills of bowling. 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.

KIN 61 - Golf 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 62 - Tennis 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
This course provides instruction in the fundamental skills 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.

KIN 63 - Track and Field 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 64 - Baseball 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 65 - Soccer 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 66 - Softball 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 67 - Non-Contact Football 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 68 - Volleyball I 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 69 - Volleyball II 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
This course builds upon the application of basic skills, team play, and offensive and defensive fundamentals learned in Level one. 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.

KIN 70 - Basketball I 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
This course provides 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 rebonding.

KIN 71 - Basketball II 1.5 Unit(s)  
Recommended Prep: KIN 70  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 72 - Self Defense 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 74 - Boxing 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 75 - Jujitsu 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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 blocking, escapes, holds, and grappling strategies.

KIN 76 - Aikido 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.

KIN 77 - Karate 1.5 Unit(s)  
Transfer Status: CSU/UC  
17 hours Lecture / 34 hours Lab  
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.
KIN 78 - Taekwondo 1.5 Unit(s)
Transfer Status: CSU
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).

KIN 80 - Varsity Baseball 3 Unit(s)
Transfer Status: CSU/UC
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 81 - Varsity Basketball 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate basketball. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 82 - Varsity Cross Country 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate cross country. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 83 - Varsity Football 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate football. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 84 - Varsity Golf 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate golf. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 85 - Varsity Soccer 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate soccer. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 86 - Varsity Softball 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate softball. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 87 - Varsity Track and Field 3 Unit(s)
Transfer Status: CSU/UC
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 88 - Varsity Volleyball 3 Unit(s)
Transfer Status: CSU/UC
This course is designed for students who meet the criteria to compete in intercollegiate volleyball. All varsity sports entail practice at designated times. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 90 - Skill Development for Intercollegiate Athletes 1.5 Unit(s)
Transfer Status: CSU/UC
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 91 - Strength and Conditioning for Intercollegiate Athletes 1 Unit(s)
Transfer Status: CSU/UC
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times.

KIN 93 - Pep Activities 1.5 Unit(s)
Transfer Status: CSU/UC
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.

KIN 94 - Adaptive Physical Education 1.5 Unit(s)
Transfer Status: CSU/UC
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.

KIN 95 - Special Studies-KIN 1 - 3 Unit(s)
Prerequisite(s): Permission of Instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.
Latin (LATN)

LATN 1 - First Semester Latin 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
68 hours Lecture
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.

LATN 2 - Second Semester Latin 4 Unit(s)
Prerequisite(s): LATN 1
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
68 hours Lecture
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.

LATN 3 - Third Semester Latin 4 Unit(s)
Prerequisite(s): LATN 2
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
68 hours Lecture
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.

LATN 95 - Special Studies-LATN 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Library & Information Science (LIS)

LIS 11 - Research Strategies 1 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU
17 hours Lecture
This course is intended for students wishing to improve their information research 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.

LIS 126 - Library and Research Skills 1 Unit(s)
Transfer Status: NT
17 hours Lecture
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. Pass/No Pass Only.

Life Management (LM)

LM 40 - Life Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU
51 hours Lecture
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.

Mathematics (MATH)

MATH 4 - Concepts in Mathematics for Teachers I 3 Unit(s)
Prerequisite(s): MATH 116 or MATH 124
Recommended Prep: Reading Level IV
Transfer Status: CSU
51 hours Lecture
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).

MATH 5 - Concepts in Mathematics for Teachers II 4 Unit(s)
Prerequisite(s): MATH 116 or MATH 124
Recommended Prep: MATH 4 and Reading Level IV
Transfer Status: CSU/UC
68 hours Lecture
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.

MATH 7 - Formal Logic and Writing 3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU/UC
51 hours Lecture
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.

MATH 11 - Nature of Mathematics 3 Unit(s)
Prerequisite(s): MATH 116 or MATH 124
Recommended Prep: Reading Level IV
Transfer Status: CSU
51 hours Lecture
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.
MATH 12 - Mathematics for Business Decisions (Finite Mathematics)  
Prerequisite(s): MATH 116 or MATH 124  
Recommended Prep: Reading Level IV  
Transfer Status: CSU/UC  
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).

MATH 13 - Survey of Calculus  
Prerequisite(s): MATH 116 or MATH 124  
Recommended Prep: Two years high-school algebra and Reading Level IV  
Transfer Status: CSU/UC  
51 hours Lecture  
This course 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).

MATH 18 - Introduction to Statistics  
Prerequisite(s): MATH 116 or MATH 124  
Recommended Prep: Two years of high school algebra and Reading Level IV  
Transfer Status: CSU/UC  
51 hours Lecture  
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).

MATH 20 - Trigonometry  
Prerequisite(s): MATH 116 or MATH 124  
Recommended Prep: Two years of high school algebra and Reading Level IV  
Transfer Status: CSU/UC  
51 hours Lecture  
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.

MATH 26 - College Algebra  
Prerequisite(s): MATH 116 or MATH 124  
Recommended Prep: Two years high school algebra and Reading Level IV  
Transfer Status: CSU/UC  
68 hours Lecture  
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).

MATH 30 - Analytic Geometry and Calculus I  
Prerequisite(s): MATH 20 and MATH 26 or college-level pre-calculus  
Recommended Prep: Four years of high school college-preparatory Mathematics and Reading Level IV  
Transfer Status: CSU/UC  
85 hours Lecture  
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).

MATH 42 - Linear Algebra  
Prerequisite(s): MATH 30  
Recommended Prep: MATH 31  
Transfer Status: CSU/UC  
51 hours Lecture  
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).

MATH 95 - Special Studies-MATH  
Prerequisite(s): Permission of instructor  
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

MATH 131 - Calculus with MAPLE  
Prerequisite(s): MATH 30  
Co-requisite(s): MATH 31  
Transfer Status: CSU/UC  
9 hours Lecture / 18 hours Lab  
This course introduces a student to the MAPLE Symbolic Math Package. This computer program will be used in a variety of situations, including problem solving, calculus investigations, and "real life" calculus problems. Mathematical concepts from Math 30 and Math 31 will be used.

MATH 31 - Analytic Geometry and Calculus II  
Prerequisite(s): MATH 30  
Recommended Prep: Reading Level IV  
Transfer Status: CSU/UC  
68 hours Lecture  
A second course in differential and integral calculus of a single variable: integration; techniques of integration, infinite sequences and series, polar and parametric equations, applications of integration. Primarily for Science, Technology, Engineering & Math Majors. For students who have no knowledge of or access to a symbolic math program (such as MAPLE, Mathematica, Derive, or the TI-89,) the mathematics department offers instruction in MAPLE (MATH 31A), which may be taken concurrently with MATH 31. (C-ID MATH 220).

MATH 31A - Calculus with MAPLE  
Prerequisite(s): MATH 30  
Transfer Status: CSU/UC  
68 hours Lecture  
This course introduces a student to the MAPLE Symbolic Math Package. This computer program will be used in a variety of situations, including problem solving, calculus investigations, and "real life" calculus problems. Mathematical concepts from Math 30 and Math 31 will be used.

MATH 32 - Analytic Geometry and Calculus III  
Prerequisite(s): MATH 31  
Transfer Status: CSU/UC  
68 hours Lecture  
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).

MATH 40 - Differential Equations  
Prerequisite(s): MATH 31  
Transfer Status: CSU/UC  
68 hours Lecture  
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).
Math 108 - Beginning Algebra
4 Unit(s)
Prerequisite(s): MATH 217
Recommended Prep: Reading Level IV
Transfer Status: NT
68 hours Lecture
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.

Math 110 - Geometry
3 Unit(s)
Prerequisite(s): MATH 108
Recommended Prep: Reading Level IV
Transfer Status: NT
51 hours Lecture
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.

Math 116 - Accelerated Algebra
6 Unit(s)
Prerequisite(s): MATH 217
Transfer Status: NT
102 hours Lecture
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.

Math 124 - Intermediate Algebra
5 Unit(s)
Prerequisite(s): MATH 108
Recommended Prep: Reading Level IV
Transfer Status: NT
85 hours Lecture
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.

Math 216 - Basic Math
3 Unit(s)
Recommended Prep: Reading Level II
Transfer Status: NT
51 hours Lecture
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.

Math 217 - Pre-Algebra
4 Unit(s)
Prerequisite(s): MATH 216
Recommended Prep: Reading Level III
Transfer Status: NT
68 hours Lecture
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.

Math 217 - Pre-Algebra
6 Unit(s)
Prerequisite(s): MATH 217
Recommended Prep: Reading Level IV
Transfer Status: NT
102 hours Lecture
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.

Math 218 - Accelerated Algebra
5 Unit(s)
Prerequisite(s): MATH 217
Transfer Status: NT
91 hours Lecture
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.

Math 219 - Intermediate Algebra
4 Unit(s)
Prerequisite(s): MATH 217
Transfer Status: NT
70 hours Lecture
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.

Math 220 - Basic Math
5 Unit(s)
Recommended Prep: Reading Level II
Transfer Status: NT
91 hours Lecture
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.

Math 221 - Pre-Algebra
5 Unit(s)
Prerequisite(s): MATH 220
Recommended Prep: Reading Level III
Transfer Status: NT
91 hours Lecture
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.

Multicultural and Gender Studies (MCGS)

MCGS 8 - Introduction to Multicultural and Gender Studies
3 Unit(s)
Recommended Prep: Reading Level IV, English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

MCGS 10 - Introduction to Women's Studies
3 Unit(s)
Recommended Prep: Reading Level IV, English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.

MCGS 32 - Introduction to African American Studies
3 Unit(s)
Recommended Prep: Reading Level IV, English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

MCGS 36 - Introduction to Chicano American Studies
3 Unit(s)
Recommended Prep: Reading Level IV, English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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 Chicanoismo 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.

MCGS 38 - Introduction to Asian American Studies
3 Unit(s)
Recommended Prep: Reading Level IV, English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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 migration and refugee challenges, cultural adaptations, and unique contributions to American society as a whole.
MCGS 95 - Special Studies-MCGS 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Multimedia Studies Program (MSP)

MSP 1 - Multimedia Careers 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
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.

MSP 5 - Introduction to Interactive Web Design and Authoring 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
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.

MSP 68 - T-Shirt Design and Promotional Products 3 Unit(s)
Transfer Status: CSU
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.

MSP 74 - Multimedia Production I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level I
Transfer Status: CSU
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.

MSP 80 - Introduction to Digital Art 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: 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).

MSP 42 - Flash Game Design 3 Unit(s)
Transfer Status: CSU
This course is an introduction to the use of Adobe Flash as a tool for designing Flash games. Topics include the creation of Flash game art and the application of Flash ActionScript to add interactivity. Students will learn to design simple games using Flash.

MSP 45 - 3-D Computer Modeling and Animation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
This course introduces students to the use of software techniques to produce camera fly-throughs and basic character animation sequences.

MSP 30 - Introduction to Digital Art 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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).

MSP 42 - Flash Game Design 3 Unit(s)
Transfer Status: CSU
This course is an introduction to the use of Adobe Flash as a tool for designing Flash games. Topics include the creation of Flash game art and the application of Flash ActionScript to add interactivity. Students will learn to design simple games using Flash.

MSP 45 - 3-D Computer Modeling and Animation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
This course introduces students to the use of software techniques to produce camera fly-throughs and basic character animation sequences.

MSP 68 - T-Shirt Design and Promotional Products 3 Unit(s)
Transfer Status: CSU
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.

MSP 74 - Multimedia Production I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level I
Transfer Status: CSU
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.

MSP 80 - Introduction to Digital Art 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: 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).

MSP 42 - Flash Game Design 3 Unit(s)
Transfer Status: CSU
This course is an introduction to the use of Adobe Flash as a tool for designing Flash games. Topics include the creation of Flash game art and the application of Flash ActionScript to add interactivity. Students will learn to design simple games using Flash.

MSP 45 - 3-D Computer Modeling and Animation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
This course introduces students to the use of software techniques to produce camera fly-throughs and basic character animation sequences.

MSP 30 - Introduction to Digital Art 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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).

MSP 42 - Flash Game Design 3 Unit(s)
Transfer Status: CSU
This course is an introduction to the use of Adobe Flash as a tool for designing Flash games. Topics include the creation of Flash game art and the application of Flash ActionScript to add interactivity. Students will learn to design simple games using Flash.

MSP 45 - 3-D Computer Modeling and Animation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
This course introduces students to the use of software techniques to produce camera fly-throughs and basic character animation sequences.

MSP 68 - T-Shirt Design and Promotional Products 3 Unit(s)
Transfer Status: CSU
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.

MSP 74 - Multimedia Production I 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level I
Transfer Status: CSU
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.

MSP 30 - Introduction to Digital Art 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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).
Music (MUS)

Course Families
Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Guitar: MUS 20, 21, 22, 23
Piano: MUS 40, 41, 42, 43
Voice: MUS 30, 31, 32, 33

MUS 1 - Music Appreciation 3 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU/UC
51 hours Lecture
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).

MUS 3 - Music Fundamentals 3 Unit(s)
Transfer Status: CSU/UC
51 hours Lecture
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).

MUS 5 - American Popular Music 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

MUS 6 - Women and Music 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.

MUS 7 - Jazz Appreciation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.

MUS 9 - World Music 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

MUS 10 - Music Theory I 3 Unit(s)
Recommended Prep: MUS 3, or Ability to read and write music at a fundamentals level and, Reading Level III; English Level II
Transfer Status: CSU/UC
51 hours Lecture
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).

MUS 11 - Musicianship I 1 Unit(s)
Transfer Status: CSU/UC
51 hours Lab
This course develops the rhythmic, melodic, and harmonic elements presented in Music Theory I through ear training, sight singing, analysis, and dictation. (C-ID MUS 125).

MUS 12 - Music Theory II 3 Unit(s)
Prerequisite(s): MUS 10
Co-requisite(s): MUS 13 and MUS 21, MUS 31 or MUS 41
Transfer Status: CSU/UC
51 hours Lecture
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).

MUS 13 - Musicianship II 1 Unit(s)
Prerequisite(s): MUS 11
Co-requisite(s): MUS 12 and MUS 21, MUS 31 or, MUS 41
Transfer Status: CSU/UC
51 hours Lab
This course applies and develops the rhythmic, melodic, and harmonic materials presented in Music Theory II through ear training, sight singing, analysis, and dictation. (C-ID MUS 135).

MUS 14 - Music Theory III 3 Unit(s)
Prerequisite(s): MUS 12
Co-requisite(s): MUS 15 and MUS 22, MUS 32 or MUS 42
Transfer Status: CSU/UC
51 hours Lecture
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).

MUS 15 - Musicianship III 1 Unit(s)
Prerequisite(s): MUS 13
Co-requisite(s): MUS 14 and MUS 22, MUS 32 or MUS 42
Transfer Status: CSU/UC
51 hours Lab
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).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Corequisite(s)</th>
<th>Transfer Status</th>
<th>Hours of Lecture</th>
<th>Hours of Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 16</td>
<td>Music Theory IV</td>
<td>3</td>
<td>MUS 14</td>
<td></td>
<td>CSU/UC</td>
<td>51 hours</td>
<td></td>
</tr>
<tr>
<td>MUS 17</td>
<td>Musicianship IV</td>
<td>1</td>
<td>MUS 15</td>
<td></td>
<td>CSU/UC</td>
<td>51 hours Lab</td>
<td></td>
</tr>
<tr>
<td>MUS 20</td>
<td>Guitar I</td>
<td>1</td>
<td>MUS 20</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 21</td>
<td>Guitar II</td>
<td>1</td>
<td>MUS 21</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 22</td>
<td>Guitar III</td>
<td>1</td>
<td>MUS 22</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 23</td>
<td>Guitar IV</td>
<td>1</td>
<td>MUS 23</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 30</td>
<td>Voice I</td>
<td>1</td>
<td>MUS 30</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 31</td>
<td>Voice II</td>
<td>1</td>
<td>MUS 31</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 32</td>
<td>Voice III</td>
<td>1</td>
<td>MUS 32</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 33</td>
<td>Voice IV</td>
<td>1</td>
<td>MUS 33</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 40</td>
<td>Piano I</td>
<td>1</td>
<td>MUS 40</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 41</td>
<td>Piano II</td>
<td>1</td>
<td>MUS 41</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
<tr>
<td>MUS 42</td>
<td>Piano III</td>
<td>1</td>
<td>MUS 42</td>
<td></td>
<td>CSU/UC</td>
<td>8.5 hours</td>
<td>25.5 hours</td>
</tr>
</tbody>
</table>

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 mediant, 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).

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).

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).

This course consists of individualized study of the appropriate techniques and repertoire for the guitar in an advanced intermediate 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).

This course consists of individualized study and repertoire for the guitar at an advanced 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).

This course consists of individualized study of the appropriate techniques and repertoire for the piano. 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).

This course consists of individualized study of the appropriate techniques and repertoire for the piano at an intermediate level. The focus of the course is 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).

This course consists of individualized study of the appropriate techniques and repertoire for the piano at an advanced intermediate level. The focus is on advanced intermediate piano techniques, more compositional processes, ensemble playing and accompanying. 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).
**MUS 43 - Piano IV**
1 Unit(s)
Prerequisite(s): MUS 42
Transfer Status: CSU/UC
This course consists of individualized study of the appropriate techniques and repertoire for the piano at an advanced level. The focus is on advanced piano techniques, more compositional processes, ensemble playing and accompanying. 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.

**MUS 51 - Computer Literacy for Musicians**
1.5 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU
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.

**MUS 52 - Introduction to Recording Techniques**
3 Unit(s)
Transfer Status: CSU
This course will instruct students in the fundamentals of studio recording techniques. Students will study elements of sound, signal flow, microphone techniques, digital recording and mixing consoles.

**MUS 53 - Introduction to Recording Software Applications**
3 Unit(s)
Prerequisite(s): MUS 51
Transfer Status: CSU
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.

**MUS 54 - Studio Recording I**
4 Unit(s)
Prerequisite(s): MUS 51 and MUS 52.
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU
This is a hands-on, project-based course in which students will apply learned methods and skills to a studio recording session. Students will set up and record professional quality live music sessions. Students will learn proper microphone technique and post-production mixing techniques. This course will also cover setting up and managing Musical Instrument Digital Interface (MIDI) recording equipment. Course will also cover Copyright and ethics of music ownership rights.

**MUS 55 - Studio Recording II**
4 Unit(s)
Prerequisite(s): MUS 54
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU
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.

**MUS 60 - Performance Ensemble**
1 Unit(s)
Transfer Status: CSU/UC
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).

**MUS 95 - Special Studies-MUS**
1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

**MUS 99 - Work Experience-MUS**
1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employer supervisor
Transfer Status: CSU
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 vocation 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

**Natural Resources (NR)**

**NR 20 - Introduction to Forestry and Natural Resources**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC
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.

**NR 26 - Environmental World**
3 Unit(s)
Transfer Status: CSU/UC
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.

**NR 28 - Environmental Management**
3 Unit(s)
Transfer Status: CSU/UC
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.

**NR 40 - Watershed Ecology and Habitat Restoration**
3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level IV
Transfer Status: 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.
### Nursing (NSG)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 18</td>
<td>Fundamentals of Nursing</td>
<td>3</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 21</td>
<td>Clinical Nursing I</td>
<td>7</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 22</td>
<td>Gerontology Nursing</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 23</td>
<td>Pharmacology Nursing</td>
<td>3</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 24</td>
<td>Musculoskeletal Nursing</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 28</td>
<td>Role Development</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 31</td>
<td>Clinical Nursing II</td>
<td>7</td>
<td>NSG 32, NSG 35, NSG 36, NSG 37</td>
</tr>
<tr>
<td>NSG 32</td>
<td>Perioperative Nursing and Client Education</td>
<td>2</td>
<td>NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 35</td>
<td>Cardiovascular and Respiratory Nursing</td>
<td>3</td>
<td>NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
</tbody>
</table>

### Other Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 18</td>
<td>Fundamentals of Nursing</td>
<td>3</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 21</td>
<td>Clinical Nursing I</td>
<td>7</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 22</td>
<td>Gerontology Nursing</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 23</td>
<td>Pharmacology Nursing</td>
<td>3</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 24</td>
<td>Musculoskeletal Nursing</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 28</td>
<td>Role Development</td>
<td>1</td>
<td>Admission to Vocational Nursing Program, NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 31</td>
<td>Clinical Nursing II</td>
<td>7</td>
<td>NSG 32, NSG 35, NSG 36, NSG 37</td>
</tr>
<tr>
<td>NSG 32</td>
<td>Perioperative Nursing and Client Education</td>
<td>2</td>
<td>NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
<tr>
<td>NSG 35</td>
<td>Cardiovascular and Respiratory Nursing</td>
<td>3</td>
<td>NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28</td>
</tr>
</tbody>
</table>

### Course Descriptions

- **NR 55 - Wildlife Management**: 3 Unit(s)  
  Recommended Prep: Reading Level IV, English Level III, Math Level III  
  Transfer Status: CSU  
  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.

- **NR 60 - Natural Resources Law**: 3 Unit(s)  
  Recommended Prep: Reading Level IV, English Level III, Math Level II  
  Transfer Status: CSU  
  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.

- **NR 65 - Recreational Land Management**: 3 Unit(s)  
  Recommended Prep: Reading Level IV, English Level III, Math Level III  
  Transfer Status: CSU  
  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, maintenance and operation of outdoor recreational facilities. Analyses of social and economic factors that affect participation in recreational activities will be included.

- **NR 70 - Geospatial Data Applications**: 2 Unit(s)  
  Recommended Prep: AB 25  
  Transfer Status: CSU  
  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.

- **NR 99 - Work Experience-NR**: 1 - 8 Unit(s)  
  Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor  
  Transfer Status: CSU  
  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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
NSG 36 - Gastrointestinal and Renal/Urinary Nursing 2 Unit(s)
Prerequisite(s): NSG 18, NSG 21, NSG 22, NSG 23, NSG 24 and NSG 28
Co-requisite(s): NSG 31, NSG 32, NSG 35 and NSG 37
Transfer Status: CSU
34 hours Lecture
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.

NSG 37 - Endocrine Disorders 2 Unit(s)
Prerequisite(s): NSG 18, NSG 21, NSG 22, NSG 23, NSG 24 and NSG 28
Co-requisite(s): NSG 31, NSG 32, NSG 35 and NSG 36
Transfer Status: CSU
34 hours Lecture
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.

NSG 41 - Clinical Nursing III 7 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 42, NSG 43, NSG 44, NSG 47 and NSG 49
Transfer Status: CSU
357 hours Lab
This course is a continuation of hospital clinical experience with a concentration on adult Medical-Surgical Nursing. Pass/No Pass Only.

NSG 42 - Maternal Child Nursing 2 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 41, NSG 43, NSG 44, NSG 47 and NSG 49
Transfer Status: CSU
34 hours Lecture
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.

NSG 43 - Neurological and Rehabilitation Nursing 2 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 41, NSG 42, NSG 44, NSG 47 and NSG 49
Transfer Status: CSU
34 hours Lecture
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.

NSG 44 - Psych/Mental Health Nursing 2 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 41, NSG 42, NSG 43, NSG 47 and NSG 49
Transfer Status: CSU
34 hours Lecture
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.

NSG 47 - Oncology Nursing 2 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 41, NSG 42, NSG 43 and NSG 49
Transfer Status: CSU
34 hours Lecture
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.

NSG 49 - Role Development and Vocational Relations/Leadership 2 Unit(s)
Prerequisite(s): NSG 31, NSG 32, NSG 35, NSG 36 and NSG 37
Co-requisite(s): NSG 41, NSG 42, NSG 43, NSG 44 and NSG 47
Transfer Status: CSU
34 hours Lecture
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.

NSG 50 - Principles of I.V. Therapy and Blood Withdrawal 2 Unit(s)
Prerequisite(s): Graduate Vocational Nurse or Licensed Vocational Nurse
Transfer Status: CSU
29 hours Lecture / 9 hours Lab
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.

NSG 54 - Foundations of Practice 3 Unit(s)
Prerequisite(s): Admission to Associate Degree Nursing Program
Co-requisite(s): NSG 55, NSG 56
Transfer Status: CSU
51 hours Lecture
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. Graded Only.

NSG 55 - Medical Surgical Nursing I 4 Unit(s)
Prerequisite(s): Admission to Associate Degree Nursing Program
Co-requisite(s): NSG 54, NSG 56
Transfer Status: CSU
68 hours Lecture
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.

NSG 56 - Clinical Nursing I 5 Unit(s)
Prerequisite(s): Admission to Associate Degree Nursing Program
Co-requisite(s): NSG 54, NSG 55
Transfer Status: CSU
272 hours Lab
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 Only.

Butte College 2018-2019 Catalog 229
NSG 60 - Maternity Nursing 2 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56
Co-requisite(s): NSG 62, NSG 63, NSG 66
Transfer Status: CSU
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.

NSG 61 - Pharmacology 2 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 67, NSG 68, NSG 69
Transfer Status: CSU
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.

NSG 62 - Medical-Surgical Nursing II 4 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56
Co-requisite(s): NSG 60, NSG 63, NSG 66
Transfer Status: CSU
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.

NSG 63 - Pediatric Nursing 2 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56
Co-requisite(s): NSG 60, NSG 62, NSG 66
Transfer Status: CSU
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.

NSG 64 - Transition to ADN Nursing I 1 Unit(s)
Prerequisite(s): Currently licensed as a Licensed Vocational Nurse
Transfer Status: CSU
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.

NSG 65 - Transition to ADN Nursing II 3 Unit(s)
Prerequisite(s): Currently licensed as a Licensed Vocational Nurse
Transfer Status: CSU
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. Graded Only.

NSG 66 - Clinical Nursing II 5 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56
Co-requisite(s): NSG 60, NSG 62, NSG 63
Transfer Status: CSU
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 Only.

NSG 67 - Complex Medical/Surgical Nursing III 4 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 61, NSG 68, NSG 69
Transfer Status: CSU
This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses. Studies 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.

NSG 68 - Clinical Nursing III 5 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 61, NSG 67, NSG 69
Transfer Status: CSU
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 Only.

NSG 69 - Gerontology/Community Based Nursing 2 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 61, NSG 67, NSG 68
Transfer Status: CSU
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.

NSG 74 - Associate Degree Nursing Capstone 2 Unit(s)
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69
Co-requisite(s): NSG 77, NSG 78, NSG 79
Transfer Status: CSU
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. Graded Only.
NSG 77 - Complex Medical/Surgical Nursing IV  
4 Unit(s)  
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69  
Co-requisite(s): NSG 74, NSG 78, NSG 79  
Transfer Status: CSU  
68 hours Lecture  
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.  

NSG 78 - Clinical Nursing IV  
5 Unit(s)  
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69  
Co-requisite(s): NSG 74, NSG 77, NSG 79  
Transfer Status: CSU  
272 hours Lab  
This course is an exploration of the various preventive and treatment methods used within interdisciplinary settings for persons experiencing various psychiatric/developmental 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 Only.  

NSG 79 - Mental Health/Psychiatric Nursing  
2 Unit(s)  
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69  
Co-requisite(s): NSG 74, NSG 77, NSG 78  
Transfer Status: CSU  
34 hours Lecture  
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.  

NSG 88 - Med/Surg III (30 Unit Option)  
2 Unit(s)  
Prerequisite(s): Admission to ADN Program, NSG 64  
Co-requisite(s): NSG 61, NSG 68, NSG 69  
Transfer Status: CSU  
34 hours Lecture  
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.  

NSG 89 - Med/Surg IV (30 Unit Option)  
2 Unit(s)  
Prerequisite(s): NSG 61, NSG 68, NSG 69, NSG 88  
Co-requisite(s): NSG 74, NSG 78, NSG 79  
Transfer Status: CSU  
34 hours Lecture  
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.  

NSG 97 - Special Problems-NSG  
1 - 3 Unit(s)  
Prerequisite(s): Permission of instructor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.  

NSG 99 - Work Experience-NSG  
1 - 8 Unit(s)  
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.  

NSG 100 - CNA Basic Nursing Care, Theory  
3.5 Unit(s)  
Prerequisite(s): Admission to Nursing Assistant Program  
Co-requisite(s): NSG 101  
Recommended Prep: Reading Level II; English Level III; Math Level II  
Transfer Status: NT  
60 hours Lecture  
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.  

NSG 101 - CNA Basic Nursing Care, Clinical  
3 Unit(s)  
Prerequisite(s): Admission to the Nursing Assistant Program  
Co-requisite(s): NSG 100  
Recommended Prep: Reading Level II; English Level III; Math Level II  
Transfer Status: NT  
153 hours Lab  
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 Only.  

NSG 102 - CNA Acute Care  
4 Unit(s)  
Prerequisite(s): NSG 100, NSG 101 or a Current CNA License  
Recommended Prep: Reading Level II; English Level III; Math Level II  
Transfer Status: NT  
51 hours Lecture / 68 hours Lab  
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. Graded Only.  

NSG 103 - Home Health Aide for the CNA  
1.5 Unit(s)  
Prerequisite(s): NSG 100, NSG 101 or a Current CNA License  
Recommended Prep: Reading Level II; English Level III; Math Level II  
Transfer Status: NT  
22 hours Lecture / 22 hours Lab  
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.
### Occupational and Life Skills (OLS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Transfer Status</th>
<th>Hours Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLS 323</td>
<td>Occupational and Academic Assessment</td>
<td>0</td>
<td></td>
<td>NT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recommended Prep: Special Education K-12</td>
<td></td>
<td></td>
<td></td>
<td>80 hours Lab</td>
</tr>
<tr>
<td>OLS 324</td>
<td>Workplace Communication</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>85 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course provides training for students in the areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>of workplace culture and environment. Topics include</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>interpersonal skills development, professional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>conduct, workplace communication, safety, and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>problem-solving job readiness skills. Limited</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>repeats. Satisfactory/Unsatisfactory Only. Open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 325</td>
<td>Literacy for Career Building</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>85 hours Lab</td>
</tr>
<tr>
<td></td>
<td>Vocational and academic language skills development</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>for students seeking employment. Strategies for</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>pre-writing, organization of text, and comprehension</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>skills are emphasized to prepare job applications,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>cover letters, resumes, and business specific</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>literature. Unlimited repeats. Satisfactory/Unsatisf-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>actory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 326</td>
<td>Mathematics within Industry</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>85 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course prepares students for mathematical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>concepts encountered in various trades. These concepts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>include, but are not limited to, money skills,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>measurements, temperatures, computing taxes,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>decimals, and estimating dollar amounts and volume of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>materials needed to complete a task. Unlimited</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>repeats. Satisfactory/Unsatisfactory Only. Open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 327</td>
<td>Career Exploration</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>51 hours Lab</td>
</tr>
<tr>
<td></td>
<td>In this course students develop career exploration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>skills that will help them select an occupational</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>training experience in OLS 329. Emphasis is placed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>on one of the occupational certifications in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>carpentry, customer service, food service,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>greenhouse operations, hospitality, retail sales,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>small engine repair, and warehousing. Activities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>include career planning, accessing computerized</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>information systems for job searches, career</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>decision making, and goal setting. Career and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>labor market resources and job information are</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>presented. Unlimited repeats. Satisfactory/Unsatisfac-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 328</td>
<td>Strategies for Employment</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>51 hours Lab</td>
</tr>
<tr>
<td></td>
<td>In this course introduces students to a variety of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>strategies to help them to be more successful in the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>workplace. These strategies include, but are not</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>limited to, preparation for interviews and follow-up</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>time management, task organization, job search,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>development of job leads, and memorization. Unlimited</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>repeats. Satisfactory/Unsatisfactory Only. Open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 329</td>
<td>Occupational Certification Workshop</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>51 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course provides certification in an area of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>study selected by the student for the purpose of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>preparing to obtain employment in one of the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>following topic areas: customer service, food</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>service, greenhouse and nursery operations,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>hospitality, irrigation, retail sales, small</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>engine repair, and warehousing. Unlimited repeats.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 330</td>
<td>Experiential Vocational Training</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>100 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course students apply the life skills learned</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>in the Occupational and Life Skills program and the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>occupation specific skills learned in OLS 329, in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>either a paid or non-paid position within a for profit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or nonprofit business. Students are required to work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 hours in a paid or non-paid position to fulfill</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the requirements for the Occupational and Life Skills</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Certificate. Unlimited repeats. Satisfactory/Unsatisf-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>actory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 350</td>
<td>Product Assembly/Light Manufacturing</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>510 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course is designed to support the educational</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>needs of those seeking employment in the light</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>manufacturing/assembly industry. Topics include light</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>manufacturing tasks such as product assembly,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>packaging, shipping, and the basics of order</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>fulfillment. Unlimited repeats. Satisfactory/Unsatis-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>factory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 351</td>
<td>Industrial Woodworking</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>510 hours Lab</td>
</tr>
<tr>
<td></td>
<td>In a wood shop environment, students with disabilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>will learn to use a variety of power and hand tools</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>associated with the trade. The focus of the course</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>includes the following areas of study: quality</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>assurance, type and amount of project materials</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>needed, and wood product construction and finishing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>techniques. Unlimited repeats. Satisfactory/Unsatisfac-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 353</td>
<td>Landscaping Services</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>510 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course trains students in the basic procedures</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and techniques of landscaping. Topics include lawn</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and yard care techniques, equipment maintenance,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>safety, good work habits, customer service skills,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and landscape installation. Unlimited repeats.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 354</td>
<td>Commercial Sewing</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>510 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course prepares students for employment in the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>industrial sewing business. Instruction consists of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the basics of sewing and more intricate procedures</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>such as piping, applying bias tape, adding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>button holes, and inserting elastic. Students will</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>work with various types of machines used within the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>industry. Unlimited repeats. Satisfactory/Unsatisfac-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>tory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLS 355</td>
<td>Recycling Services</td>
<td>0</td>
<td></td>
<td>NT</td>
<td>510 hours Lab</td>
</tr>
<tr>
<td></td>
<td>This course prepares students for employment in the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>recycling industry. Basic procedures for processing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>recyclable materials are emphasized. Topics include</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>safety, learning to operate the horizontal and vertical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>balers, glass crusher, pallet jack, barrel dolly, and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>computerized weighing scales. Unlimited repeats.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Philosophy (PHIL)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Transfer Status</th>
<th>Hours Lecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 2</td>
<td>Introduction to Philosophy</td>
<td>3</td>
<td>Reading Level V, English Level IV</td>
<td>CSU/UC</td>
<td>51 hours</td>
</tr>
<tr>
<td></td>
<td>This course is an introduction to</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the nature of philosophical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>thought and skills. Issues that</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>traditionally have been of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>central importance in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>philosophical inquiry will</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>be emphasized. These include the</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>nature and limits of knowledge,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reality, and values.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PHIL 5 - Environmental Ethics 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

PHIL 6 - Introduction To Logic 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
A study of traditional logic with both deductive and inductive reasoning, syllogisms, and fallacies. Practical application of basic skills in orderly and accurate reasoning and communication.

PHIL 8 - Methods of Argument 3 Unit(s)
Prerequisite(s): ENGL 2
Transfer Status: CSU/UC
51 hours Lecture
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.

PHIL 16 - Western Religions 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

PHIL 18 - Eastern Religions 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

PHIL 58 - Teaching About Religion 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU
51 hours Lecture
An introduction to the Abrahamic religions of Judaism, Christianity, and Islam, along with the major religious traditions of India and Asia, within the context of a practical exploration of the moral, legal, and educational issues raised in teaching about religions in public schools in the United States.

PHIL 95 - Special Studies-PHIL 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Photography (PHO)

Course Families
Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.
Photography : PHO 2, 4, 6

PHO 1 - History of Photography 3 Unit(s)
Transfer Status: CSU/UC
51 hours Lecture
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.

PHO 2 - Introduction to Photography 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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 (film and digital), materials and equipment, and contemporary trends in photography.

PHO 4 - Color Photography 3 Unit(s)
Prerequisite(s): PHO 2
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
This course introduces students to the principles of producing quality digital prints. Topics include color balance, color temperature and the psychology of color. Students will also explore the expressive and aesthetic aspects of digital color photography.

PHO 6 - Black and White Photography 3 Unit(s)
Prerequisite(s): PHO 2
Transfer Status: CSU/UC
34 hours Lecture / 51 hours Lab
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.

PHO 7 - Stock Photography 3 Unit(s)
Prerequisite(s): PHO 2
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.

PHO 8 - Commercial Photography 3 Unit(s)
Prerequisite(s): PHO 2
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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 a 4x5 digital camera and studio lighting systems to produce commercial quality photographs.

PHO 11 - Alternative Photographic Processes 3 Unit(s)
Prerequisite(s): PHO 2
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.
### Course Descriptions

**PHO 14 - Introduction to Photographic Portfolios and Books**  
3 Unit(s)  
**Prerequisite(s):** PHO 4  
Transfer Status: CSU 34 hours Lecture / 51 hours Lab  
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.

**PHO 15 - Introduction to Adobe Lightroom**  
3 Unit(s)  
Transfer Status: CSU 34 hours Lecture / 51 hours Lab  
This course is an introduction to digital asset management and digital image processing using Lightroom. Topics include techniques to integrate Lightroom with other software image editing software to manage, adjust, and present large volumes of digital photographs.

**PHO 20 - Photoshop for Photographers**  
3 Unit(s)  
Transfer Status: CSU 34 hours Lecture / 51 hours Lab  
This course is an introduction to Adobe Photoshop for digital photography 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.

**PHO 95 - Special Studies-PHO**  
1 - 3 Unit(s)  
**Prerequisite(s):** Permission of instructor  
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

**PHO 99 - Work Experience-PHO**  
1 - 8 Unit(s)  
**Prerequisite(s):** Permission of Cooperative Work Experience Education instructor and employment supervisor  
Transfer Status: CSU  
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

### Physics (PHYS)

**PHYS 10 - Concepts of Physics**  
3 Unit(s)  
**Recommended Prep:** Reading Level IV; English Level IV; Math Level IV  
Transfer Status: CSU/UC 51 hours Lecture  
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.

**PHYS 11 - Concepts of Physics Laboratory**  
1 Unit(s)  
**Prerequisite(s):** PHYS 10 (or concurrent enrollment)  
Transfer Status: CSU/UC 51 hours Lab  
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.

**PHYS 21 - College Physics I**  
4 Unit(s)  
**Prerequisite(s):** MATH 20 or high school trigonometry  
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab  
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.

**PHYS 22 - College Physics II**  
4 Unit(s)  
**Prerequisite(s):** PHYS 21  
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab  
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.

**PHYS 41 - Physics for Scientists and Engineers I**  
4 Unit(s)  
**Prerequisite(s):** MATH 30  
**Recommended Prep:** High school physics  
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab  
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.

**PHYS 42 - Physics for Scientists and Engineers II**  
4 Unit(s)  
**Prerequisite(s):** PHYS 41, MATH 31  
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab  
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.

**PHYS 43 - Physics for Scientists and Engineers III**  
4 Unit(s)  
**Prerequisite(s):** PHYS 41, MATH 31  
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab  
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.

**PHYS 51 - Problem Solving Strategies for PHYS 41**  
1 Unit(s)  
**Co-requisite(s):** PHYS 41  
Transfer Status: CSU 51 hours Lab  
This course is a 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 Only.

**PHYS 52 - Problem Solving Strategies for PHYS 42**  
1 Unit(s)  
**Co-requisite(s):** PHYS 42  
Transfer Status: CSU 51 hours Lab  
This course is a 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 Only.
PHYS 95 - Special Studies-PHYS 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

Political Science (POS)

POS 2 - United States Government 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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).

POS 3 - Comparative Politics 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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).

POS 12 - California State and Local Government 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
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.

POS 16 - Vital Political Problems 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
An introduction to political science designed to familiarize students with basic political concepts, political ideologies, political systems, and subfields within political science.

POS 18 - International Relations 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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).

POS 95 - Special Studies-POS 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

POS 99 - Work Experience-POS 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Physical Science (PSC)

PSC 10 - Introduction to Environmental Science 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab
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.

PSC 11 - Earth Science with Lab 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab
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).

PSC 12 - Concepts in Physical Science 4 Unit(s)
Prerequisite(s): MATH 108 or MATH 116
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture / 51 hours Lab
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).

PSC 20 - Introductory Physical Science 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

Butte College 2018-2019 Catalog 235
PSC 21 - Introductory Physical Science Laboratory
Prerequisite(s): PSC 20 (or concurrent enrollment)
Transfer Status: CSU/UC
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.

PSC 30 - Introductory Astronomy
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC
This course will introduce students to the measurements, techniques, and terminology used to describe the physical environment. 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.

PSC 50 - Introduction to Weather
Transfer Status: CSU/UC
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.

PSC 51 - Weather Lab
Prerequisite(s): PSC 50 (or concurrent enrollment)
Transfer Status: CSU/UC
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.

PSC 53 - Natural Disasters and Hazards
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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.

PSC 95 - Special Studies-PSC
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

PSY 1 - Principles of Psychology
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
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).

PSY 3 - Introduction to Biological Psychology
Prerequisite(s): PSY 1
Transfer Status: CSU/UC
This course introduces the scientific study of the biological bases of behavior and its fundamental role in the nervous systems. 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).

PSY 6 - Abnormal Psychology
Transfer Status: CSU/UC
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).

PSY 7 - Introduction to Research Methods in Psychology
Prerequisite(s): PSY 1, MATH 18
Recommended Prep: SOC 2 and Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC
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).
PSY 10 - Peace and Global Studies Capstone  1 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU  17 hours Lecture
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.

PSY 11 - Peace Psychology  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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 peace-making and peace building promotes understanding, empathy, and compassion for personal, social, global, and environmental justice.

PSY 15 - Lifespan Psychology  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC  51 hours Lecture
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).

PSY 16 - Psychology of Women  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC  51 hours Lecture
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.

PSY 20 - Personal and Social Growth and Wellness  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU  51 hours Lecture
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.

PSY 24 - Psychology of Sleep, Dreams and Archetypes  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU  51 hours Lecture
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.

PSY 34 - Eastern Psychology: Traditions and Practices  3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU  34 hours Lecture / 51 hours Lab
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.

PSY 36 - Psychology of Meditation and Mindfulness  3 Unit(s)
Transfer Status: CSU  34 hours Lecture / 51 hours Lab
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.

PSY 41 - Socio-Cultural Context of Psychological Development  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC  51 hours Lecture
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.

PSY 95 - Special Studies-PSY  1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

PSY 99 - Work Experience-PSY  1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.
Reading (READ)

READ 2 - Speed Reading  3 Unit(s)
Prerequisite(s): READ 127
Transfer Status: CSU
51 hours Lecture
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.

READ 95 - Special Studies-READ  1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

READ 126 - College Success Skills  3 Unit(s)
Transfer Status: NT
51 hours Lecture
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.

READ 127 - Reading for College Success  3 Unit(s)
Prerequisite(s): READ 225
Transfer Status: NT
51 hours Lecture
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.

READ 223 - Strengthening Reading I  3 Unit(s)
Transfer Status: NT
51 hours Lecture
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. Pass/No Pass Only.

READ 225 - Strengthening Reading II  3 Unit(s)
Prerequisite(s): READ 223
Transfer Status: NT
51 hours Lecture
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 Only.

Real Estate (RLS)

RLS 20 - Real Estate Principles  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.

RLS 25 - Real Estate Practices  3 Unit(s)
Transfer Status: CSU
51 hours Lecture
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.

RLS 30 - Legal Aspects of Real Estate  3 Unit(s)
Transfer Status: CSU
51 hours Lecture
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 Bureau of Real Estate (BRE) requirement that students pass a college-level "Legal Aspects of Real Estate" course prior to taking the Real Estate Broker License Exam.

RLS 35 - Real Estate Appraisal  3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU
51 hours Lecture
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.
RLS 40 - Real Estate Finance 3 Unit(s)
Prerequisite(s): RLS 20 (or concurrent enrollment)
Transfer Status: CSU
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.

RLS 45 - Real Estate Economics 3 Unit(s)
Prerequisite(s): RLS 20 (or concurrent enrollment)
Transfer Status: CSU
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.

RLS 50 - Escrow Procedures 3 Unit(s)
Prerequisite(s): RLS 20 (or concurrent enrollment)
Transfer Status: CSU
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 can fulfill an elective course requirement of the California Department of Real Estate (DRE) for those taking the Real Estate Salesperson and Broker Exams.

RLS 55 - Property Management 3 Unit(s)
Prerequisite(s): RLS 20 (or concurrent enrollment)
Transfer Status: CSU
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 can fulfill an elective course requirement of the California Department of Real Estate (DRE) for those taking the Real Estate Salesperson and Broker Exams.

RLS 60 - Real Estate Mortgage Brokerage 3 Unit(s)
Prerequisite(s): RLS 20 (or concurrent enrollment)
Transfer Status: CSU
This 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 can fulfill an elective course requirement of the California Department of Real Estate (DRE) for those taking the Real Estate Salesperson and Broker Exams.

RLS 99 - Work Experience-RLS 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

RT 97 - Special Problems-RT 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

RT 99 - Work Experience-RT 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

RT 110 - Fundamentals of Respiratory Care 7 Unit(s)
Prerequisite(s): Admission to the RT Program
Transfer Status: NT
102 hours Lecture / 51 hours Lab
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.

RT 115 - Clinical Preparation for Respiratory Care 0.5 Unit(s)
Prerequisite(s): RT 110, ALH 6, ENGL 2, CMST 2 or CMST 2H or CMST 4
Transfer Status: NT
36 hours Lab
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.

RT 120 - Concepts in Respiratory Care 7 Unit(s)
Prerequisite(s): RT 115
Co-requisite(s): RT 125, RT 128
Transfer Status: NT
102 hours Lecture / 51 hours Lab
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.
RT 125 - Introduction to Clinical Respiratory Care 5 Unit(s)
Prerequisite(s): RT 115
Co-requisite(s): RT 120, RT 128
Transfer Status: NT
272 hours Lab
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.

RT 128 - Respiratory Care Pharmacology 3 Unit(s)
Prerequisite(s): RT 115
Co-requisite(s): RT 120, RT 125
Transfer Status: NT
51 hours Lecture
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.

RT 135 - Fundamentals of Clinical Respiratory Care 3.5 Unit(s)
Prerequisite(s): RT 120, RT 125, RT 128
Transfer Status: NT
30 hours Lecture / 96 hours Lab
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.

RT 140 - Fundamentals of Intensive Respiratory Care 6 Unit(s)
Prerequisite(s): RT 135
Co-requisite(s): RT 142, RT 145
Transfer Status: NT
85 hours Lecture / 51 hours Lab
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.

RT 142 - Neonatal and Pediatric Respiratory Care 3 Unit(s)
Prerequisite(s): RT 135
Co-requisite(s): RT 140, RT 145
Transfer Status: NT
51 hours Lecture
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.

RT 145 - Advanced Respiratory Care Procedures 5 Unit(s)
Prerequisite(s): RT 135
Co-requisite(s): RT 140, RT 142
Transfer Status: NT
272 hours Lab
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.

RT 155 - Respiratory Care Practicum I 2 Unit(s)
Prerequisite(s): RT 140, RT 142, RT 145
Transfer Status: NT
118 hours Lab
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.

RT 160 - Respiratory Care Seminar II 4 Unit(s)
Prerequisite(s): RT 155
Co-requisite(s): RT 165
Transfer Status: NT
68 hours Lecture
This course is designed to explore the historical, contemporary and technical issues germane 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.

RT 165 - Respiratory Care Practicum II 8 Unit(s)
Prerequisite(s): RT 155
Co-requisite(s): RT 160
Transfer Status: NT
408 hours Lab
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.

Radio, TV, Film (RTVF)

RTVF 12 - Mass Media and Society 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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).

RTVF 13 - Exploring Contemporary Television 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
The course introduces students to contemporary American television (TV) programming including daytime drama, situation comedy, westerns, police and mystery, medical/legal and advertising. TV content will be looked at from a variety of perspectives including social, cultural, political, historical, and economic to explore how television impacts culture and the individual.

RTVF 14 - Introduction to Media Writing 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

RTVF 15 - Introduction to Film 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC
51 hours Lecture
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.

RTVF 30 - Digital Audio Production 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU
34 hours Lecture / 51 hours Lab
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.
Course Descriptions

RTVF 40 - Digital Video Production 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU

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, postproduction, and exhibition/distribution.

RTVF 55 - Music Video Production 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level I
Transfer Status: CSU

This course introduces students to the process of producing video and audio recordings of live musical performances. Students will work as the television studio crew recording live musical performances and will learn basic techniques including lighting, sound recording, video directing, camera operations, and production planning.

RTVF 97 - Special Problems-RTVF 1 - 3 Unit(s)
Prerequisite(s): Permission of Instructor
Transfer Status: CSU

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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

RTVF 99 - Work Experience-RTVF 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU

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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Sociology (SOC)

SOC 2 - Principles of Sociology 3 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU/UC

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).

SOC 4 - Modern Social Problems 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC

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).

SOC 5 - Our Sustainable Future 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC

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 biosphere; 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 reimagining 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.

SOC 6 - Introduction to Marriage, Family and Intimate Relationships 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU/UC

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).

SOC 10 - Introduction to Crime and Society 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU/UC

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).

SOC 14 - Sociology of Gender 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU/UC

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).

SOC 20 - Introduction to Race and Ethnicity 3 Unit(s)
Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU/UC

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).

SOC 30 - Sociology of Inequality 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC

This course is an analysis of social stratification and its effect 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.
SOC 55 - Sustainability Studies Seminar  2 Unit(s)
Co-requisite(s): Completion of/or concurrent enrollment in a minimum of 3 courses from Sustainability Studies Certificate Program.
Transfer Status: CSU
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. Graded Only.

SOC 95 - Special Studies-SOC  1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

SOC 99 - Work Experience-SOC  1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employment supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

Spanish (SPAN)

SPAN 1 - First Semester Spanish  4 Unit(s)
Recommended Prep: Reading Level III, English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

SPAN 2 - Second Semester Spanish  4 Unit(s)
Prerequisite(s): SPAN 1
Recommended Prep: Reading Level III, English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

SPAN 3 - Third Semester Spanish  4 Unit(s)
Prerequisite(s): SPAN 2
Recommended Prep: Reading Level IV, English Level III
Transfer Status: CSU/UC
68 hours Lecture
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.

SPAN 4 - Fourth Semester Spanish  4 Unit(s)
Prerequisite(s): SPAN 3
Recommended Prep: Reading Level III, English Level III
Transfer Status: CSU/UC
68 hours Lecture
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 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 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.

SPAN 14 - Hispanic Short Stories  3 Unit(s)
Prerequisite(s): SPAN 3
Recommended Prep: Reading Level III, English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.

SPAN 16 - Hispanic Film  3 Unit(s)
Prerequisite(s): SPAN 3
Recommended Prep: Reading Level IV, English Level III
Transfer Status: CSU/UC
51 hours Lecture
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.
### Special Education (SPE)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Co-requisites</th>
<th>Transfer Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 100</td>
<td>Special Education Regulations in the Workplace</td>
<td>2</td>
<td></td>
<td>SPED 101</td>
<td>CSU</td>
</tr>
<tr>
<td>WLD 20</td>
<td>Beginning Welding</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WKE 198</td>
<td>General Work Experience</td>
<td>1-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SPAN 100 - Beginning Conversational Spanish
3 Unit(s)
Transfer Status: NT
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.

### SPAN 101 - Intermediate Conversational Spanish
3 Unit(s)
Recommended Prep: SPAN 100
Transfer Status: NT
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.

### Special Education Training (SPED)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Co-requisites</th>
<th>Transfer Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 101</td>
<td>Teaching Adults with Disabilities</td>
<td>2</td>
<td></td>
<td>SPED 100</td>
<td>NT</td>
</tr>
<tr>
<td>WKE 198</td>
<td>General Work Experience</td>
<td>1-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 20</td>
<td>Beginning Welding</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SPE 320 - Independent Living Skills for Persons with Substantial Disabilities
0 Unit(s)
Recommended Prep: Special Education K-12
Transfer Status: NT
This course provides independent living training for persons with substantial disabilities. Independent Living Skills focuses on establishing/maintaining a positive lifestyle, opportunity to progress to the highest level of independent functioning, and hands on 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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

### SPE 322 - Group Social Growth for Persons with Substantial Disabilities
0 Unit(s)
Recommended Prep: Special Education K-12
Transfer Status: NT
This course provides group socialization training for persons with substantial disabilities through group interaction and practice. Group Social Growth focuses on team building skills, interacting in group settings, and promoting companionship. Topics include group socialization, 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. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

### WLD 20 - Beginning Welding
4 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU
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.

---

**Butte College 2018-2019 Catalog**

243
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Recommended Prep.</th>
<th>Transfer Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD 21</td>
<td>Intermediate Welding</td>
<td>4</td>
<td>WLD 20</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 153 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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 (CA) 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 22</td>
<td>Oxyacetylene Welding and Flame Cutting</td>
<td>2</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 24</td>
<td>Shielded Metal Arc Welding (Stick Electrode)</td>
<td>8</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 25</td>
<td>Fabrication Practicums</td>
<td>2</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 26</td>
<td>Symbol Reading, Blue Print Interpretation and</td>
<td>3</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td>Computation</td>
<td></td>
<td></td>
<td>17 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 28</td>
<td>Mig and Tig Arc Welding</td>
<td>3</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 30</td>
<td>Heavy Plate Welding</td>
<td>3</td>
<td>WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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&quot; to 3&quot; thick). 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 32</td>
<td>Integrated Welding Applications</td>
<td>3</td>
<td>WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 153 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 34</td>
<td>Pipe and Tube Welding</td>
<td>4</td>
<td>WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 153 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 36</td>
<td>Welder Qualification</td>
<td>3</td>
<td>WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 102 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLD 40</td>
<td>Welding Equipment Maintenance and Service</td>
<td>2</td>
<td>WLD 21 and NCCER Level I Welding Qualification</td>
<td></td>
<td>CSU</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17 hours Lecture / 51 hours Lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WLD 42 - Introduction to Welding Inspection 2 Unit(s)
Prerequisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Co-requisite(s): WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 56, WLD 156
Transfer Status: CSU
34 hours Lecture
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).

WLD 50 - Pipe Fitting and Cutting 2 Unit(s)
Prerequisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 154 and NCCER Level II Welding Qualification
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU
17 hours Lecture / 51 hours Lab
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.

WLD 55 - Power Generation and Petroleum Chemical Pipe & Tube Welding 5 Unit(s)
Prerequisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 40, WLD 42 and WLD 50, WLD 56 and NCCER Level III Welding Qualification
Co-requisite(s): WLD 158
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU
17 hours Lecture / 204 hours Lab
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.

WLD 56 - Welding Industry Employment Preparation 3 Unit(s)
Prerequisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Co-requisite(s): WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 156
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU
51 hours Lecture
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.

WLD 97 - Special Problems-WLD 1 - 3 Unit(s)
Prerequisite(s): Permission of instructor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 3.00 units.

WLD 99 - Work Experience-WLD 1 - 8 Unit(s)
Prerequisite(s): Permission of Cooperative Work Experience Education instructor and employer supervisor
Transfer Status: CSU
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 8.00 units.

WLD 150 - Shop Practices for Beginning Welders 0.5 - 1 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
25.5 - 51 hours Lab
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 152 - Shop Practices for Intermediate Welders 0.5 - 1 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
25.5 - 51 hours Lab
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 154 - Shop Practices for Welders I 1 - 2 Unit(s)
Recommended Prep: WLD 21 and NCCER Level I Welding Qualification
Transfer Status: NT
51 - 102 hours Lab
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 2.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 156 - Shop Practices for Welders II 1 - 2 Unit(s)
Recommended Prep: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Transfer Status: NT
51 - 102 hours Lab
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 2.00 units. Pass/No Pass Only. Open Entry/Open Exit.
WLD 158 - Shop Practices for Pipe and Tube Welders 0.5 - 1 Unit(s)
Prerequisite(s): 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 and NCCER Level III Welding Qualification
Co-requisite(s): WLD 55
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 159 - Shop Practices for Advanced Pipe Welders 0.25 - 1 Unit(s)
Prerequisite(s): WLD 156 or WLD 158
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 160 - Welding Certification Practices 1 - 2 Unit(s)
Prerequisite(s): WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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 arc welding (FCAW), 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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 2.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 162 - Pipe and Tube Welding Certification Practices 1 - 2 Unit(s)
Prerequisite(s): WLD 55, WLD 158
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 2.00 units. Pass/No Pass Only. Open Entry/Open Exit.

WLD 164 - Welding Recertification Practices 0.25 - 1 Unit(s)
Prerequisite(s): WLD 160 or WLD 162
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT
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. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated to a maximum of 1.00 units. Pass/No Pass Only. Open Entry/Open Exit.
District Board of Trustees

Area 1 Oroville
  John Dahlmeier 2016-2018
Area 2 Chico
  William McGinnis 2016-2020
Area 3 Chico
  Rick Krepelka 2016-2020
Area 4 Gridley
  Michael Boeger 2014-2018
Area 5 Paradise
  John Blacklock 2016-2018
Area 6 Glenn County
  Fred R. Perez 2014-2018
Area 7 Glenn County
  Eugene Massa 2016-2020

College Faculty and Administration

Office of the President
Dr. Samia Yaqub
  Superintendent/President
Planning, Research, and Organizational Development
Les Jauron
  Vice President
Administration
Andy Suleski
  Vice President, Chief Business Officer
Instruction
Virginia Guleff
  Vice President
Student Services
Allen Renville
  Vice President

Adams, Denise (2007)
  Dean of Instruction
  B.S., M.A., 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
Artstein-McNassar, Melissa (2017)
  Anthropology
  B.A., University of Nevada, Las Vegas
  M.A., Ph.D., Washington State 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
Barber, Christina (2009)
  Communication Studies
  B.A., M.A., CSU, Sacramento
  M.A., University of Kent at Canterbury
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
  Mathematics
  B.A., CSU, Chico
  M.S., University of New Hampshire
Birdsall, Jo Anna (1997)
  Dean, Career Services and Special Programs
  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., CSU, Santa Cruz
Browne, April (2015)
  Computer Science
  B.S., Humboldt State University
  M.S., CSU, Chico
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
Chagoya, Sandoval (2003)
  Director, Public Relations and Marketing, CCCCTC
  B.A., CSU, Chico
  M.S., Drexel University
Christensen, Patrick (2003)
  Accounting, Chairperson, Business
  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
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeMaggio, Steven (2010)</td>
<td>Director, Auxiliary Services</td>
<td>B.A., CSU, Chico</td>
</tr>
<tr>
<td>Dev, Sanjay Kumar (1990)</td>
<td>Mathematics</td>
<td>B.S., M.S., CSU, Chico</td>
</tr>
<tr>
<td>Dewey, Shannamar (2017)</td>
<td>Biology</td>
<td>M.S., Ph.D., UC, Davis</td>
</tr>
<tr>
<td>Dillard, Jaimie (2010)</td>
<td>Director, DSPS</td>
<td>A.S., Pima Community College</td>
</tr>
<tr>
<td>Donnelly, Daniel (2002)</td>
<td>Multimedia Studies</td>
<td>M.S., University of La Verne</td>
</tr>
<tr>
<td>Doyle, Teresa (2017)</td>
<td>Dean of Instruction</td>
<td>B.A., M.A., CSU, Chico</td>
</tr>
<tr>
<td>Dressen, Bradley (2003)</td>
<td>Automotive Technology</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Dunn, Elizabeth (2016)</td>
<td>Accounting</td>
<td>B.A., Cal Poly, Pomona</td>
</tr>
<tr>
<td>Edwards, Vance (2014)</td>
<td>Program Coordinator, Foster Youth Support</td>
<td>A.A., Philadelphia Community College</td>
</tr>
<tr>
<td>Emmons, Molly (2005)</td>
<td>English</td>
<td>B.A., University of Oregon</td>
</tr>
<tr>
<td>Enyeart, Bruce (1996)</td>
<td>Mechanized Agriculture</td>
<td>B.S., Washington State University</td>
</tr>
<tr>
<td>Fanucchi, Jonathan (2015)</td>
<td>Project Manager</td>
<td>B.S., CSU, Chico</td>
</tr>
<tr>
<td>Ferguson, Colin (2002)</td>
<td>Geology, Physical Science</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Fischer, Linda (2015)</td>
<td>Computer Science</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Frederick, Kelly (2013)</td>
<td>English</td>
<td>B.A., Sonoma State University</td>
</tr>
<tr>
<td>Gallagher, Laurie (2016)</td>
<td>Transfer Center Counselor</td>
<td>B.A., M.A., CSU, Chico</td>
</tr>
<tr>
<td>Geary, Rudolph (1991)</td>
<td>EOJS Counselor</td>
<td>B.A., UC, Davis</td>
</tr>
<tr>
<td>Germar, Tia (2016)</td>
<td>Reference Librarian</td>
<td>B.A., San Francisco State University</td>
</tr>
<tr>
<td>Giannini, Scott (2016)</td>
<td>Mathematics</td>
<td>B.S., M.S., CSU, Chico</td>
</tr>
<tr>
<td>Goodson, David (2001)</td>
<td>Retention Specialist</td>
<td>B.S., CSU, Chico</td>
</tr>
<tr>
<td>Gomes, Lynda (2016)</td>
<td>Nursing, Simulation Coordinator</td>
<td>B.S.N, M.S.N, CSU, Chico</td>
</tr>
<tr>
<td>Gripenstraw, Suzanne (2006)</td>
<td>Dean of Instruction</td>
<td>B.A., University of Arizona</td>
</tr>
<tr>
<td>Clark, Miya (1996)</td>
<td>Coordinator, Center for Academic Success</td>
<td>B.A., M.A., CSU, Chico</td>
</tr>
<tr>
<td>Coleman, Jennifer (2014)</td>
<td>Director, Statewide Programs, CCCTC</td>
<td>A.A., Mendocino Community College</td>
</tr>
<tr>
<td>Dev, Sanjay Kumar (1990)</td>
<td>Mathematics</td>
<td>B.S., M.S., CSU, Chico</td>
</tr>
<tr>
<td>Dewey, Shannamar (2017)</td>
<td>Biology</td>
<td>M.S., Ph.D., UC, Davis</td>
</tr>
<tr>
<td>Dillard, Jaimie (2010)</td>
<td>Director, DSPS</td>
<td>A.S., Pima Community College</td>
</tr>
<tr>
<td>Donnelly, Daniel (2002)</td>
<td>Multimedia Studies</td>
<td>M.S., University of La Verne</td>
</tr>
<tr>
<td>Doyle, Teresa (2017)</td>
<td>Dean of Instruction</td>
<td>B.A., M.A., CSU, Chico</td>
</tr>
<tr>
<td>Dressen, Bradley (2003)</td>
<td>Automotive Technology</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Dunn, Elizabeth (2016)</td>
<td>Accounting</td>
<td>B.A., Cal Poly, Pomona</td>
</tr>
<tr>
<td>Edwards, Vance (2014)</td>
<td>Program Coordinator, Foster Youth Support</td>
<td>A.A., Philadelphia Community College</td>
</tr>
<tr>
<td>Emmons, Molly (2005)</td>
<td>English</td>
<td>B.A., University of Oregon</td>
</tr>
<tr>
<td>Enyeart, Bruce (1996)</td>
<td>Mechanized Agriculture</td>
<td>B.S., Washington State University</td>
</tr>
</tbody>
</table>
Guleff, Virginia (2017)
Vice President of Instruction
B.A., San Jose State University
M.A., San Diego State University

Gunn, Lisa (2006)
Allied Health
B.A., Northern Illinois
M.P.A., College of Notre Dame

Hartman, Dena LaRee (2001)
Accounting
A.A., Butte College
B.S., M.B.A., CSU, Chico

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, Juliet (2000)
Mathematics
B.S., CSU, Chico
M.A., CSU, Fresno

Hayano-Lavin, Saundra (2013)
Counselor
B.A., M.A., CSU, Chico

Hennessy, April (2013)
Learning Resource Specialist
B.A., M.A., CSU, Chico

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

Hightower, Jennifer (2016)
First Year Experience
B.A., CSU, Chico
M.S., National University

Holland, Eric (1995)
Director, Assessment
B.A., UC, Berkeley
M.A., University of Vermont
M.A., University of La Verne

Holden, Jeffrey (2013)
Information Security Officer
B.S., CSU, San Bernardino

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

Jauron, Lester (2001)
Vice President, Planning, Research, and Organizational Development
B.S., US Military Academy
M.B.A., Oklahoma City University
M.M.A.S., US Army Command and General Staff College

Jimenez, Stephanie (2013)
Coordinator, Safe Place
B.A., CSU, Chico

Psychology
B.A., Western Washington University
M.A., CSU, Chico

Johnson, Tracy (2001)
English
B.A., M.A., UCLA
Ph.D., University of New Mexico

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)
Reading, LEAD
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

Kem-Rivera, Toladette (2016)
Disabilities Specialist
A.A., Los Rios Community College
B.S., M.S., CSU, Sacramento

Kielb, Craig (2015)
Automotive
A.A., A.S., Butte College

Klein, Steve (2014)
Director, Statewide Programs, CCCTC
A.A., Santa Ana College
B.A., CSU, Chico

Koehn, 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

Laffins, Jaime (2008)
Nursing
A.S., Three Rivers Community College
B.S.N., M.S.N., CSU, Chico

LaGrave, Nicole (2008)
LEAD, Reading
B.A., M.A., CSU, Chico

Landry, Robert (2014)
Agriculture
B.S., Texas State University
M.A., UC, Davis

Latham, Mark (2008)
Music
B.A., M.A., CSU, Chico

Lauer, Jim (1990)
Health, Kinesiology
B.A., M.A., CSU, Chico

Lechner, Gary (2008)
Biological Sciences
B.S., M.S., CSU, Chico

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

Maclean, Gina (2013)
Respiratory Care
B.A., Oregon Institute of Technology
LEAD, Reading  
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., M.S., CSU, Chico

Masterson, Thomas (1996)  
Political Science  
B.A., UC, Santa Barbara  
M.A., Ph.D., Claremont Graduate University

Maticsek, Michael (2012)  
Biological Sciences  
B.A., University of Colorado Boulder  
Ph.D., UC, Davis

Mavis, Mark (2002)  
Mathematics  
B.A., M.S., CSU, Chico

McCabe, Deborah (2015)  
Communication Studies  
B.A., UC, Berkeley  
M.A., CSU, Chico  
J.D., University of Iowa

McCoy, Cynthia (2006)  
Project Manager  
A.A., Lassen College, Brooks College  
B.A., M.S., CSU, Chico

McCoy, Debra (2005)  
EOPS Counseling Coordinator  
B.A., M.S., CSU, Chico

McIntyre, Karen (2000)  
Counselor  
A.A., Yuba College  
B.A., M.S., CSU, Chico

Medina, George (2000)  
Automotive Technology

Meier, Alexandra (2003)  
Art History, Art  
B.F.A., M.A., CSU, Chico

Merz, Jesse (2016)  
Drama  
B.F.A., New York University  
M.F.A., UC, Davis  
M.A.T., George Fox University

Meyer, Laurie (2013)  
Nursing  
B.S.N., CSU, Chico  
M.A., Western Governors University

Micalizio, Karen (1982)  
Dean, Financial Aid and Special Programs  
A.A., Butte College  
B.A., CSU, Chico  
M.S., University of La Verne

Mickelson-Beadle, Amy (2014)  
Program Manager, CCCTC  
B.A., M.A., Azusa Pacific University

Miley, Taressa (2010)  
North Far North Regional Chair  
B.S., CSU, Chico

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 (2013)  
Manager, Information Technology  
B.A., CSU, Chico

Chemistry  
B.S., CSU, Chico  
M.S., Stanford University

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

Old, Trudy (1999)  
Deputy Sector Navigator,  
Health Workforce Initiative  
A.S., Butte College

Onwiler, Thomas (2013)  
Chief Technology Officer  
B.S., University of San Francisco  
M.S., National University

Ortega, Anna (2015)  
Counselor, Veterans, Grant  
B.A., San Diego State University  
M.S.W., CSU, Long Beach

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

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

Rapoza-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

Ren ville, Allen L. (1976)  
Vice President, Student Services  
B.S., M.S., University of Oregon

Reyes, Nancy (1991)  
EOPS Counselor  
B.A., San Francisco State University  
M.S., CSU, Sacramento

Reynolds, Debra (1989)  
Articulation Officer,  
Counseling Department Chair  
A.A., San Joaquin Delta, Stockton  
B.A., CSU, Sacramento  
M.A., CSU, Fresno
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richer, Dorrie</td>
<td>Scheduling and Curriculum Analyst</td>
<td></td>
</tr>
<tr>
<td>Rigsbee, Craig</td>
<td>Director, Athletics, Kinesiology</td>
<td>B.S., Utah State University, M.A., CSU, Chico</td>
</tr>
<tr>
<td>Riley, Mimi</td>
<td>Sociology</td>
<td>B.A., UC, Berkeley, M.A., UC, San Diego</td>
</tr>
<tr>
<td>Roberson, Carrie</td>
<td>Child Development, Life Management</td>
<td>B.A., CSU, Chico, M.A., National University, Sacramento</td>
</tr>
<tr>
<td>Robinson, Donald</td>
<td>Director, Industrial Technology</td>
<td>A.S., Butte College, B.S., CSU, Chico</td>
</tr>
<tr>
<td>Rodriguez, Raymond L.</td>
<td>Transfer Counseling Center Coordinator</td>
<td>A.A., Butte College, B.A., CSU, Chico, M.A., John F. Kennedy University, San Luis Obispo</td>
</tr>
<tr>
<td>Rose, Sonya</td>
<td>Nursing</td>
<td>B.S., UC, Davis, B.S.N., CSU, Sacramento</td>
</tr>
<tr>
<td>Sathrum, Luke</td>
<td>Computer Science</td>
<td>B.S., Humboldt State University, M.S., CSU, Chico</td>
</tr>
<tr>
<td>Scott, Kim</td>
<td>Career Life Planning, CalWORKs</td>
<td>B.A., M.P.A., CSU, Chico, M.S., University of LaVerne</td>
</tr>
<tr>
<td>Senat, Simone</td>
<td>Fine Arts</td>
<td>B.A., UCLA, M.F.A., San Jose State University</td>
</tr>
<tr>
<td>Shinar, Tammera</td>
<td>Director, Financial Aid and Veterans Services</td>
<td>B.S., University of Phoenix, M.B.A., Devry University, Keller Graduate School of Management</td>
</tr>
<tr>
<td>Shippen, David</td>
<td>Director, Statewide Programs, CCCTC</td>
<td>A.A., Butte College, B.A., M.P.A., CSU, Chico</td>
</tr>
<tr>
<td>Sicke, Rachel</td>
<td>Counselor</td>
<td>B.A., M.S.W., CSU, Chico</td>
</tr>
<tr>
<td>Sills, John</td>
<td>Program Manager, CCCTC</td>
<td>B.A., CSU, Stanislaus</td>
</tr>
<tr>
<td>Slaughter, Clinton</td>
<td>Dean, Student Services</td>
<td>B.A., M.P.A., CSU, Chico</td>
</tr>
<tr>
<td>Smith, Michael A.</td>
<td>Allied Health, EMS</td>
<td>A.S., Butte College, B.A., CSU, Chico</td>
</tr>
<tr>
<td>Smith, Michael S.</td>
<td>Reference Librarian</td>
<td>B.S., Gannon University, M.L.S., San Jose State University</td>
</tr>
<tr>
<td>Snodgrass, Richard</td>
<td>Project Manager</td>
<td>B.A., Ohio State University</td>
</tr>
<tr>
<td>Soldate, John</td>
<td>Counselor</td>
<td>B.A., Linfield College, M.A., Northern Arizona University</td>
</tr>
<tr>
<td>Springer, Heather</td>
<td>English</td>
<td>B.A., M.S., CSU, Chico</td>
</tr>
<tr>
<td>St. Cin, Steven</td>
<td>Counselor</td>
<td>B.A., UCLA, M.S., CSU, Hayward</td>
</tr>
<tr>
<td>Stagner, Brenda</td>
<td>Foods and Nutrition</td>
<td>B.A., M.S., CSU, Chico</td>
</tr>
<tr>
<td>Suleski, Andy</td>
<td>Vice President, Administration, Chief Business Officer</td>
<td>A.A., Yuba College, B.S., CSU, Chico, M.B.A., CSU, Sacramento</td>
</tr>
<tr>
<td>Sun, Dakuan</td>
<td>Mathematics</td>
<td>M.E.D., M.S., Ph.D., Ohio University</td>
</tr>
<tr>
<td>Taylor, Amelia</td>
<td>Nursing</td>
<td>B.S., University of Texas, Arlington</td>
</tr>
<tr>
<td>Taylor, Cheryl</td>
<td>Manager, Grants Research and Development</td>
<td>B.S., CSU, Chico</td>
</tr>
<tr>
<td>Terra, Jill</td>
<td>Biological Sciences</td>
<td>B.S., University of Iowa, Ph.D., UCLA</td>
</tr>
<tr>
<td>Thomas, Russel</td>
<td>Welding</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Thompson, Dorene</td>
<td>Business Computer Information Systems</td>
<td>B.A., CSU, Sacramento, M.A., University of Phoenix</td>
</tr>
<tr>
<td>Trento, Jason</td>
<td>Physics, Physical Science</td>
<td>B.S., CSU, Chico, M.S., UC, Davis</td>
</tr>
<tr>
<td>Trolinger, Christine</td>
<td>History</td>
<td>B.A., Angelo State University, M.A., Texas Tech University</td>
</tr>
<tr>
<td>Trolinger, John Boyd</td>
<td>Computer Science</td>
<td>B.A., University of Texas, M.A., Texas Tech University</td>
</tr>
<tr>
<td>Troxel, Shannan</td>
<td>Communication Studies</td>
<td>B.A., M.A., CSU, Chico</td>
</tr>
<tr>
<td>Turner, Charles A.</td>
<td>History</td>
<td>B.A., UC, Riverside, M.A., UCLA, J.D., Newport University</td>
</tr>
<tr>
<td>Vela, Mario</td>
<td>Welding Technology</td>
<td>A.S., Butte College</td>
</tr>
<tr>
<td>Valle, Heather</td>
<td>Psychology</td>
<td>B.A., M.S., CSU, Chico</td>
</tr>
<tr>
<td>Vandereyck, Julia</td>
<td>Director, Child Development Center</td>
<td>A.A., Butte College, B.A., Pacific Oaks College</td>
</tr>
<tr>
<td>Vickery, Jess</td>
<td>Chemistry</td>
<td>B.S., UC, Santa Barbara, Ph.D., UC, Davis</td>
</tr>
<tr>
<td>Vogel, Shaaron</td>
<td>Nursing</td>
<td>B.S.N., CSU, Chico, M.S.N., CSU, Dominguez Hills</td>
</tr>
<tr>
<td>Wakim, Suzanne</td>
<td>Biological Sciences</td>
<td>B.S., Loyola University, M.S., UC, Davis</td>
</tr>
<tr>
<td>Wallace, Marty</td>
<td>Chemistry</td>
<td>B.S., Portland State University, M.S., CSU, Chico</td>
</tr>
<tr>
<td>Wannenmacher, Elizabeth A. J.</td>
<td>Chemistry</td>
<td>B.S., UC, Berkeley, Ph.D., UC, Davis</td>
</tr>
</tbody>
</table>
Ward, Teresa (2000)
*First Year Experience, Coordinator, Professional Development, LEAD, Reading*
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

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

Wilmarth, Jared “Tip” (2001)
*Environmental Horticulture, Agriculture*
A.A., Butte College

Whitthrow-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

Wu, Wei-Ming (1993)
*Philosophy*
B.A., National Taiwan University
M.A., Ph.D., University of Illinois at Urbana-Champaign

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)
*Associate Dean, Recruitment, Outreach and Orientation*
B.A., CSU, Chico
M.S., University of LaVerne

Emeritus Faculty and Staff of the College

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

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

Librarian

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

Automotive Technology

Cabral, Patricia (1989-2015)
Mathematics

Mathematics

Mathematics

Carver, Richard (1972-2008)
Supervisor, Transportation, Maintenance, Grounds
Emeritus Faculty and Staff

Cassell, Mary (1975-2005)  
Physical Education, Chemistry

Cen, Luozhu (1999-2016)  
Dean of Instruction

Reading

Court Reporting, BCIS

Chase, Cathy (1995-2012)  
English as a Second Language (ESL)

Clark, Jean (1981-2006)  
Language, Education and Development (LEAD), 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

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 (LEAD), Reading

Davis, Genny (1974-2005)  
Administrative Assistant

Dean, Dr. Betty (1990-1998)  
Superintendent/President

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 Public Safety Training Center

Dunlap, Marty (1984-2007)  
Assessment

Dunn, Richard (1981-2010)  
Coordinator, Disabled Students Programs and Services

Egbert, 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

Agriculture

Flores, Rudy (1993-2013)  
Dean of Instruction

Forsmith, Julianne (1969-1997)  
Language Arts, Drama, Speech

Franchi, Laureen (Reenie) (1989-2016)  
Payroll Technician

Fugle, Gary (1989-2013)  
Biology

Business Education

German, Barbara (1971-1997)  
Food Service Manager

Gish, Carole (1993-2008)  
Director of Admissions and Records

Goberstein, Faina (1983-2012)  
Mathematics

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)  
LEAD

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

Holland, Scot (1984-2013)  
Geography

Welcome Center

Holman, Howard “Pete” (1971-1998)  
Dean of Instruction

Holt, Yolanda (1974-1998)  
English as a Second Language

Hood, Bruce (1979-2000)  
Speech

Mathematics

Hradecky, Carolyn (1975-2000)  
Assistant Director, Human Resources

Hughart, Norm (1976-2010)  
Business

Hughes, Margaret (1968-2005)  
English

Supervisor, Shipping/Receiving and Print Shop

Hyde, Dennis (1980-2011)  
Alcohol and Drug Studies

Vice President of Educational and Student Programs and Services

Jacobson, Herbert (2003-2013)  
Agriculture

Jennings-Severe, Peggy (1984-2015)  
Dean, Recruitment, Outreach, Student Life

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

Director, Auxiliary Services

Lenhoff, Donna (1981-2005)  
Language Education and Development (LEAD)

Lerch, Myra (1990-2009)  
Disabled Students Programs and Services

Lewis, Janice (1974-1993)  
Director of Finance

Director, Physical Education and Athletics

Lugo de Arnsdorf, Gabriella (1998-2011)  
Language Education and Development (LEAD)
<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lyssy, Chet</td>
<td>1970-1998</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Machuga, Ric</td>
<td>1985-2016</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Manthey, Mae</td>
<td>1984-2002</td>
<td>Language Education and Development (LEAD)</td>
</tr>
<tr>
<td>Martin, Robert</td>
<td>1975-1999</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Mason, Paul</td>
<td>1996-2013</td>
<td>Biology</td>
</tr>
<tr>
<td>Matlock, Ernest</td>
<td>1976-1992</td>
<td>Assistant Superintendent, Vice President for Instruction</td>
</tr>
<tr>
<td>Mattison, Dr. G. David</td>
<td>1989-2003</td>
<td>Geology, Physical Science</td>
</tr>
<tr>
<td>Maxey, Barbara</td>
<td>1989-2008</td>
<td>Assistant Dean, Contract Education</td>
</tr>
<tr>
<td>McKinnon, Gloria</td>
<td>1972-1998</td>
<td>Office Information Systems</td>
</tr>
<tr>
<td>Manus, Beverly</td>
<td>1985-2010</td>
<td>Supervisor, EOPS/CARE</td>
</tr>
<tr>
<td>McNelis, Steven</td>
<td>1976-2008</td>
<td>Administration of Justice</td>
</tr>
<tr>
<td>Mead, Debbie</td>
<td>1988-2012</td>
<td>Administrative Assistant</td>
</tr>
<tr>
<td>Milosevich, Silvia</td>
<td>1989-2008</td>
<td>Foreign Language, Honors, English</td>
</tr>
<tr>
<td>Moore, Michael</td>
<td>1973-2000</td>
<td>Supervisor, Campus Police</td>
</tr>
<tr>
<td>Morin, Romeo</td>
<td>1968-1998</td>
<td>Counselor</td>
</tr>
<tr>
<td>Nakagawara, Quentin</td>
<td>1969-2001</td>
<td>Agriculture and Natural Resources, (Hort)</td>
</tr>
<tr>
<td>Neath, Alice</td>
<td>1985-2004</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Nelson, Stevens</td>
<td>1968-2001</td>
<td>Sociology</td>
</tr>
<tr>
<td>Newlin, Merlyn</td>
<td>1984-2008</td>
<td>Career and Employment Services</td>
</tr>
<tr>
<td>Newman, Kathy</td>
<td>1973-2005</td>
<td>Biology</td>
</tr>
<tr>
<td>Newman, Larry</td>
<td>1986-2004</td>
<td>Dean, Instructional Services</td>
</tr>
<tr>
<td>Newman, Lena</td>
<td>1987-2000</td>
<td>Administrative Assistant, Instruction</td>
</tr>
<tr>
<td>Oakes, Gary</td>
<td>1968-2006</td>
<td>Mathematics/Computer Science</td>
</tr>
<tr>
<td>Oba-Winslow, Carol</td>
<td>1987-2015</td>
<td>Disabled Students Programs and Services</td>
</tr>
<tr>
<td>Osborne, John</td>
<td>1975-2010</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Parker, Becky</td>
<td>1990-2010</td>
<td>Account Clerk</td>
</tr>
<tr>
<td>Parker, John</td>
<td>1970-2005</td>
<td>Supervisor Facilities</td>
</tr>
<tr>
<td>Pascale, Pat</td>
<td>1996-2008</td>
<td>Shipping and Receiving</td>
</tr>
<tr>
<td>Payne, Carl David</td>
<td>1998-2015</td>
<td>Communication Studies</td>
</tr>
<tr>
<td>Pepperine, Debra</td>
<td>1988-2008</td>
<td>Human Resources Benefits Analyst</td>
</tr>
<tr>
<td>Petersen, Owen</td>
<td>1970-2001</td>
<td>Dean, Special Programs</td>
</tr>
<tr>
<td>Phillips, Lynn</td>
<td>1979-2009</td>
<td>Nursing</td>
</tr>
<tr>
<td>Rasmussen, Mike</td>
<td>1977-2010</td>
<td>Director of Maintenance and Operations</td>
</tr>
<tr>
<td>Rivas, Margaret</td>
<td>1990-2004</td>
<td>Director, Adult Ed and Community Services</td>
</tr>
<tr>
<td>Rodgers, Irene Fell</td>
<td>1971-1992</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Rogers, Donald Edward</td>
<td>1968-1990</td>
<td>Coordinator of Counseling</td>
</tr>
<tr>
<td>Rojas, Judith</td>
<td>1993-2010</td>
<td>Spanish</td>
</tr>
<tr>
<td>Sawyer, Tom</td>
<td>1991-2010</td>
<td>Sociology</td>
</tr>
<tr>
<td>Schmidt, Jim</td>
<td>1974-2008</td>
<td>English/Music/Journalism</td>
</tr>
<tr>
<td>Shannon, Ann</td>
<td>2003-2016</td>
<td>Learning Resource Specialist</td>
</tr>
<tr>
<td>Sincoff, Steven</td>
<td>1998-2013</td>
<td>Physical Sciences</td>
</tr>
<tr>
<td>Smith, Robert D.</td>
<td>1969-1995</td>
<td>Physics</td>
</tr>
<tr>
<td>Snidow, Neal</td>
<td>1987-2009</td>
<td>English</td>
</tr>
<tr>
<td>Snow, Sue</td>
<td>1980-2006</td>
<td>Payroll Technician</td>
</tr>
<tr>
<td>Speed, Ken</td>
<td>1985-2016</td>
<td>Counseling</td>
</tr>
<tr>
<td>Spring, Helen</td>
<td>1968-1983</td>
<td>Reference Librarian</td>
</tr>
<tr>
<td>Stanley-Hall, Carol</td>
<td>1975-2013</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Stenvall, Paula</td>
<td>1990-2016</td>
<td>Human Resources Analyst</td>
</tr>
<tr>
<td>Stull, Will</td>
<td>1991-2003</td>
<td>Sculpture, Art Appreciation</td>
</tr>
<tr>
<td>Swenson, Catherine</td>
<td>1999-2014</td>
<td>Director, Economic Workforce</td>
</tr>
<tr>
<td>Tappenbeck, Jim</td>
<td>1989-2003</td>
<td>Learning Center Coordinator</td>
</tr>
<tr>
<td>Taylor, Karen</td>
<td>1999-2015</td>
<td>Accounting</td>
</tr>
<tr>
<td>Thompson, Elaine</td>
<td>1974-1992</td>
<td>Director of Accounting/Budget</td>
</tr>
<tr>
<td>Travis, Patricia (Patty)</td>
<td>2001-2015</td>
<td>Administrative Secretary III</td>
</tr>
<tr>
<td>Van Dame, Maggie</td>
<td>1995-2010</td>
<td>Manager, User Support Services</td>
</tr>
<tr>
<td>Van Der Ploeg, Dr. Diana</td>
<td>2003-2011</td>
<td>Superintendent/President</td>
</tr>
<tr>
<td>Voyles, Hannie</td>
<td>1971-2000</td>
<td>English</td>
</tr>
<tr>
<td>Weaver, Donna</td>
<td>1987-2017</td>
<td>Dean of Instruction</td>
</tr>
<tr>
<td>Werner, Marianne</td>
<td>1996-2008</td>
<td>English</td>
</tr>
<tr>
<td>Wheeler, Edward</td>
<td>1968-2000</td>
<td>Anthropology</td>
</tr>
<tr>
<td>White, Jack</td>
<td>1970-1996</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Whitehouse, Dr. James M.</td>
<td>1997-2003</td>
<td>Dean, Transfer and General Education</td>
</tr>
<tr>
<td>Winslow, Verla</td>
<td>1972-2009</td>
<td>Counselor</td>
</tr>
<tr>
<td>Yarosevich, Katya</td>
<td>1988-2013</td>
<td>Biology</td>
</tr>
</tbody>
</table>
## Index

| A | Drafting and CAD Technology | 104 |
| -- | Early Childhood Education | 93, 94, 95 |
| AA/AS, AA-T/AS-T Degrees | Ecological Restoration | 140 |
| Academic Achievement | Economics | 107 |
| Academic Council | Elementary Teacher Education | 108 |
| Academic Dishonesty | Emergency Medical Responder (EMR) | 113 |
| Academic Distinction | Emergency Medical Technician | 114 |
| Academic Excellence | Emergency Medical Technician/Paramedic (EMT) | 113 |
| Academic Freedom | Engineering | 117 |
| Academic Honesty | English | 115 |
| Academic Probation | English as a Second Language (ESL) | 119 |
| Academic Programs Types and Requirements | Environmental Horticulture | 110 |
| Academic Progress, Financial Aid | Environmental Science | 151 |
| Academic regulations | Esthetician | 99 |
| Academic regulations | Fashion Design | 121 |
| Academic regulations | Fashion Merchandising | 120 |
| Academic regulations | Film, Television and Electronic Media | 158 |
| Academic regulations | Fire Technology | 123, 124 |
| Academic regulations | Firefighter I Academy | 123 |
| Academic regulations | General Physical Education | 132 |
| Academic regulations | Geographic Information System | 126 |
| Academic regulations | Geology | 127 |
| Academic regulations | Graphic Design | 136 |
| Academic regulations | Graphic Design for Print | 136 |
| Academic regulations | Honors | 130 |
| Academic regulations | Human Resources | 91 |
| Academic regulations | Incident Command-Finance | 124 |
| Academic regulations | Incident Command-Logistics | 124 |
| Academic regulations | Incident Command-Operations | 125 |
| Academic regulations | Incident Command-Planning | 125 |
| Academic regulations | Journalism | 131 |
| Academic regulations | Kinesiology | 132 |
| Academic regulations | Landscape/Turfgrass Technician | 111 |
| Academic regulations | Language Arts | 115 |
| Academic regulations | Law Enforcement Academy-Basic | 75, 76 |
| Academic regulations | Law Enforcement Academy-Basic/Fish and Wildlife Emphasis | 75, 76 |
| Academic regulations | Law Enforcement Academy-Basic/State Parks Emphasis | 75, 77 |
| Academic regulations | Leadership and Civic Engagement | 150 |
| Academic regulations | Legal Office Administration | 83, 85, 86 |
| Academic regulations | Liberal Studies | 108 |
| Academic regulations | Licensed Vocational Nursing | 142, 144 |
| Academic regulations | Manicuring | 99 |
| Academic regulations | Marketing | 89, 90 |
| Academic regulations | Mass Media Studies | 159 |
| Academic regulations | Mathematics | 134 |
| Academic regulations | Mechanized Agriculture | 69 |
| Academic regulations | Medical Coding | 128 |
| Academic regulations | Medical Office Administration | 84, 85, 86 |
| Academic regulations | Microsoft Server Administration | 103 |
| Academic regulations | Multicultural and Gender Studies | 135 |
| Academic regulations | Multimedia Studies | 136, 137 |
| Academic regulations | Music | 138 |
| Academic regulations | Natural Resources Management | 140 |
| Academic regulations | Nursery Technician | 111 |
| Academic regulations | Nursing Assistant | 145 |
| Academic regulations | Nutrition and Dietetics | 122 |
| Academic regulations | Nutrition and Food Science | 122 |
| Academic regulations | Occupational and Life Skills | 147 |
| Academic regulations | Para Education | 109 |
| Academic regulations | Parks and Recreation | 140 |
| Academic regulations | Peace and Global Studies | 152, 153 |
| Academic regulations | Photography | 148 |
| Academic regulations | Physical Science | 151 |
| Academic regulations | Physics | 149 |
| Academic regulations | Plant Protection | 111 |
| Academic regulations | Political Science | 150 |
| Academic regulations | PowerPathway Gas Pipeline Welding | 165 |
| Academic regulations | Professional Photography | 148 |
| Academic regulations | Psychology | 152 |
| Academic regulations | Radio-TV-Film: Video Production | 158 |
| Academic regulations | Real Estate | 154 |
| Academic regulations | Real Estate Appraisal | 154 |
| Academic regulations | Real Estate Sales | 155 |
| Academic regulations | Recording Arts | 138 |
| Academic regulations | Recording Arts for Musicians | 139 |
| Academic regulations | Registered Nursing | 142 |
| Academic regulations | Registered Nursing: LVN to ADN | 143, 145 |
| Academic regulations | Respiratory Care | 156, 157 |
| Academic regulations | Retail Management | 90 |
| Academic regulations | Single Camera Video Production | 159 |
| Academic regulations | Small Business Institute | 91 |
| Academic regulations | Small Business/Entrepreneurship | 89 |
| Academic regulations | Social and Behavioral Science | 160 |
| Academic regulations | Sociology | 160 |
| Academic regulations | Spanish | 162 |
| Academic regulations | Special Education for Instructional Service Agreement Instructors | 163 |
| Academic regulations | Studio Arts | 79 |
| Academic regulations | Sustainability Studies | 161 |
| Academic regulations | Tax Preparer | 68 |
| Academic regulations | Theatre Arts | 106 |
| Academic regulations | Vocational English as a Second Language (VESL) | 119 |
| Academic regulations | Welding Technology | 164 |
| Academic regulations | Welding Technology Level I | 165 |
| Academic regulations | Welding Technology Level II | 165 |
| Academic regulations | Welding Technology Level III | 166 |
| Academic regulations | Wildlife Technician | 141 |
| Academic regulations | Academic Progress, Financial Aid Recipients | 18 |
| Academic regulations | Academic regulations | 37-47 |
| Academic regulations | Academic regulations | 37 |
| Academic regulations | Alternative Degree Credits | 43 |
| Academic regulations | Attendance | 38 |
| Academic regulations | Auditing Courses | 38 |
| Academic regulations | Credit by Examination | 38 |
| Academic regulations | Drops and Withdrawals | 39 |
| Academic regulations | Enrollment status | 39 |
| Academic regulations | Final Examinations | 39 |
| Academic regulations | Leaves of Absence | 40 |
| Academic regulations | Probation, Dismissal, Reinstatement | 40 |
| Academic regulations | Repeating a Course | 41 |
| Academic regulations | Revision of Regulations | 42 |
| Academic regulations | Special Studies/Problems | 42 |
| Academic regulations | Unit Load Limitations | 43 |
Course, Unit Load Limitations ........................................ 43
Course Identification Numbering System, C-ID ....................... 168
Credit by Examination .................................................. 38
Crime Prevention/Crime Statistics .................................. 28
CSU GE Pattern ................................................................ 50
IGETC GE Pattern .......................................................... 50

D
Degree planning ................................................................ 49-64
Associate Degree for Transfer ........................................... 50
Local Associate Degrees .................................................. 50
Certificate of Achievement .............................................. 50
Certificates ........................................................................ 50
Dining Services................................................................. 20
Disabled Student Programs and Services (DSPS) Office .............. 22
DSPS course descriptions ................................................. 196
Disciplinary Action ......................................................... 29, 33
Discrimination (Non-Discrimination) .................................. 40-41
Dismissal .......................................................................... 40-41
Distance Education .......................................................... 7
Drafting (DFT) .................................................................. 104
DFT course descriptions ................................................... 194
Drama (DRAM) .................................................................. 106
DRAM course descriptions ................................................. 195
Driving and Parking, Campus ............................................. 27
Drops and Withdrawals .................................................... 39
Drug Free Campus Policy .................................................. 32

E
Economics (ECON) ............................................................ 107
ECON course descriptions ............................................... 196
Education (EDUC) ............................................................ 108
EDUC course descriptions .............................................. 197
Educational Opportunities ............................................... 7
Educational Plan (see matriculation) .................................. 34
Emergencies, Reporting ................................................... 28
Emergency Medical Service (EMS) .................................. 113
EMS course descriptions ............................................... 200
Emeritus Faculty/Staff ..................................................... 252
Engineering (ENGR) ....................................................... 117
Engineering course descriptions ..................................... 203
English (ENGL) ............................................................... 115
ENGL course descriptions .............................................. 200
English Placement Levels ............................................... 10, 168
English as a Second Language (ESL) ................................. 119
ESL course descriptions ................................................ 204
ESL placement levels ..................................................... 11, 168
Enrollment Fees ............................................................. 15
Enrollment Policy/Procedures ......................................... 10-13
Enrollment Restrictions .................................................. 8
Enrollment Status ........................................................... 39
Environmental Horticulture (EH) ..................................... 110
EH course descriptions ................................................ 198
Equipment Fees ............................................................. 15

Events, Annual .................................................................. 26
Excused Withdrawal (EW) ............................................. 36, 40
Extended Opportunity Program and Services (EOPS) ............. 22
Exemptions to the BSA ................................................... 10
Exemptions to START ................................................... 11

F
Faculty and Administration ............................................... 247
Fashion (FASH) .............................................................. 120
FASH course descriptions ................................................. 204
Fees .................................................................................. 13-16
Making Payments ........................................................... 13, 14
Quick Guide to College Fees .......................................... 15
Refunds ............................................................................ 14
Materials, Supplies, Equipment Fees ................................ 14
Waivers ............................................................................ 16
Filing for a Leave of Absence ............................................. 40
Final Examinations .......................................................... 39
Financial Aid, Types ......................................................... 16-19
Grants, Loans, Work-Study, Scholarships ......................... 16, 22
Financial Aid Recipients, Standards of Satisfactory Academic Progress ......................................................... 18
Fire Science (FSC) ............................................................ 123
FSC course descriptions .................................................. 206
Foods and Nutrition (FN) .................................................. 122
FN course descriptions .................................................. 205
Foster Kinship Care Education Program ................................ 22
Foundation, Butte College ................................................ 4
French (FREN) ................................................................. 206
FREN course descriptions ................................................. 206

G
Gainful Employment Disclosure ....................................... 50
General Education .......................................................... 49-64
Transfer Degrees, non-Transfer Degrees, IGETC .................. 223
Multicultural and Gender Studies (MCGS) ......................... 223
Multimedia Studies Program (MSP) .................................. 224
Music (MUS) ..................................................................... 225
Natural Resources (NR) .................................................... 227
Nursing (NSG) .................................................................. 228
Occupational and Life Skills (OLS) ................................. 232
Philosophy (PHIL) ........................................................... 232
Photography (PHO) .......................................................... 233
Physics (PHYS) ................................................................. 234
Political Science (POS) ..................................................... 235
Physical Science (PSC) ..................................................... 235
Psychology (PSY) ............................................................. 236
Reading (READ) .............................................................. 238
Real Estate (RLS) ............................................................. 238
Respiratory Therapy (RT) ................................................ 239
Radio-TV-Film (RTVF) ..................................................... 240
Sociology (SOC) ............................................................... 241
Spanish (SPAN) ............................................................... 242
Special Education (SPE) ................................................... 243
Special Education Training (SPED) ................................... 243
Welding (WLD) ............................................................... 243
Work Experience (WKE) ................................................ 243

Index
## Index

### H
- Harassment ........................................... 29
- Hate Crime Policy, Definitions of .................. 30
- Hazing Policy ........................................ 32
- Health (HLTH)
  - HLTH course descriptions .......................... 212
- Health Center, Student ................................. 23
- Health Services Fee .................................. 15
- Health Information Management (HIM) ............. 128
- HIM course descriptions ............................... 211
- Healthy Aging & Living (HAL)
  - HAL course descriptions .............................. 210
- History (HIST) ....................................... 129
- HIST course descriptions ............................... 212
- Honors List .......................................... 37
- Honors (HON) ....................................... 130
- HON course descriptions ............................... 213
- Humanities (HUM)
  - HUM course descriptions .............................. 213

### I
- In progress (IP) Grade .................................. 36
- Incomplete (I) Grade .................................. 35
- Inter-Club Council ..................................... 25
- Intercollegiate Athletics ................................ 25
- Interdisciplinary Studies (IDST)
  - IDST course descriptions .............................. 213
- International Baccalaureate (IB) Exams ............. 43
  - IB Test Scores ....................................... 46
- International Students ................................ 12
  - Enrollment Fee ..................................... 15
- IGETC GE Pattern .................................... 50
- Italian (ITAL)
  - ITAL course descriptions .............................. 213

### J
- Japanese
  - JPN course descriptions ............................... 214
  - Job Placement, Cooperative Education and Work Experience Office .................. 22
- Journalism (JOUR) .................................... 131
  - JOUR course descriptions .............................. 214

### K
- K-12 Students .......................................... 8, 9
- K-12 Fee Waiver ........................................ 17
- Kinesiology (KIN).................................... 132
  - KIN course descriptions .............................. 215

### L
- Labor Market Information .......................... 21
- Latin (LATN)
  - LATN course descriptions .......................... 221
- Leaves of Absence .................................... 40
  - Library .............................................. 22, 23
  - Library & Information Science (LIS)
    - LIS course descriptions ............................. 221
- Life Management (LM)
  - LM course descriptions ............................. 221
- Local Associate Degrees, AA/AS defined ............ 50
- Loans, Financial Aid .................................. 16

### M
- Main Campus .......................................... 1, 6
  - map .................................................. 261
- Mascot of College .................................... 25
- Materials Fees ........................................ 14
- Mathematics (MATH) .................................. 134
- MATH course descriptions ........................... 221
- Mathematics Competency ............................. 52
  - Mathematics Placement Levels ........................ 11, 168
- Matriculation ......................................... 34
- Medical Leave of Absence ............................ 40
- Medical Records (student) ............................ 12
- Mental Health Advisory Committee (MHAC) ......... 30
- Military Leave of Absence ............................ 40
- Military Withdrawal (MW) ............................ 36, 40
- Mission Statement, Butte College .................. 4
- Multicultural Competency ............................ 52
- Multicultural & Gender Studies (MCGS) ............ 135
  - MCGS course descriptions .......................... 223
- Multimedia Studies (MSP) ............................ 136
  - MSP course descriptions ........................... 224
- Music (MUS) ......................................... 138
  - MUS course descriptions ............................ 225
  - Musical Productions ................................. 25

### N
- Natural Resources (NR) .............................. 140
- NR course descriptions ............................... 227
- New College Students and New Transfer-In Students .............................. 8, 9
- NP (No Pass) Grade .................................. 35
- Non-Discrimination ................................... 33
- Nonresident Students ................................ 12
  - Enrollment Fee ..................................... 15
- Nursing (NSG) ........................................ 142
  - NSG course descriptions ............................ 228

### O
- Occupational and Life Skills (OLS) ................. 147
- OLS course descriptions .............................. 232
- One-Day Class Fee Payments ........................ 13
- Online Classes and Services ......................... 7
- Open Enrollment policy, (Title 5) .................. 8
- Orientation, START Program ......................... 11
  - Orientation Office and START ....................... 23

### P
- Parking, Campus Driving .......................... 27
- P (Pass) Grade ........................................ 35
- Pass/No Pass Options ................................. 36
- Patron Fee Payments ................................. 14
- Performing Arts Program ............................ 25
- Personal Counseling .................................. 21
- Petition for Special Studies ......................... 42
- Philosophy (PHIL)
  - PHIL course descriptions ........................... 232
- Philosophy, General Education ....................... 51
- Photography (PHO) ................................... 148
  - PHO course descriptions ............................ 233
- Physical Science (PSC) .............................. 151
  - PSC course descriptions ............................. 235
  - Physics (PHYS) ..................................... 149
  - PHYS course descriptions ............................ 234
- Placement Levels and Course Eligibility .......... 10
- Planned Educational Leave of Absence ............. 40
- Political Science (POS) .............................. 150
  - POS course descriptions ............................ 235
- Prerequisites ......................................... 168
  - President, A Message from the ..................... 2
  - Priority Registration for Continuing Students ........................................11
- Probation, Progress Probation ....................... 40
- Promise Grant, California College ................. 17
- Promise Scholarship, Butte College ............... 17
- Protecting Student Rights ............................ 29
- Provisional Students .................................. 8
- Psychology (PSY) ..................................... 152
  - PSY course descriptions ............................. 236
  - Public Safety ....................................... 26-28

### Q
- Quick Guide to Butte College Admission ............ 9
  - 6 Steps to Enrollment ................................ 2
- Quick Guide to Butte College Fees ................. 15

### R
- Radio-TV-Film (RTVF) ............................... 158
  - RTVF course descriptions .......................... 240
- Reading (READ)
  - READ course descriptions .......................... 238
- Reading Competency .................................. 52
- Reading Placement Levels ........................... 10, 168
- Real Estate (RLS) ..................................... 154
  - RLS course descriptions ............................ 238
  - Receiving/Requesting Accommodations
    under ADA ......................................... 33
  - Recommended Prep ................................. 168
  - Records, Student ................................... 12
  - Refunds ............................................ 14
- Regional Testing Center ............................. 23
- Registering for Classes ............................. 11
- Registration Fees .................................... 13, 14
  - Reinstatement after Dismissal ..................... 40
- Release of "Directory Information" ................. 13
- Remedial Course Fee Waiver ......................... 17
- Removal from Probation ............................. 40
- Renewal, Academic .................................. 37
Index

S
Safe Place and Wellness Program………….. 23
Safety on campus………………………….. 28
Quick Guide to Butte College Safety………28
Standards of Satisfactory Academic Progress………………………….. 18
Scholarships………………………………….. 16
Scholastic Honors……………………………. 37
Service fees……………………………………. 15
Sexual Consent
Definition of…………………………………… 31
Guidance Regarding………………………… 31
Assault Procedure…………………………….. 31
Sexual Assault Crisis Support……………….. 31
Short-term Fee Payments………………….. 13
Sign Language
see American Sign Language (ASL)… 178
Skyway Center……………………………… 1, 6
map…………………………………….. 260
Smoking Policy…………………………….. 32
Sociology (SOC)…………………………….. 160
SOC course descriptions………………… 241
Spanish (SPAN)…………………………… 162
SPAN course descriptions………………… 242
Special Registration/Admission…………… 12
Special Education (SPE)
SPE course descriptions…………………… 243
Special Education Training (SPED)…… 243
Special Studies/Problems………………….. 42
Speech and Debate Team (Forensics)… 26
Speech (see CMST)………………………… 188
START Program (Assessment, Orientation,
and Counseling)………………….. 11
Student Life Office………………………….. 26
Student
Activities fee……………………………… 15
Classifications……………………………. 8
Conduct…………………………………… 29-33
Disciplinary Action……………………….. 32
Educational plan……………………………. 34
Effort…………………………………… 37
Government………………………………… 26
Health Center……………………………… 23
Learning Outcomes………………………. 51
Life………………………………………… 26
Records…………………………………… 12, 15
Right-to-know…………………………….. 19
Rights and Privileges……………………. 29
Services and Resources………………….. 20-25
Study Abroad……………………………… 7
Subsequent Degree Fee………………….. 15
Substance Abuse Policy………………….. 32
Drug Free Campus Statement……………. 32
Health risks……………………………….. 33
Campus/Off Campus Treatment and
Referral Sources………………………… 33
Sustainability, A Leader in…………………. 4

T
Table of Contents…………………………… 3
Textbook/Supplies Fees…………………… 15
Theater Productions………………………. 25
Title IV, Return to………………………….. 19
Traffic Regulations………………………… 27
Training Place, The……………………….. 7
Transcripts…………………………………. 13, 35
Transcripts, fees…………………………… 15
Transfer Counseling Center, (TCC)……… 24
Transfer Majors Important Info…………… 50, 62
Transfer, Associate degree AA-T/AS-T
Administration of Justice, AS-T………… 72
Agriculture Business, AS-T……………… 65
Agriculture Plant Science, AS-T……….. 110
Anthropology, AA-T……………………… 78
Art History, AA-T………………………… 79
Biology, AS-T…………………………….. 87
Business Administration, AS-T………….. 88
Child and Adolescent Development, AA-T
…………………………………………………. 93
Communication Studies, AA-T………….. 97
Computer Science, AS-T…………………. 100
Early Childhood Education, AS-T……….. 93
Economics, AA-T………………………… 107
Elementary Teacher Education, AA-T… 108
English, AA-T…………………………….. 115
Film, Television and Electronic Media, AS-T
………………………………………………….. 158
Geography, AA-T………………………… 126
Geology, AS-T…………………………….. 127
History, AA-T…………………………….. 129
Journalism, AA-T………………………… 131
Kinesiology, AA-T………………………… 132
Mathematics, AS-T………………………. 134
Music, AA-T…………………………….. 138
Nutrition and Dietetics, AS-T…………… 122
Physics, AS-T…………………………….. 149
Political Science, AA-T………………….. 150
Psychology, AA-T………………………… 152
Sociology, AA-T………………………….. 160
Spanish, AA-T…………………………….. 162
Studio Arts, AA-T………………………… 79
Theatre Arts, AA-T……………………….. 106
Transfer Credit, Acceptance of…………. 43
Transfer Status…………………………….. 168
Transportation Fee………………………… 15
Transferring, from Other Colleges……….. 8
Transportation, Buses…………………….. 20
Tutorial, services in CAS………………… 21

U
Unit Load Limitations……………………. 43
UC Transfer Guide IGETC GE Requirements
……………………………………………… 62-64

V
Veterans Services, Office of ………… 24, 41, 43
Satisfactory Academic Progress………... 41
Vision statement………………………… 4

W
Waitlists……………………………………… 12, 13
Welcome Center (Campus Info)……….. 25
Welding (WLD)……………………………. 164
WLD course descriptions………………… 243
Withdrawals
Withdrawal, Refund, Repayment, (Title IV)
……………………………………………… 19
Withdrawal from All Classes…………… 39
W (Withdrawal)……………………………. 35
Withholding Grades, Transcripts, Certifi-
cates, and Diplomas…………………. 35
Work Experience, Office…………………. 22
Work Experience (WK)
WK course descriptions………………… 243
Work-Study………………………………….. 16
Workforce Development, The Training
Place………………………………………… 7
Writing Competency……………………… 52

X, Y, Z
no entries

Butte College 2018-2019 Catalog
259
Off-Campus Facilities

CHICO CENTER • SKYWAY CENTER • COSMETOLOGY & BARBERING
2320 Forest Avenue 2480 Notre Dame

GLENN COUNTY CENTER
604 East Walker Street (Highway 32), Orland

DISTANCES
Chico to Glenn County Center - 15 miles
Willows to Glenn County Center - 17 miles
Corning to Glenn County Center - 17 miles
Main Campus to Glenn County Center - 32 miles