BUTTE COLLEGE 2016/2017













AN ANNUAL COURSE CATALOG

www.butte.edu

Butte College

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

www.butte.edu
Information (530) 895-2511

Main Campus • 3536 Butte Campus Drive, Oroville, CA 95965
Chico Center • 2320 Forest Avenue, Chico, CA 95928
Skyway Center • 2480 Notre Dame, Chico, CA 95928
Glenn County Center • 604 East Walker Street, Orland CA 95963

Information about course offerings, fees, refunds, and college policies published in this Catalog is subject to change without prior notice. Any updates to policy, enrollment, or fee information can be found in the online Semester Class Schedule prior to registration each term at **www.butte.edu/schedule**

A Message From The President



Welcome! You made a great choice in Butte College. With over 160 degrees and certificates offered, there is something here for everyone.

This catalog is your guide to being successful at Butte College. You will find information on policies and procedures, student services, and resources available to you. In addition, all career and technical programs and transfer degrees are outlined here with the student learning outcomes for each. Finally, there is a list of every course offered and its description.

Butte College's motto "Start Here…Go Anywhere!" is best demonstrated by the following students' quotes:

"Butte College's guidance has led me to academic success…Furthermore, academic success will help elevate me from just working at a job for a living to working at a job I will enjoy."

"The professors give a great feel of Butte's 'students first' motto."

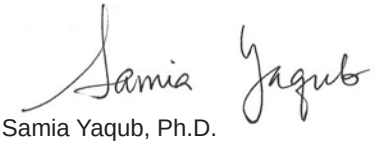
"Butte College has become my extended family."

"Butte College has been the platform for me to get my life back on track with definite direction and goals. The aspect of the college that has been most helpful is the teaching staff. Their approachability and genuine desire for their students to succeed have made the stresses of school, and life in general, much easier to bear."

"It feels great to be part of leading the national movement towards sustainability. Butte College forged ahead to become the nation's first grid positive college. This kind of example has a real and positive impact on our society as well as our planet."

"The decision to come to Butte College is a decision that I will never forget or regret. I am thankful for this wonderful college and all that it has done for me."

I wish you the best of luck as you take this next step in your education!



Samia Yaqub, Ph.D.
Superintendent/President

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About Butte College



Butte College serves 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 160 academic programs. Student can earn associate's degrees, train for over 100 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 and more. The College also offers degrees with guaranteed transfer to California State Universities—with over 25 Associate in Arts for Transfer and Associate in Science for Transfer degrees.

The College's Mission Statement

Butte College provides quality education, services, and workforce training to students who aspire to become productive members of a diverse, sustainable, and global society. We prepare our students for life-long learning through the mastery of basic skills, the achievement of degrees and certificates, and the pursuit of career and transfer pathways.

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:

- Implemented a Sustainability Studies Certificate Program;
- 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 through the use of 25,000 solar panels with a generating capacity of 4.5 megawatts;
- Leadership in Energy and Environmental Design (LEED) Gold certification of the Arts Building by the US Green Building Council;
- Dining Services composts 1,500 pounds of pre-consumer food waste from the landfill monthly;
- Mathematics, Engineering, Science Achievement (MESA) students work as interns on a Biofiltration Wetland Educational Living Laboratory (BWELL) Project;
- Roughly 76 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;
- A Sustainability Resource Center is funded and staffed by the College's Associated Students; and
- The Agriculture Department gained organic certification on 26 acres.

Our Vision

Butte College educationally, economically and culturally empowers the communities we serve by helping students define and achieve success.

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**.

The College's Advisory Committees

To ensure that Career and Technical 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 and Technical 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** (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** (916) 445-8752.

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

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

2016-2017 Academic Calendar

Fall Semester 2016 ● August 22 - December 16

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

Fall Class Schedule online at www.butte.edu/schedule ..... March 2016
Registration appointments distributed in MyBC..... March
Registration begins..... April
Instruction begins ..... August 22
Legal Holiday..... September 5
Last day to:
- Pay fees..... 7 days from enrollment
- Add courses..... 10%
- Drop and receive a refund 10%
- Drop w/o a "W" appearing on transcript..... 20%
- Submit P/NP, Audit, and Credit by Exam petitions..... 30% of term
- Withdraw with a "W" w/o instructor's signature..... 50% of term

Legal Holiday..... November 11
Deadline to apply for graduation..... November 23
Thanksgiving Recess ..... November 24, 25
Non-instructional Saturday ..... November 26
Last day of instruction..... December 9
Final examinations..... December 12-16

Winter Session 2017 ● January 3 – January 20

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

Winter/Spring Class Schedule online at www.butte.edu/schedule ..... October 2016
Registration appointments distributed in MyBC..... October
Registration begins..... November
Instruction begins ..... January 3
Last day to:
- Pay fees..... 7 days from enrollment
- Add courses..... 10%
- Drop and receive a refund 10%
- Drop w/o a "W" appearing on transcript..... 20%
- Submit P/NP, Audit, and Credit by Exam petitions..... 30% of term
- Withdraw with a "W" w/o instructor's signature..... 50% of term

Legal Holiday..... January 16
Deadline to apply for graduation..... January 20
Last day of instruction..... January 20

Spring Semester 2017 ● January 23 – May 26

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

Winter/Spring Class Schedule online at www.butte.edu/schedule ..... October 2016
Registration appointments distributed in MyBC..... October
Registration begins..... November
Instruction begins ..... January 23
Last day to:
- Pay fees..... 7 days from enrollment
- Add courses..... 10%
- Drop and receive a refund 10%
- Drop w/o a "W" appearing on transcript..... 20%
- Submit P/NP, Audit, and Credit by Exam petitions..... 30% of term
- Withdraw with a "W" w/o instructor's signature..... 50% of term

Legal Holiday..... February 17, 20
Non-instructional Saturday ..... February 18
Spring Break..... March 13-17
Deadline to apply for graduation..... March 23
Last day of instruction..... May 19
Final examinations..... May 22–26
Graduation ceremony ..... May 26

Summer Session 2017 ● TBA

Summer/Fall Class Schedule online at www.butte.edu ..... March 2017
Deadline to apply for graduation..... Mid July



Butte College Main Campus

3536 Butte Campus Drive, Oroville
(530) 895-2511, www.butte.edu
(See page 258 for map to Butte College Main Campus)

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. Butte College offers students the option of working toward a degree, certificate, or transfer to a university or other institution.

Whether you're starting your college career or returning to school to change careers, we have classes for you and instructors who care about your success. The College offers state-of-the-art facilities, small classes, low tuition, and a bus transportation system to offer a quality education at an affordable price.

Degrees and Programs
The College offers over 160 academic programs. Each year, over 1,000 Butte College students transfer to universities nationwide and the college transfers more students to CSU, Chico than any other community college.

Guaranteed Transfer to a CSU
Butte College offers new degrees with guaranteed transfer to California State Universities—with over 25 Associate in Arts for Transfer and Associate in Science for Transfer degrees.

Students First
You'll receive access to student services including: Career Counseling, Job Placement Office, Counseling and Advising, Transfer Counseling Center, Extended Opportunity Program and Services, Disabled Student Programs and Services, Sustainability Resource Center, Office of Veterans Services, Culture & Community Center, Safe Place and Wellness Program, Student Health Clinic (low-no cost services), Center for Academic Success (free tutoring), Bus Transportation, Student Activities, and Student Clubs.

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



Chico Center

2320 Forest Avenue, Chico
(530) 895-1352
(See page 257 for map to Chico Center)

The Chico Center is a state-of-the-art building that 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, career counseling, counseling, Disabled Student Programs and Services (DSPS), financial aid, job placement (by appointment), a 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 (English and computers) is also available.



Skyway Center

2480 Notre Dame, Chico
(530) 895-2511
(See page 257 for map to Skyway Center)

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 affordable not for credit employee training to businesses of all sizes in areas including: Business Skills, Customer Service, Executive Coaching, Employee Development, Energy Efficiencies, Human Resources, Leadership, Manufacturing, Sales, Safety, Sexual Harassment Prevention and Business Technology. 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) 865-9728, (530) 934-2144, (530) 895-2429
(See page 257 for map to Glenn Center)

The Glenn County Center is Butte College's base of operations for the Glenn County area, which includes the communities of Orland, Willows, and Hamilton City. A variety of course offerings are available in Glenn County, including an extensive list of general education/transfer classes.

Classes are held from 8 a.m. to 9:30 p.m. with classes also offered at other locations within the county. The center provides many student services, including admissions, registration, assessment, counseling, and financial aid assistance. Disabled Student Programs and Services is available on an appointment basis. Test proctoring is also available at the Glenn County Center.

Public transportation to the Glenn County Center is available through Glenn Ride Transit. Students can access Glenn Ride from locations throughout Glenn County and Chico. Glenn Ride is online at **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 and technical education programs which prepare students for a career upon graduation, and transfer programs 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 students an Associate of Arts or Associate of Sciences degree, local specialized certificates, and Certificates of Achievement in many areas.

Distance Learning

Butte College provides a variety of online courses that offer convenience and flexibility in the pursuit of educational goals. For more information on Distance Learning courses, visit **www.butte.edu/distance** 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** to find out more, to download applications, and to learn about financial aid available. Additional information can be obtained by calling the office of Study Abroad at (530) 895-2415.

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 200 industry driven training programs. Butte College trainers hold industry experience and credentialed certifications with Global Training Industry talent development partners holding over 40 years of proven expertise. Learning partners include Achieve Global, Development Dimensions International (DDI), Training Within Industry (TWI), and Occupational Safety & Health Administration (OSHA).

Training is delivered at employer locations and training facilities located at the Butte College Skyway Center on Notre Dame Boulevard in Chico, or through our certified virtual trainers using our webconference training platform.

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

Career and Technical Education



Offering the Ultimate in Community College Education

Career and Technical Education programs are designed to prepare students to enter their selected career or occupation and to advance socially, economically, and professionally within their selected careers. The College's plan for Career and Technical Education is an educational sequence that offers the potential of transfer for a baccalaureate degree but has the flexibility of preparing and allowing students to leave the sequence with gainful employment skills short of the attainment of this degree.

Associate Degree Programs

Designed for students who want the ultimate in a community college education: employment skills, plus general education development. Upon completion of the associate degree program, students may enter a skilled to semi-professional employment or advanced career education at another college or university.

Certificate of Achievement Programs

Developed for students who want to take virtually all work in specialized employment preparatory courses. Upon obtaining a certificate of achievement, students can enter skilled employment or continue for an additional year to obtain the Associate Degree.

Career Upgrading and Retraining Courses

Courses are offered at the College in a variety of occupations and on a number of levels, depending upon the expressed needs of people in the college community.

Planning to Transfer?

Students planning to transfer to a four-year college must complete coursework as outlined on pages 118-122. Make a counseling appointment for assistance with transfer planning.

Career Programs Offered At Butte College

Agriculture
- Agriculture Business 57
- Agriculture Science 58
- Environmental Horticulture 79
- Heavy Equipment Operation Technician 87
- Mechanized Agriculture 95
- Natural Resources Management 100

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- Graphic Design for Print 86
- Photography 104

Auto Industry/Engine Mechanics
- Automotive Technology 59

Beautician/Hair Stylist
- Cosmetology 71

Business
- Accounting 54
- Business Management 60
- Computer Applications 65
- Marketing 94
- Real Estate 107
- Retail Management 60
- Small Business/Entrepreneurship 60

Computer
- Computer Networking 67
- Computer Programming 68
- Computer System Administration 69

Child Care and Pre-School
- Early Childhood Education 76

Construction and Drafting
- Drafting and CAD Technology 74

Design
- Graphic Design for Print 86

Drafting and Engineering
- Civil Engineering Technology 64
- Drafting and CAD Technology 74

Forestry/Natural Resources
- Natural Resources Management 100

Fashion
- Fashion Merchandising 81

Fire Fighting
- Fire Technology 83

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Health Occupations
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EMT-Paramedic 78
Licensed Vocational Nursing 92
Registered Nursing 110
Registered Nursing: LVN to ADN.....112
Respiratory Care.....114

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Transfer Degree Programs



An Affordable and Attractive Option

Each year, many Butte College students transfer to universities to complete their baccalaureate degree work. These students' record of success is as good or better than students who enroll in the university as entering freshmen. The transfer pathway has resulted in thousands of individual success stories, and the number keeps growing.

The College's transfer programs offer coursework which can meet lower division General Education requirements for all campuses of the California State University and University of California systems. An extensive program of articulated coursework guarantees course equivalency between Butte College and four-year institutions in most major programs. This allows Butte College transfer students to arrive on the university campus as fully-prepared students with upper division (junior) standing.

Transfer students should use the community college to complete their lower division General Education requirements, lower division major preparation courses and, when necessary, complete skill development work in math, reading, and English which prepares them for success in university-level courses. Butte College offers courses which fully address each of these needs. Articulation agreements with the UC and CSU systems can be obtained in the Counseling Office or Transfer Counseling Center.

Help With The Transfer Process

The transfer process can be confusing as it involves highly technical information. To attempt it without the assistance of a college counselor may lead to mistakes which are expensive in both time and money. To that end, the College offers students help through the Transfer Counseling Center, Counseling Office, Extended Opportunity Programs and Services, Disabled Students Programs and Services, Financial Aid, and the Career Center, as well as instructional faculty and college staff who are dedicated to helping students succeed. The ultimate responsibility for a successful community college transfer experience rests with the student. However, at Butte College, a support system is in place which allows students to reach their full academic potential as they achieve their educational goals.

Transfer Degree Programs Offered At Butte College

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Agriculture/Natural Resources 124
Agriculture Plant Science 125
Anthropology 126
Applied Computer Graphics 127
Art History 129
Arts 129
Biological Science 131
Business Administration 132
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Communication Studies 136
Computer Science 137
Criminal Justice 138
Early Childhood Education 134
Economics 139
Elementary Teacher Education 134
Engineering 140
English 141
Environmental Science 142
General Physical Education 148
Geography 143
Geology 144
Graphic Design 145
History 146
Journalism 147
Kinesiology 148
Language Arts 150
Liberal Studies 151
Mathematics 152
Music 153
Nutrition and Food Sciences 154
Physical Science 155
Physics 156
Political Science 157
Psychology 158
Social and Behavioral Science 159
Sociology 160
Studio Arts 129
Theatre Arts 161
University Studies 162

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 form 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, Chico Center, Glenn County Center, or Main Campus Welcome Center, (530) 895-2511.

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 and have completed an orientation session. *New College Students* must complete an in-person orientation which consists of a campus tour, meeting with a counselor, 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 (which does not allow the student to meet with a counselor) will register online through their MyBC account. See the *Quick Guide to Butte College Admissions 6 Steps to Enrollment* on page 12 for details. All applicants are urged to complete applications as early as possible.

Returning Students

Returning students may be required to submit an application after a break in enrollment at Butte College of one primary term (Fall or Spring) unless a planned educational leave is on file. Former Butte College students who are returning to the College should contact the Orientation Office at (530) 895-2416 to make sure they are cleared for registration. Orientation Office staff can explain the steps for re-entry into college. See the *Quick Guide to Butte College Admissions 6 Steps to Enrollment* on page 12 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 April and 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.

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 authorization 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 Intersession. 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. (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 April and 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 authorization on file by the deadline. (Complete Step 1, Step 4 (Assessment only) and Steps 5 & 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.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, 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.

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 "Times to Register" 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/Get Started" 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 may be 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, Oroville, CA 95965 or personally deliver paper applications to the Main Campus, Chico or Glenn County Centers' Office of Admissions and Records.

When an online application has been received, 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 **one or 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.
6. Students who have SAT Verbal or Critical Reading scores of 500, ACT English scores of 22, or EPT scores of 138 will be exempt from the BSA requirement. Students need to provide copies of test results.

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 necessary to ensure a smooth and successful transition into Butte College. After submitting an application, new students receive packets from the Admissions Office that directs them to contact 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 only. See the Exempt Class list.
3. Are enrolling in one or two non-exempt classes and do not intend to obtain a certificate or degree (Assessment is required for reading, English and math classes). Call (530) 895-2511 for enrollment information.

*These exemptions require verification prior to registration. Please contact the Orientation Office.

Registering for Classes

Registration dates, times and instructions on how to register for all students are available on page iv of the Class Schedule at **www.butte.edu** through the "Search for Classes" link or the Office of Admissions and Records website at **www.butte.edu/admissions** through the "Times to Register" 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 April for summer and fall terms and 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 V, 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. 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 until they have been officially added, as above.

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 Center for Counseling and Advising 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 do so, 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 Game, 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 non-resident fees by meeting the requirements of AB 540. 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 non-resident 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 non-resident 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 and Administrative Procedure 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 non-resident 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, 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.**

College Fees



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/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 or forward their Butte College email to an email they do check 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 information on financial aid and fee waivers, please see pages 19-22.**

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.

On-line - 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 their hours.

Payment Plan - Log in to MyBC and select "Account Balances and Fees" in Web Advisor. Click on My Account Summary by term to create a payment plan. 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.

Quick Guide to Butte College Fees

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

Enrollment Fees

California Resident $46 per unit

Nonresident $215 per unit
See page 15 for residency requirements.
Nonresident students pay regular enrollment and service fees in addition to the nonresident fees.

International Student $215 per unit
International students are defined as non-U.S. citizen students.
International students pay regular enrollment and service fees in addition to the international student fees.

Miscellaneous 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.

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

Textbooks and Supplies
Students purchase their own textbooks and supplies. The Butte College bookstore has all required items for sale. It is estimated that a full-time student spends approximately $300-$600 per semester for textbooks and supplies.

TeleReg $2 per semester
For students who use the phone registration service.

Service Fees

Transportation Fee — Required

Students enrolled in 6 or more units	$73 per semester
Students enrolled in 1.1 to 5.9 units	$55 per semester
Students enrolled in .1 to 1 unit	$20 per semester
Summer Session *(regardless of unit load)*	$37 per session

Health Services Fee — Required*

Fall/Spring Semesters *(regardless of unit load)*	$19 per semester
Summer Session *(regardless of unit load)*	$16 per session

(*Not charged for Winter Intersession*)

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

Student Activities Fee — Optional*

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*

All students $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

All Replacement Degree Fee $10 per degree
For all students who request a replacement for a degree previously issued.

Transcripts/Enrollment Verification Two copies free
Subsequent transcripts and enrollment verifications are $8.
On-demand services are available. See Semester Class Schedule for details.

Technology Fee — Optional*

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

*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.

6. Where a piece of equipment is so unique that it typically would not be owned either by the College or a student, the student may be asked to rent or purchase such an item.

Each term the cost for instructional supplies is reviewed by the departments in each instructional area. Recommendations for instructional supplies fees are made by program coordinators to the instructional deans. The deans evaluate the recommendations and forward recommended fees to the Vice President for Student Learning for review. The Vice President for Student Learning 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.gov**. Check **www.butte.edu/financialaid** for eligibility requirements. The application and all requested documents should be submitted to the Financial Aid Office by May 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 do not have to be repaid.

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

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) will automatically be considered for a BOGFW and do not have to complete a separate application. Students who do not file either may access a BOGFW application at **www.butte.edu/financialaid**. Click on "**BOG Fee Waiver**" under **Types of Aid** tab at top of page. 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.

Part-time Special High School Student Fee Waiver: Waives enrollment fees and some service fees for special part-time high school students enrolled in Butte College classes. Refer to Education Code Section 76001. Call the Office of School and College Relations at (530) 895-2949.

Board of Governors Fee Waiver (BOGFW)

The Board of Governors Fee Waiver 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 BOGFW Program waives the student's 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, and a TeleReg fee if they register by phone. See page 18 for a complete list of fees.

Qualifying for the BOGFW

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 BOGFW

Students interested in applying for the BOGFW will be automatically considered by completing the Free Application for Federal Student Aid (FAFSA) at **www.fafsa.gov**. Undocumented AB 540 students will be considered for the BOGFW 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 BOGFW application at **www.butte.edu/financialaid.** Click on "**BOG Fee Waiver**" under **Types of Aid** tab at top of page. Victims of trafficking and domestic violence should complete the PDF version.

Maintaining the BOGFW Eligibility

BOGFW 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 BOGFW status will be sent within 30 days following the end of the term that resulted in the probation. Students may file a Loss of BOGFW appeal form to have their eligibility restored for the term the loss occurred.

Students may lose the BOGFW 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 BOGFW, view the Financial Aid Office web site at **www.butte.edu/financialaid**. Click on "**BOG Fee Waiver**" under **Types of Aid** tab at top of page.

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 of credit from schools previously attended will count as both units attempted and units completed.

Time Frame: 'SAP' Quantitative Standard

Time frame is used to determine the maximum number of units for which a student may receive financial aid for their educational goal. Time frame includes transfer units and all unaided terms of attendance. Remedial units do not count as completed units when determining time frame requirements for SAP.

Associate degree objective: maximum of 90 units
Transfer objective: maximum of 90 units
Certificate of Achievement program: maximum of 45 units

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

When A Student Does Not "MAKE SAP"

"Making SAP" means meeting all three criteria: (1) 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.

Repeated Coursework

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

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

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

Regulations Pertaining To Loan Eligibility and Satisfactory Academic Progress

Repayment 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, page 46.
- 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, 2012 and annually thereafter.

Based upon the cohort defined above, 32.56 percent attained a certificate, degree, or became "transfer-prepared" during a three-year period (Fall 2012 to Spring 2015).

Based upon the cohort defined above, 8.27 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 2013 to Spring 2015).

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 on pages 31 and 34, online at **www.butte.edu/safety-security**, or by request from the Campus 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 Admission and Records provides a variety of services to students, faculty, and administration. The Office of Admission 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 Thursday, 8 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 the Career Center/TCC/Job Placement, SAS building, second floor

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 requirement. 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 Center

(530) 895-2340 - located in SAS 258

The Career Center offers a variety of career-related services and activities. Services include career counseling, career planning workshops, vocational assessments, major, college and labor market information.

Students may use the Career Center computers for career research. The Career Center subscribes to informative reliable career information websites and a computer based guidance system.

Career Counseling (located in SAS 210) is available on the Main Campus and at the Chico and Glenn County Centers by appointment. Call (530) 895-2340 for appointments and information.

Career Wednesdays

Career Wednesdays is a drop-in workshop held Wednesdays from 11 a.m. to 12:30 p.m. in the Career Center, SAS 258. Career Wednesdays allow students a quick way of getting their career or job search related questions answered. Topics covered include: career exploration, résumé reviews, online career resource exploration, job search strategies, major selection, scholarship searches and more.

Tuesday Résumé Workshops

The Job Placement staff offers a résumé workshop on Tuesdays from 1 p.m. - 2 p.m. in the Career Center, SAS 258. Students learn to develop strategies to better market their skills and experience to prospective employers. Topics covered include: developing eye-catching résumé formats, tailoring skills and experience to employers' needs, and driving home the urgency that résumés need to be mistake free.

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 at the 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), LRC 143, and CHC 231 at the Chico 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.

Cooperative Agencies Resources for Education (CARE)

(530) 895-2555 - located in the EOPS Office, SAS 281

This program provides support services for single parents receiving cash assistance from the county for themselves or a child(ren) under the age of 14 years. 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 center are available to provide students valuable counseling and guidance regarding their individual interests and abilities, schedule planning, transfer requirements, educational and vocational choices, resolution of personal issues, and adjustment to college life.

Counselors can assist students by providing essential information concerning Associate Degree and Certificate requirements, college policies and procedures, and by facilitating the student's transfer to four-year colleges and universities. They specialize in obtaining information about course equivalencies, requirements at other colleges, program requirements and course prerequisites. The Counseling Center also offers a variety of services and resources designed to aid students in choosing, changing, or confirming career goals and taking appropriate steps to reach those goals.

Unless exempted, all new students 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 made before the meeting with a counselor prior to enrollment. Students are not required to have a counselor's approval to enroll in a course; however, they are strongly advised to review their plans with a counselor prior to enrollment each semester.

Counselors are also available for personal counseling to assist students explore concerns and situations which may affect 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.

Disabled Student Programs and Services (DSPS)

(530) 895-2455 / (530) 895-2308 (TDD) - located in SAS, second floor

Disabled Student Programs and Services (DSPS) authorizes accommodations for eligible Butte College students who have either a permanent or temporary disability. Students with documented disabilities are encouraged to contact DSPS to determine their eligibility and need for accommodations. Students are responsible for identifying themselves as an individual with a disability, and providing appropriate documentation to be eligible for accommodations. Accommodations may include, but are not limited to, specialized programs and instruction, assistive technology, or modifications to existing procedures, programs or facilities. Requests for 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

This office provides a comprehensive array of services to full-time, 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.gov**. Also see pages 19-22 of 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 the Career Center/TCC, SAS, second floor

The Job Placement and Cooperative Education Office provides services to help students get jobs. We assist with part-time, temporary, on-campus, internships and full-time jobs. Our job board lists new local jobs daily. We focus 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.

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 .5 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 .5 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 Work Experience enrollment packets in the Job Placement Office, SAS 258.

Library

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

Monday - Thursday, 7:30 a.m. to 5:45 p.m., Friday 7:30 a.m. to 11:45
www.butte.edu/library

The Main Campus Library is located in the Frederick Montgomery Library building. The library has a collection of over 71,000 print books, 45,000 eBooks, and 65 databases of full-text articles. These resources, and many other services, are searchable and available from the library's website at **www.butte.edu/library**. A reserve collection of textbooks and other class-related materials, including headphones and calculators, are available for check-out. Interlibrary loan services provide books and articles not owned by the library. Users need a photo ID to borrow all library materials.

The Library Commons computer lab has access to the Internet and the Microsoft Office Suite via 73 computer workstations, including 5 assistive technology stations. An additional 48 computer workstations are in the instruction lab.

There are five student group study rooms on the third floor. Five DVD viewing stations are on the first floor. The library offers printing from all computers, copying and color scanning. 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 two, one-unit Library & Information Science (LIS) courses: LIS 11 Research Strategies and LIS 126 Library & Research Skills. Librarians are available to help with research in person, by telephone, via email, during open hours or through online reference chat any time.

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

Reference librarians provide library instruction, drop-in workshops and reference services Monday through Thursday, 10 a.m. to 4 p.m.

DVD viewing stations, 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 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 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.
Office Hours Monday - Thursday, 8 a.m. to 5 p.m., Friday, by appointment.
The mission of Safe Place & Wellness Program is to 1) offer a visible support system for victims of sexual assault, intimate partner violence and stalking through outreach, crisis intervention, legal advocacy, and educational programming; http://butte.edu/services/transfercenter/TAGS.html 2) implement educational and resource development activities available to all Butte College faculty, staff, and students in order to better educate our campus community about mental health and safety issues. Our office is confidential and privileged.

Service Learning and Volunteerism

(530) 895-2340 - located in Career Counseling, SAS 210, second floor
Service Learning connects learning with action in real life situations outside of the classroom. Students have the opportunity to learn and develop as leaders through active participation in their own communities in a way that 1) meets important community needs; 2) provides time to think, talk, and write about new experiences; 3) brings enthusiasm to school work and enhances critical thinking skills; and 4) opens avenues for career exploration and promotes civic responsibility. Enroll in IDST 94 (1 unit), to get credit for your volunteer experience.

Student Health Clinic (SHC)

(530) 895-2441 - located north of the ARTS building, in parking lot 3C
www.butte.edu/shc/
The Student Health Clinic (SHC) helps students get well, stay well, and remain in school, so that they will 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 urgent medical emergencies the services also include immunizations, screening and treatment for tuberculosis, diabetes, blood borne diseases and illnesses, cardiovascular disease, sexually transmitted diseases, and other disorders. The Student Health Clinic offers mental health services and treatment including ADHD evaluation, testing and treatment. Common issues bringing students to therapy include anxiety, PTSD, depression, stress, substance abuse, eating disorders, relationship issues and other mental health issues. The clinic 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 Clinic.

SHC hours are from 7:30 a.m. to 12:30 p.m., and 1:30 to 4:30 p.m. Monday through Thursday, and from 8 a.m. to 12 p.m. on Friday. Walk in services are available Wednesdays and Fridays from 8:00-10:30 a.m. Patient medical needs and therapy sessions are confidential.

Student Retention Services

(530) 879-6260 • SAS 258, 2nd floor

Student Retention Services provides one-on-one assistance and referral to intervention support services for probationary level 1 and 2 students. This service is designed to help students in identifying and utilizing available resources to be successful in their current and future terms here 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 over 25 new 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)

The TCC also hosts a Transfer Day Fair each fall. The fall 2015 Transfer Day included representatives from over 23 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.

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 link 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 Office of Veterans Services assists students who have served in the branches of the U.S. Armed Forces as well as dependents of veterans who have served. Students wishing to apply for any of the VA's educational benefits should contact this office as soon as they plan to enroll. Veterans may be eligible for priority registration after being certified by the Certifying Official in the Veterans Services Office. Because Veterans Administration regulations pertaining to educational benefits are subject to change, students should periodically check with the office to ensure they are aware of and are following the latest regulations. Also see **www.butte.edu/veteransservices** for additional information.

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 Life

College Mascot
ROADRUNNER

College Colors
BLACK and GOLD

Butte College Art Gallery

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

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 Alliance.

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.

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 10 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/as/clubs.html**. Active clubs include:

- African Student Association
- Ag Ambassadors
- Agape Christian Fellowship Club
- Art Production Club
- Asian Student Association
- Association of CAD and Modeling
- Automotive Skills Club
- Black Student Union
- California Student Sustainability Coalition CSSC
- Chess Club
- Chinese Student Association
- Computer Science Club (ACM) Chapter
- Cultures and Civilization Club
- Deaf Education Awareness Club
- Drama Club
- Enactus Club
- Environmental Horticulture Club
- Fashion Club
- Foreign Languages Club
- Friends of the Refuge
- Gender-Sexuality Alliance Club
- International Club
- Literary Arts Club
- MESA Club
- Music and Audio Production Club
- National Student Nursing Association
- Pacific Islander Club
- Peace Project
- Phi Theta Kappa Honor Society
- Pre Health Professionals
- Science Club
- Sigma Alpha Pi
- Sports Medicine Club
- Student Veterans Org
- Symbiotic Solutions Club
- Welding Club

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.

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 Department Chair, Stacey Bartlett at (530) 895-2243, or Director of Forensics, Stephen Ban at (530) 895-2263, LRC 270.

Student Government (Associated Students)

The Associated Students (AS) is a student-elected body of officers who represent Butte College students in all facets of campus governance, campus events, and activities. Elections for AS officers are held each Spring semester. Coordinators and representative positions are appointed throughout the year. Visit the AS office 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 Week ..... September
Career and Transfer Day ..... September
Job Fair..... September & May
National Hispanic Heritage Month ..... September
Club Promotion Days.....September & February
Campus Sustainability Day..... October
Harvest Festival ..... October
Day of the Dead (Dia de los Muertos) ..... November
International Education Week..... November
Native American Month ..... November
Holiday Bash ..... December
Black History Month.....February
Wellness Fair.....March
Women's History Month .....March
Diversity Days.....April
Earth Day Celebration .....April
Asian Pacific Islander Day.....May
Club Challenge.....May
Spring Carnival.....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 13522 of the California Penal Code relative to recruitment and training. College Police officers have peace officer authority pursuant to California Penal Code Section 830.32A and Educational Code 72330. They are required to receive the same training as municipal police or deputy sheriff's as mandated by the State of California. 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 results 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. Car pool 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

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**.

Reported in compliance with the Jeanne Clery Disclosure of Security Policy and Campus Crime Statistics Act For calendar years 2013, 2014, 2015.

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Crime Classification	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015
Murder & Non-negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Sex Offenses: Forcible-Non Forcible	0	0	0	0	0	0	0	0	0	0	0	0
Sex Offenses: Forcible	0	0	0	0	0	0	0	0	0	0	0	0
Sexual Assault	0	0	0	0	0	0	0	0	0	0	0	0
Rape	0	0	0	0	0	0	0	0	0	0	0	0
Fondling	0	0	0	0	0	0	0	0	0	0	0	0
Incest	0	0	0	0	0	0	0	0	0	0	0	0
Statutory Rape	0	0	0	0	0	0	0	0	0	0	0	0
Robery	0	0	0	0	0	0	0	0	0	0	0	0
Dating Violence	0	0	0	0	0	0	0	0	0	0	0	0
Domestic Violence	2	4	1	0	0	0	0	0	0	2	4	1
Stalking	5	1	0	0	0	0	0	0	0	5	1	0
Aggravated Assault	1	0	0	0	0	0	1	0	0	2	0	0
Burglary	3	2	1	0	0	0	1	1	0	4	2	1
Arson	0	0	0	0	0	0	0	0	0	0	0	0
Motor Vehicle Theft	1	1	3	0	0	0	0	0	0	1	1	3
Crime Totals	12	8	5	0	0	0	2	1	0	14	8	8

Arrests/Referrals for Selected Offenses

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Offenses Type	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015
Liquor Law Violations												
Arrests	1	3	0	0	0	0	0	0	0	1	3	0
Referral	2	7	2	0	0	0	0	0	0	2	7	2
Drug Law Violations												
Arrests	1	1	2	0	0	0	0	0	0	1	1	2
Referral	1	8	2	0	0	0	0	0	0	1	8	2
Weapons Possession												
Arrests	1	0	0	0	0	0	0	0	0	1	0	0
Referral	1	0	0	0	0	0	0	0	0	1	0	0

	On Campus[1]			Public Property[2]			Non-Campus Property[3]			Crime Classification Totals*		
Hate Crimes	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015
as Defined by the UCR	0	0	0	0	0	0	0	0	0	0	0	0
bias (Gender Identity)	0	0	0	0	0	0	0	0	0	0	0	0
bias (National Origin)	0	0	0	0	0	0	0	0	0	0	0	0

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

Definitions of Clery Act Crimes and Hate Crimes can be found at **www.butte.edu/safety-security**, pages 17-19.

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

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

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

Crime Prevention

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

Students are asked to:

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

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 on page 39. 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 in 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:
Butte College Police Department 9-1-1, (530) 895-2351
Safe Place ..... (530) 879-6185
Student Health Clinic..... (530) 895-2441
VP for Student Services ..... (530) 895-2239
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 help preserve evidence, do not douche, bathe, change clothing, or remove anything from the location of the assault.
- Call or ask someone to call an advocate from Rape Crisis who can assist you in notifying the appropriate agencies. If you wish an on-campus advocate, call Safe Place (530) 879-6185.

A survivor may request a change in academic and living situations after an alleged sexual assault, if the changes are reasonably available. Contact the Vice President for Student Services (530) 895-2239 to receive additional information.

Sexual Assault Victim's Bill of Rights
Under federal law, sexual assault survivors are afforded certain basic rights. The College will notify survivors of sexual assault of their option to report their assault to the proper law enforcement authority and of the following rights:

- The accuser and the accused are entitled to the same opportunities to have others present during a campus disciplinary proceeding.
- Both parties shall be informed of the outcome of any disciplinary proceeding and any sanction that is imposed against the accused.
- Survivors shall be informed of their options to notify law enforcement.
- Survivors shall be notified of counseling services.
- Survivors shall be notified of options for changing academic and living situations if the changes are reasonably available.

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

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 accuser and the accused are entitled to the same opportunities to have others present during a campus disciplinary proceeding. Both shall be informed in the final determination of the proceeding and any sanction that is imposed against the accused. Sanctions: Rape and sexual assault are criminal violations of California sexual assault laws and violations of the College's Student Code of Conduct. Anyone charged with a sexual assault violation which is campus-related may be subject to a criminal charge filed against the individual, and/or an administrative proceeding initiated by Butte College. Proceedings may occur concurrently. Students found responsible may be expelled, suspended, placed on probation, or given a lesser sanction in accordance with sections 41301- 41302 of Title 5, California Code of Regulations.

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 be responsible only to the Superintendent/President and the Board of Trustees.

Disciplinary Actions

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

Legal Sanctions

Drug or alcohol abuse on campus or at college-sponsored functions could result in suspension, expulsion, or criminal prosecution. Students should be aware of these penalties.
Possession or use of alcohol: one year in jail and/or fine.
Possession or use of alcohol by minor: one year in jail and/or fine.
Possession of marijuana: less than 1 oz: a fine; more than 1 oz: county jail and/or fine.
Possession of cocaine: imprisonment for one year.
Sale of any illegal drug: imprisonment in a state prison.
Students are required to report any convictions within five days of the occurrence. If students are a student employee, their employment may be terminated.

Students will be ineligible for financial aid.

Health Risks of Use/Abuse of Drugs and Alcohol

In general, drug and alcohol misuse may cause

Impaired performance: due to drowsiness, poor concentration, memory loss, and indifference

Impaired judgment: leading to accidents, unwanted pregnancy, sexually-transmitted diseases, violent behavior, and financial problems.

Specific risks of drug and alcohol misuse include

Alcohol: lowered resistance to disease ulcers, sexual dysfunction, liver, heart and pancreas damage, brain damage, cancer

Cocaine: depression, seizures, cardiac arrest

Marijuana: lung damage, cardiovascular problems, loss of brain cells

MDMA: degeneration of neurons, brain damage, heart disease

Intravenous drug use: schizophrenia, difficulty with pregnancy, brain and nerve damage, sudden death

PCP: can spread hepatitis and HIV

Alcohol/Drug Treatment and Referral Sources

On Campus

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

Off Campus

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

District Policy Statements

Nondiscrimination

Butte College advises students, parents, employees and the general public that all Career Technical Education and other College Programs are offered without regard to race, color, national origin, gender, gender identity, sexual orientation, religion, or disability. The lack of English speaking skills or visual/hearing impairment will not be barriers to admission or participation in Career Technical Education and other College Programs. Contact on issues regarding Title IX and Section 504 may be made to Allen Renville, Vice President for Student Services, Campus Center, Room 141, (530) 895-2239.

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 person who is otherwise qualified may request accommodation related to their disability. The procedures for requesting accommodations are maintained in the Vice President for Student Services/ADA Coordinator Office, and in the Disabled Student Programs and Services Office. The ADA Coordinator for Butte College is Allen Renville, Vice President for Student Services, Campus Center, Room 141, (530) 895-2239.

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.

Academic Achievement

Grade Reports and Transcripts
Grade reports and unofficial transcripts 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, IP, and RD have no effect on GPA.

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

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

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

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

NP (No Pass)
To obtain this grade, coursework is not satisfactory, or failing. Units graded with the "NP" symbol are not included in determining GPA. This grade is used in determining progress probation and dismissal.

I (Incomplete)
Incomplete academic work for an unforeseeable emergency and justifiable reason at the end of the term may result in an "I" symbol being entered in a student's record. The condition for removal of the "I" and the grade to be assigned in lieu of its removal is stated by the instructor on the "Incomplete Grade Report," signed by the student, and submitted by the instructor at the end of each term. The original copy of the "Incomplete Grade Report" 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.

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

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

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

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

1. For each course, an Election for Optional Pass/No Pass form must be completed and submitted to the Office of Admissions and Records prior to the last day of the fifth week of instruction, or during the first 30 percent of an irregular term course.
2. Unless an I, RD, W, 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 for Student Learning. 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 pages 32-33.

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.

Alternative Degree Credits

Acceptance of Transfer Credit

Students who have attended other colleges or universities may transfer credit to Butte College depending upon the outcome of an evaluation of an official transcript from that college or university. Transfer credit will be counted toward an Associate Degree or Certificate if completed at a Regionally Accredited Institution. Official transcripts, when received, will be reviewed by an Admissions and Records evaluator and Associate Degree level units will be accepted as elective credit if completed at a Regionally Accredited College or University. To determine if a course is equivalent to, or is an acceptable substitute for a course or program prerequisite or for a required course in an established Career Major or Program the course must be reviewed and approved by a faculty representative from that major or program area. In order for a course to be considered for General Education purposes it must be evaluated by a Counselor and determined to be either equivalent to a Butte College General Education course or an approved General Education course in a corresponding category at the institution where is was completed.

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 (hand carried copies will not be accepted). All "Units" **are semester units** unless otherwise indicated.
- **Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.**
- **If no Butte College course equivalency; credit for the major may be granted via waiver/substitution petition submitted to the department.**

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
AP Exam	Butte GE Area & Course (See note above)	Semester Units	CSU GE Area	CSU GE Units Earned	CSU Transfer Units Earned	IGETC GE Area	IGETC GE Units Earned	UC Transfer Units Earned
Art History	Area C	6	C1 or C2	3	6	3A or 3B	3	5.3
Studio Art - 20 Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art - 30 Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art Drawing	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
AP Studio Art Limitation								*minimum 5.3 units total for 3 exams
Biology	Area A	6	B2 and B3	4	6	5B (w/lab)	4	5.3
Calculus AB	Area E; Math Competency	3	B4	3	3*	2A	3	2.7**
Calculus BC	Area E; Math Competency	6	B4	3	6*	2A	3	5.3**
AP Calculus Exam Limitations					*only one exam may be used towards transfer			**Maximum credit 8 qrt/5.3 semester units for both
Chemistry	Area A	6	B1 and B3	4	6	5A(w/lab)	4	5.3
Chinese Language & Culture	Area C	6	Area C	3	6	3B and 6A	3	5.3
Computer Science A	Area E	3	N/A	N/A	3*	N/A	N/A	1.3*
Computer Science AB	Area E	6	N/A	N/A	6*	N/A	N/A	2.7*
AP Computer Science Exam Limitations					*only one exam may be used towards transfer			**Maximum credit 8 qrt/5.3 semester units for both
Economics - Macroeconomics	Area B	3	D2	3	3	4B	3	2.7
Economics – Microeconomics	Area B	3	D2	3	3	4B	3	2.7
English - Language & Composition	Area D; Read/ Writing Competency ENGL 2	6	A2	3	6	1A	3	5.3*
English - Literature & Composition	Area C & D; Read/Writing Competency ENGL 2	6	A2 and C2	6	6	1A or 3B	3	5.3

Advanced Placement (AP) Test Scores (Continued)

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
AP Exam	Butte GE Area & Course (See note above)	Semester Units	CSU GE Area	CSU GE Units Earned	CSU Transfer Units Earned	IGETC GE Area	IGETC GE Units Earned	UC Transfer Units Earned
AP English Exam Limitations								**Maximum credit 8 qrt/5.3 semester units for both
Environmental Science	Area A	4	B1 and B3	4	4	5A (w/lab)	3	2.7
French Language	Area C	6	C2	3	6	3B and 6A	3	5.3
French Literature	Area C	6	C2	3	6	3B and 6A	3	5.3
German Language	Area C	6	C2	3	6	3B and 6A	3	5.3
German Language & Culture	Area C	6	C2	3	6	3B and 6A	3	5.3
Government & Politics - Comparative	Area B	3	D8	3	3	4H	3	2.7
Government & Politics - U.S.	Area B	3	D8 and US2	3	3	4H	3	2.7
History – European	Area B or C	6	C2 or D6	3	6	3B or 4F	3	5.3
History – U.S.	Area B or C	6	C2 or D6	3	6	3B or 4F	3	5.3
History – World	Area B or C	6	C2 or D6	3	6	3B or 4F	3	5.3
Human Geography	Area B	3	D5	3	3	4E	3	2.7
Italian Language & Culture	Area C	6	C2	3	6	3B and 6A	3	5.3
Japanese Language & Culture	Area C	6	C2	3	6	3B and 6A	3	5.3
Latin – Vergil	Area C	3	C2	3	3	3B and 6A	3	2.7
Latin – Literature	Area C	6	C2	3	6	3B and 6A	3	2.7
Music Theory	Area C	6	C1 (if taken prior to Fall 2009)	3	6	N/A	N/A	5.3
Physics B	Area A	6	B1 and B3	4	6	5A (w/lab)	4	5.3
Physics C – Mechanics	Area A	4	B1 and B3	4	4	5A (w/lab)	3	2.7
Physics C – Electricity & Magnetism	Area A	4	B1 and B3	4	4	5A (w/lab)	3	2.7
AP Physics Exam Limitations					*Maximum 4 semester units toward GE and 6 semester units towards transfer			**Maximum 8 quarter/5.3 semester units for both
Psychology	Area B	3	D9	3	3	4I	3	2.7
Spanish Language	Area C	6	C2	3	6	3B and 6A	3	5.3
Spanish Literature	Area C	6	C2	3	6	3B and 6A	3	5.3
Statistics	Area E; Math Competency	3	B4	3	3	2	3	2.7

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 gives credit.
- **Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution.**

	BUTTE COLLEGE CERTIFICATION		CSU GE CERTIFICATION			IGETC CERTIFICATION		
IB Exam	Butte GE Area (See note above)	Semester Units	CSU GE Area	CSU GE Units Earned	CSU Transfer Units Earned	IGETC GE Area	IGETC GE Units Earned	UC Transfer Units Earned
Biology HL	Area A	6	B2	3	6	5A (wo/lab)	3	5.3
Chemistry HL	Area A	6	B1	3	6	5A (wo/lab)	3	5.3
Economics HL	Area B	6	D	3	6	4	3	5.3
Geography HL	Area B	6	D	3	6	4	3	5.3
History (any region) HL	Area B or C	6	C2 or D	3	6	3B or 4	3	5.3
Language A* Literature HL; score of "4" awards credit	Area C	6	C2	3	6	3B and 6A	3	5.3
Language A* and Literature (any except English) HL score of "4" awards credit	Area C	6	C2	3	6	3B and 6A	3	5.3
Language A1 (any language) HL; score of "4" awards credit	Area C	6	C2	3	6	3B	3	5.3
Language A2 (any language) HL; score of "4" awards credit	Area C	6	C2	3	6	3B	3	5.3
Language B* score of "4" awards credit	N/A	6	N/A	N/A	6	6A	N/A	5.3
Mathematics HL; score of "4" awards credit	Area E; Math Competency	6	B4	3	6	2A	3	5.3
Physics HL	Area A	6	B1	3	6	5A (wo/lab)	3	5.3
Psychology	Area B	3	D	3	3	4	3	2.7
Theater HL	Area C	6	C1	3	6	3A	3	5.3

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

College Level Examination Program (CLEP) Test Scores

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

	BUTTE COLLEGE CERTIFICATION			CSU GE CERTIFICATION		
CLEP Exam	Score	AA/AS GE for Butte College	Semester Units	CSU GE Area	CSU GE Units Earned	CSU Transfer Units Earned
American Government	50	Area B	3	D8	3	3
American Literature	50	Area C	3	C2	3	3
Analyzing and Interpreting Literature	50	Area C	3	C2	3	3

College Level Examination Program (CLEP) Test Scores (Continued)

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

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

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.

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.

Students enrolled in an online course must access it within the first 24 hours of the start of the course, or they may be dropped as "no shows."

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 page 38 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, next column), 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.

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.

"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 Classes During the Final Four Weeks

During the final four weeks of instruction a W 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 and submit the drop card with a completed Academic Council Petition to the Counseling and Advising Center. If a student is unable to complete the paperwork the Counseling and Advising Office 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.

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, 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 session 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.

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.

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) 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.butte.edu/admissions** for information on course repetition.

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

Revision of Regulations

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

Special Studies/Problems

Special Studies/Problems courses provide an opportunity for students to carry out a supervised individual field, laboratory, or library research project in a subject area relevant to their major and are designed primarily for students studying in areas not covered by the College's curriculum. Any student interested in registering for a Special Studies/Problems course should contact a full-time instructor in the appropriate area no later than the last day of the tenth week of instruction.

Enrolling in Special Studies/Problems

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

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.

Career and Technical Education Programs

Certificate and Associate Degree Programs

Career Degree • Certificate • Training Programs
Offered for the 2016-2017 Academic Year

Unless indicated otherwise, all programs offer a certificate and a degree

*Programs listed with one asterisk offer a degree only **Programs listed with two asterisks offer a certificate only

Agriculture Programs
- Agriculture Business 57
- Agriculture Science* 58
- Environmental Horticulture 79
- Heavy Equipment Operation Technician** 87
- Mechanized Agriculture 95
- Natural Resources Management 100

Arts Programs
- Graphic Design for Print* 86
- Photography 104

Automotive Technology 59

Business Programs
- Accounting 54
- Business Management 60
- Computer Applications 65
- Legal Office Administration 90
- Marketing 94
- Medical Office Administration 96
- Office Administration 102
- Real Estate 107
- Retail Management 60
- Small Business/Entrepreneurship 60

Computer Science
- Computer Networking 67
- Computer Programming 68
- Computer System Administration 69

Civil Engineering Technology 64

Cosmetology 71

Drafting and CAD Technology 74

Early Childhood Education 76

Fashion Merchandising 81

Geographic Information Systems** 85

Health Occupations
- Certified Nursing Assistant/Home Health Aide** 63
- EMT - Paramedic 78
- Licensed Vocational Nursing 92
- Registered Nursing* 110
- Registered Nursing: LVN to ADN 112
- Respiratory Care 114

Multimedia Studies 98

Public Safety Education and Training Programs
- Administration of Justice 56
- Court Personnel - Pre-law 73
- Fire Technology 83
- Law Enforcement Academy-Basic 88
- Law Enforcement Academy-Basic/Fish and Game 89

Radio-TV-Film 105

Recording Arts 109

Welding Technology 116

Certificate and Associate Degree Programs

The Butte-Glenn Community College District offers Career and Technical Education programs designed to prepare students to enter their selected career or occupation, and to advance socially, economically, and professionally within their selected careers. The District's plan for Career and Technical Education is an educational sequence that offers the potential of a Baccalaureate Degree but has the flexibility of preparing and allowing students to leave the sequence with gainful employment skills short of the attainment of this Degree. Gainful Employment Disclosure information is included with individual Career and Technical Education certificate programs in this catalog.

Associate of Arts (AA) and/or Associate of Sciences (AS) Degree Programs
These programs are for students who want and are capable of the ultimate in a community college education: employment skills plus General Education development. Upon completion of the Associate Degree program, that student may enter skilled to semi-professional employment or advanced career education at a state university.

Certificate of Achievement Programs
These programs are for students who want to take virtually all their work in specialized employment preparatory courses. Upon obtaining a Certificate of Achievement, the student can enter skilled employment or continue taking courses toward an Associate Degree.

Career Upgrading and Retraining Courses
Courses will be offered at the community college for a variety of occupations on a number of levels depending upon the expressed needs of people in the college community.

Planning To Transfer?
Students planning to transfer to a four-year college with their General Education requirements certified by Butte College must complete additional coursework as outlined in the new GE requirements. See pages 118-122 for information on transfer GE requirements.

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 our students for life-long learning through the mastery of basic skills, the achievement of degrees and certificates, and the pursuit of career and transfer pathways."

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.

Requirements for Certificates and degrees

Certificates

Certificates of Achievement are given to indicate a satisfactory level of achievement in selected programs requiring less than two years of full-time study. Some programs require full-time registration; others may be completed over an extended period of time in the regular day and Evening College classes.

Certificate of Achievement programs are comprised of either (1) a complete curriculum pattern, or (2) a major and related courses selected from an Associate Degree curriculum on the recommendation of the appropriate advisory committee. The following restrictions apply to such programs:

1. Students must obtain a “C” grade or better for each course used in a prescribed pattern of courses in the student’s certificate.
2. Students must take a minimum of 6 units in residence at Butte College.
3. Students must maintain a minimum cumulative grade point average of 2.0.

Other Certificates are given to indicate a student's satisfactory completion of short-term courses or programs, such as the Nursing Assistant Program.

AS and AA Degrees

Upon completing state and local academic requirements and filing an Application for Graduation, students may be awarded an Associate Degree.

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 on page 37 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.

Major Requirement

Students must complete one of the established Associate Degree majors as listed in this Catalog. Students must obtain a "C" grade or better in each class used within the major.

General Education Requirements

Students must complete a minimum of 20 semester units of General Education, distributed according to the GE pattern beginning on page 52.

Competency Requirements

Students must complete competency requirements in writing, math, reading, and multicultural breadth. See a counselor and/or page 53 for more information.

Unit Requirement

Students must complete an overall minimum of 60 degree applicable semester units.

Application Requirements

Students must file a formal Application for Graduation by the deadline noted in the online *Semester Class Schedule* PDF. Applications are filed through the Counseling Center. Students may apply to graduate in either fall, spring, or summer. 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. Independent Studies/Work Experience—A cumulative maximum of 4 semester units of the following type of courses apply toward graduation: general work experience (WKE), Special Studies/Problems (courses numbered 95 and/or 97).
3. 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. Beginning Fall Semester 1990, 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. Units earned through Credit by Examination do not apply towards this residency requirement.

General Education areas and courses which satisfy requirements for AA and AS degrees

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

Students must complete a minimum of 20 semester units of General Education, distributed according to the following pattern:

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.

Minimum requirement: one 3-unit course

AGS 20, 30, 40, 50
ANTH 2, 2H
BIOL 1, 2, 5, 7, 9, 9H, 10, 11, 12, 13, 15, 20, 21
CHEM 1, 2, 21, 22, 51, 52
FN 2
GEOG 2, 3
GEOL 32, 34
NR 28
PHYS 10/11*, 21, 22, 41, 42, 43
PSC 10, 11, 12, 20/21*, 30, 30H, 50/51*, 53
PSY 3

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.

Minimum requirement: one 3-unit course

AGS 10
AJ 1, 2
ANTH ..... 4+, 4H, 13+, 14+, 16, 18+, 32+, 33+, 34+
BUS 20
CDF 12, 14
CMST ..... 1, 9+, 10, 13
ECON 2, 4, 20, 20H, 25, 35
GEOG ..... 4+, 5+, 8+, 10+, 12+
HIST ..... 3, 5, 6+, 8, 10, 18+, 20+, 26, 30
HUM 17
MCS ..... 32+, 36+, 38+
NR ..... 26+
POS 2, 3, 12, 14, 16, 18
PSY ..... 1, 6, 7, 11, 15, 16, 24, 41+
RTVF 12
SOC ..... 2, 4+, 5, 8, 10, 14, 20+, 30+

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.

Minimum requirement: one 3-unit course

ANTH 17
ART ..... 1+, 2, 2H, 3+, 4, 4H, 5, 6+
CHIN 1, 2
CMST 6
DRAM 2, 4, 8
ECON 20
ENGL ..... 4, 6, 8, 10, 14, 15, 16, 20, 21, 25, 26+, 35+, 45+, 47+, 52H, 53H
FASH 74
FREN 1, 2
GERM 1, 2, 3, 4
HIST 3, 5, 8, 10, 18, 26, 30
HUM 17, 22
ITAL 1, 2
JPN 1, 2, 3, 4
LATN 1, 2, 3
MUS ..... 1, 3, 5, 6, 7, 9+, 10, 12, 14, 16
PHIL ..... 2, 5, 16, 18+, 58
PHO 1
RTVF 13, 15
SIGN 1, 2
SPAN ..... 1, 2, 3, 4, 14+, 16+

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.

Minimum requirement: one 3-unit course

ENGL 2

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 endeavors.
- 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.

Minimum requirement: one 3-unit course

CMST 2, 2H, 4, 14
CSCI 2, 4, 20
DFT 4
ENGL 11
MATH 4, 5, 7, 11, 12, 13, 18, 20, 26, 30, 31, 32, 40, 42, 108, 110, 124
PHIL 6, 8

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.

Minimum requirement: One 3-unit course plus two KIN Activity courses. The DD214 may be used to satisfy this requirement. The Self Integration 3-unit course (not physical education) is waived for students completing RT, Paramedic, VN, and ADN degrees; however, an additional 3 unit course from Areas A through E will be required.

BUS 62
CLP 30
CSL ..... 20+
ENGL 31
FN 2
HLTH 2, 10
LM 40
POS 92
PSY ..... 15, 20, 34+, 36
SOC 8, 14
KIN ..... 2 KIN Activity Courses

Competency Requirements for Graduation

Comparable course work from other accredited institutions may be substituted. Reading, writing, and math competency requirements cannot be waived. 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). See your counselor for further details.

A - Writing Competency

Upon successful completion of the 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.

This competency may be fulfilled by:

1. Satisfactory (P or C or better) completion of ENGL 2 or equivalent.

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.

This competency may be fulfilled by:

1. Satisfactory (P or C or better) completion of a MATH course numbered 4-42 (excluding MATH 7), or MATH 110, or MATH 124, or equivalent
2. Proof of a math score of 550+ on math portion of the SAT, or a score of 23 on the math portion of the ACT, or
3. Achieving MATH Level V on the Butte College Math Assessment.

C - Reading Competency

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

- Critically read and analyze college-level materials.
- Apply reading strategies to a variety of academic texts and materials.

This competency may be fulfilled by:

1. Satisfactory (C or better) completion of READ 2 or ENGL 2, or
2. Achieving Level V on the Butte College Reading Assessment, or
3. Proof of minimum English score on the SAT, ACT.

D - 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.

This competency may be fulfilled by:

1. Completion of one approved Multicultural course.

AJ 14, AJLE 140, 141, AGS 10, ANTH 4, 13, 14, 18, 32, 33, 34, ART 1, 3, 6, BUS 35, 64, CDF 57, 59, CMST 9, CSL 20, ENGL 26, 35, 45, 47, 53H, GEOG 4, 5, 8, 10, 12, HIST 3, 5, 6, 18, 20, 30, LVN Program, LVN to ADN Program, MCS 32, 36, 38, MUS 9, NR 26, PHIL 18, POS 14, PSY 34, 41, RN Program, RT Program, SOC 4, 20, 30, SPAN 14, 16.

Multicultural courses are marked with an + within the GE pattern.

Accounting

Career/Technical
AS Degree in Accounting
Certificate of Achievement in Accounting
Certificate in Account Clerk
Certificate in Tax Preparer

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

About the Program

The Accounting program is designed to teach students accounting principles and practices. The objective is to provide students with employable business skills and provide a framework for the further study of accounting and related business programs.

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.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Accounting:
www.butte.edu/curriculum/gainful-employment/0130800CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Accounting — 60 Units Minimum

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**

ACCT 20	Introduction to Accounting		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 13	Business Communication		3
BUS 20	Introduction to Business		3
BCIS 81	Microsoft Excel for Business		1
ACCT 2	Financial Accounting		4
BUS 8	Legal Environment of Business		3
ACCT 100	QuickBooks Pro-Computerized Accounting	(P)	2
BUS 35	Management and Human Relations		3
ACCT 4	Managerial Accounting	(P)	4
ACCT 110	Accounting for Payroll		3
BCIS 33	Skills for the Working Professional		1
ACCT 30	Accounting Capstone	(P)	4
Electives - Select 3 units from the following:			3
BCIS 18	Introduction to Business Technology (3)		
BUS 18	Database Design (4)		
ECON 4	Principles of Microeconomics (3)	(P)	
BUS 62	Personal Finance (3)		
ACCT 105	Income Tax Preparation (4)		

Certificate of Achievement in Accounting — 28 Units

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:

ACCT 20	Introduction to Accounting		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 13	Business Communication		3
BUS 20	Introduction to Business		3
BCIS 81	Microsoft Excel for Business		1
ACCT 2	Financial Accounting		4
ACCT 100	QuickBooks Pro-Computerized Accounting	(P)	2
BUS 35	Management and Human Relations		3
ACCT 110	Accounting for Payroll		3
BCIS 33	Skills for the Working Professional		1
Electives - Select 3 units from the following:			3
BUS 62	Personal Finance (3)		
ECON 4	Principles of Microeconomics (3)	(P)	
BCIS 18	Introduction to Business Technology (3)		
ACCT 105	Income Tax Preparation (4)		
BUS 18	Database Design (4)		
BUS 8	Legal Environment of Business (3)		

Certificate in Account Clerk — 14 - 15 Units

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:

ACCT 128	Bookkeeping		2
or ACCT 20	Introduction to Accounting (3)		
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 13	Business Communication		3
BCIS 81	Microsoft Excel for Business		1
ACCT 100	QuickBooks Pro-Computerized Accounting	(P)	2
BCIS 33	Skills for the Working Professional		1
Electives - Select 3 units from the following:			3
BCIS 18	Introduction to Business Technology (3)		
BUS 62	Personal Finance (3)		
ECON 4	Principles of Microeconomics (3)	(P)	
ACCT 105	Income Tax Preparation (4)		
BUS 18	Database Design (4)		

Certificate in Tax Preparer

15 Units

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.

Required courses for the certificate:

ACCT 20	Introduction to Accounting		3
ACCT 105	Income Tax Preparation		4
BCIS 46	Electronic Calculator (Ten-Key)		2
ACCT 100	QuickBooks Pro-Computerized Accounting	(P)	2
BCIS 81	Microsoft Excel for Business		1
Electives - Select 3 units from the following:			3
BCIS 13	Business Communication (3)		
BCIS 18	Introduction to Business Technology (3)		
BUS 62	Personal Finance (3)		
ECON 4	Principles of Microeconomics (3)	(P)	
BUS 18	Database Design (4)		

Administration of Justice

Career/Technical
AS Degree in Administration of Justice
Certificate of Achievement in Administration of Justice

Administration of Justice Program
www.butte.edu/departments/careertech/publicsafety/
Mike Maloney, Director (530) 879-4349
Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378

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 game. 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.

Students interested in this major should contact the Public Safety Education and Training Center on the Butte College Main Campus. Any modification of this program must have the approval of the Dean for the Office of Career and Technical Education, or the Director of the Public Safety Education and Training Center.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Administration of Justice:
www.butte.edu/curriculum/gainful-employment/0726900CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Administration of Justice — 60 Units Minimum

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

Certificate of Achievement in Administration of Justice — 29.5 Units

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:

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 13	Organized Crime/Gangs		3
AJ 14	Community Oriented Policing		3
AJ 10	Juvenile Procedures		3
AJ 11	Criminal Procedure		3
AJ 99	Work Experience-AJ	(P)	.5

Agriculture Business

Career/Technical
AS Degree in Agriculture Business
Certificate of Achievement in Agriculture Business

Agriculture Business Program
www.butte.edu/departments/careertech/agriculture/
Bruce Hicks, Chair (530) 895-2514
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Agriculture Business program provides the student with employable skills and provides a framework for further study if desired. Course work is practical and broad-based. Emphasis is placed on the development of skills in business management, marketing, finance, computers, human relations, and agricultural accounting.

The computer labs, campus farm, and greenhouses provide an ideal setting for hands on learning. To gain practical experience on and off campus internships are available. Numerous area agriculture businesses provide opportunities for field trips, internships, and employment. Student clubs such as the Agriculture Ambassadors provide opportunities for leadership development and community service.

Career Opportunities

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.

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Agriculture Business — 60 Units Minimum

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**

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

Certificate of Achievement in Agriculture Business — 19 Units

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:

AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1
AB 22	Agricultural Economics	3
AB 25	Computer Applications in Agriculture	3
AB 26	Introduction to Agriculture Business	3
AB 50	Agricultural Accounting	3
AB 54	Supervision and Management in Agriculture	3
AGS 20	Plant Science	3
or AGS 40	Introduction to Animal Science (3)	

Agriculture Science

Career/Technical
AS Degree in Agriculture Science

Agriculture Science Program
Bruce Hicks, Chair (530) 895-2514
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Agriculture Science program offers an Associate of Science degree for those students interested in a more general course of study. Students with a background in production agriculture, 4-H or FFA will find success in this program as they pursue a career with an emphasis in agriculture sciences, agriculture education, and agribusiness occupations.

Career Opportunities

California ranks first in the nation in annual gross agricultural returns. The livestock industry and over 250 specialty crops provide a variety of career choices. Trained personnel are employed on ranches and farms, as well as the vast agriculture service industry. Career opportunities also exist with governmental agencies. Every year there are several openings in Agriculture Education in California as well as other states.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Agriculture Science — 60 Units Minimum

Student Learning Outcomes

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

- Identify and apply the principles and techniques of modern crop and livestock management.
- Describe fundamental care practices for animals, including selection, handling and management.
- Distinguish common types of agricultural pests including weeds, diseases, and insects.
- Calibrate plant protection equipment including hand-held, ATV, trailer, and orchard sprayers.
- Select appropriate fertilizers, basic application methods, and recognize their effect on plants and the environment.
- Describe how breeding, genetics, and biotechnology are used to increase agricultural production.
- Demonstrate scientific evaluation skills including interpreting graphs and data from scientific papers.

Required courses for the major:			43 Units
AB 20	Careers in Agriculture, Environmental Science and Natural Resources		1
AB 22	Agricultural Economics		3
AB 25	Computer Applications in Agriculture		3
AB 26	Introduction to Agriculture Business		3
AB 50	Agricultural Accounting		3
AB 54	Supervision and Management in Agriculture		3
AET 30	Tractors and Crawlers		3
AET 34	Farm Machinery		3
AGR 99	Work Experience-AGR	(P)	2
AGS 50	General Soils		4
NR 26	Environmental World		3
or AGS 10	World Food and Hunger Issues (3)		
AGS 20	Plant Science		3
CMST 2	Public Speaking		3
Electives - Select 6 units from the following:			6
AET 26	Basic Surveying (3)		
AGS 30	Ecology of Insect and Disease Management (3)		
AGS 40	Introduction to Animal Science (3)		
AGS 45	Feeds and Feeding (3)		

Automotive Technology

Career/Technical
AS Degree in Automotive Technology
Certificate of Achievement in Automotive Technology

Automotive Technology Program
www.butte.edu/departments/careertech/automotive/
Rob Holt, Chair (530) 895-2549
Department Office: SC 115, (530) 879-6103
Counseling and Advising: (530) 895-2378

About the Program

The Automotive Technology program is a vocational core of courses designed to prepare students for employment as automotive technicians. Training is given in both theory and practical skills in the operation, maintenance and repair of today's automotive systems. Courses are held in a completely modern and well-equipped lab where the students learn the practical skills and work habits essential to sound pre-employment training. The program's goal is to produce a highly-skilled apprentice, entry-level technician with strong basic skills in both principles of operation and system service procedures. Butte College offers several ASE/NATEF-certified programs that lead to successful careers in the Automotive Technology industry. Each program has its advantages and offers different entry levels and income.

For more information, refer to the Butte Automotive Website:

www.butte.edu/departments/careertech/automotive/

Career Opportunities

For Career information please refer to our website: www.butte.edu/departments/careertech/automotive

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

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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Automotive Technology — 60 Units Minimum

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 major: — **48.5 Units**

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

Certificate of Achievement in Automotive Technology — 48.5 Units

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:

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

Business Management

Career/Technical
AS Degree in Business Management
AS Degree in Retail Management
AS Degree in Small Business/Entrepreneurship
Certificate of Achievement in Business Management
Certificate of Achievement in Retail Management
Certificate in Business on the Web
Certificate in Human Resources
Certificate in Small Business Institute

Business Management Program
Patrick Christensen, Chair (530) 895-2598
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

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.

Program specialties include: Management, Retail Management, and Small Business/Entrepreneurship.

To be successful, students need basic competence in reading, written and oral communication, and mathematics. Also, students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment and changing technology.

High school students are encouraged to take courses in business, mathematics, communication, and computer applications. Foreign language and social science courses would be helpful.

Career Opportunities

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.

Students completing the Certificate of Achievement in Business Management will increase their practical skills relating to devising plans, organizing tasks, leading others, and controlling operations. Students may pursue their interests in management, in general, or choose to focus on managing in retail and/or small business settings.

Gainful Employment Information
Certificate of Achievement in Business Management:
www.butte.edu/curriculum/gainful-employment/0131000CA.html

Certificate of Achievement in Retail Management:
www.butte.edu/curriculum/gainful-employment/0131701CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Business Management — 60 Units Minimum

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:			38 - 41 Units
BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
CMST 2	Public Speaking		3
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 8	Legal Environment of Business		3
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 40	Organization Management		3
BUS 44	Human Resource Management		3
BUS 25	Small Business Management		3
Electives - Select 1 course from the following:			2 - 4
BUS 50	Sales in Today's World (3)		
BUS 60	Advertising and Copywriting (3)		
BUS 68	Business on the Internet (3)		
BCIS 85	Microsoft Excel for Windows (3)	(P)	
ACCT 4	Managerial Accounting (4)	(P)	
ACCT 100	QuickBooks Pro-Computerized Accounting (2)	(P)	

AS Degree in Retail Management — 60 Units Minimum

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:			39 - 40 Units
BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
CMST 2	Public Speaking		3
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 8	Legal Environment of Business		3
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 66	Retail Management		3

BUS 50	Sales in Today's World		3
or BUS 60	Advertising and Copywriting (3)		
BUS 40	Organization Management		3
BUS 44	Human Resource Management		3

AS Degree in Small Business/ Entrepreneurship

60 Units Minimum

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: **38 - 40 Units**

BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
CMST 2	Public Speaking		3
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 8	Legal Environment of Business		3
BUS 64	Principles of Marketing		3
ACCT 128	Bookkeeping		2
or ACCT 20	Introduction to Accounting (3)		
or ACCT 2	Financial Accounting (4)		
BUS 25	Small Business Management		3
BUS 44	Human Resource Management		3
or BUS 40	Organization Management (3)		
BUS 68	Business on the Internet		3
Electives - Select 3 units from the following:			3
BUS 60	Advertising and Copywriting (3)		
BUS 50	Sales in Today's World (3)		
BCIS 85	Microsoft Excel for Windows (3)	(P)	

Certificate of Achievement in Business Management

30 - 31 Units

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 certificate:

BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
or CMST 2	Public Speaking (3)		
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 25	Small Business Management		3
BUS 40	Organization Management		3
BUS 44	Human Resource Management		3

Certificate of Achievement in Retail Management

30 - 31 Units

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:

BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
or CMST 2	Public Speaking (3)		
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 66	Retail Management		3
BUS 50	Sales in Today's World		3
or BUS 60	Advertising and Copywriting (3)		
BUS 44	Human Resource Management		3
or BUS 40	Organization Management (3)		

Certificate in Business on the Web

15 Units

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:

BUS 64	Principles of Marketing		3
BUS 68	Business on the Internet		3
MSP 5	Introduction to Interactive Web Design and Authoring		3
MSP 74	Multimedia Production I		3
CSCI 31	Web Development I	(P)	3

Certificate in Human Resources

17 Units

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:

BUS 35	Management and Human Relations	3
BUS 40	Organization Management	3
BUS 44	Human Resource Management	3
ACCT 110	Accounting for Payroll	3
BUS 8	Legal Environment of Business	3
BCIS 86	Microsoft Access for Windows	2

Certificate in Small Business Institute — 9 - 10 Units

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:

BCIS 18	Introduction to Business Technology	3
BUS 25	Small Business Management	3
or BUS 26	Steps to Starting a Small Business (1)	
and BUS 27	Introduction to Marketing (1)	
and BUS 28	Planning and Financing the Small Business (1)	
BUS 29	Supervising Employees	1
ACCT 128	Bookkeeping	2
or ACCT 20	Introduction to Accounting (3)	

Certified Nursing Assistant/Home Health Aide

Career/Technical
Certificate in Acute Care Nurse Assistant
Certificate in Certified Nursing Assistant
Certificate in Home Health Aide

Certified Nursing Assistant/Home Health Aide Program
Susan Craig, Chair (530) 879-4338
Department Office: AHPS 215, (530) 895-2328
Counseling and Advising: (530) 895-2378

About the Program

The Certified Nursing Assistant/Home Health Aide program is designed to prepare students for state certification as a Nursing Assistant. Students undergo a minimum of 190 hours of instruction: 82 hours of theory, and 108 hours of supervised clinical instruction in a nursing facility. The program is scheduled in a 12 week, three days per week format, with students attending classes eight hours per day. Successful completion of the program makes students eligible to take the written and manual skills test for state certification.

Career Opportunities

The rapidly growing need for skilled health personnel provides good employment opportunities for Certified Nursing Assistants and Home Health Aides. Positions are found in general and convalescent hospitals, physicans' offices, private homes, community health agencies and in industry.

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.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate in Acute Care Nurse Assistant — 4 Units

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.
- 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:

NSG 202	Acute Care Nurse Assistant	(P)	4

Certificate in Certified Nursing Assistant — 6.5 Units

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:

NSG 200	Certified Nurses Aide Basic Nursing Care, Theory	(P/C)	3.5
NSG 201	Certified Nurses Aide Basic Nursing Care, Clinical	(C)	3

Certificate in Home Health Aide — 1.5 Units

Student Learning Outcomes

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

- Describe and provide safe and competent personal care, procedures and interventions to clients in a home care setting.
- Apply safety, cleanliness and infection control nursing measures in the home care setting.
- Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered in the home care setting.
- Identify and apply legal and ethical principals 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 205	Home Health for the Certified Nurses Aide (CNA)	(P)	1.5

Civil Engineering Technology

Career/Technical
AS Degree in Civil Engineering Technology
Certificate of Achievement in Civil Engineering Technology

Civil Engineering Technology Program
Francesco Madaro, Advisor (530) 895-2545
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378

About the Program

The Civil Engineering Technology program is designed to prepare students to enter the world of Civil Engineering Technologists or Technicians. The program has sufficient breadth to include surveying, map drafting, and computer aided drafting (CAD). After completion of the two-year program, the student will be prepared to enter civil engineering technology at the entry level.

To be successful in this program it is desirable that students have background in math through intermediate algebra, physics, and science. A year or more of high school drafting is a plus. Students should be prepared for a rigorous two-year training program.

Students who are still enrolled in high school and considering a career as a civil engineering technologist or technician are encouraged to take classes in math, drafting and computer science.

Career Opportunities

Students who compete this program will be able to serve on a field survey crew, work in an engineering office, and prepare maps for recordation. Students will be able to prepare maps with both conventional drafting instruments and with the help of the computer (CAD).

In every constituency there exists a need for trained engineering technicians and technologists. The information in this course of study is used daily in most public works departments in all counties and in all engineering offices in the state.

Gainful Employment Information
Certificate of Achievement in Civil Engineering Technology:
www.butte.edu/curriculum/gainful-employment/0132200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Civil Engineering Technology — 60 Units Minimum

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 major: — **26 Units**

DFT 2	Engineering Graphics I		3
DFT 12	Beginning AutoCAD Drafting		3
DFT 24	Architectural Drafting Applications		3
DFT 4	Print Reading for Construction and Architecture		3
ENGR 1	Introduction to Engineering		2
ENGR 3	Plane Surveying I	(P)	3
ENGR 4	Plane Surveying II	(P)	3
ENGL 2	Reading and Composition	(P)	3
MATH 20	Trigonometry	(P)	3

Certificate of Achievement in Civil Engineering Technology — 20 Units

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:

ENGR 1	Introduction to Engineering		2
DFT 2	Engineering Graphics I		3
ENGR 3	Plane Surveying I	(P)	3
ENGR 4	Plane Surveying II	(P)	3
MATH 20	Trigonometry	(P)	3
DFT 12	Beginning AutoCAD Drafting		3
ENGL 2	Reading and Composition	(P)	3

Computer Applications

Career/Technical
AS Degree in Computer Applications
Certificate of Achievement in Computer Applications
Certificate in Basic Computer Competency
Certificate in Computer Applications

Computer Applications Program
www.butte.edu/departments/careertech/bcis/
Dorene Thompson, Advisor (530) 895-2971
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

About the Program

According to the Department of Labor, the role of today's office professional has greatly evolved as organizations have restructured to meet the demands of a changing economy and ever-expanding technologies.

The BCIS department is committed to offering career and technical education programs that provide students with the knowledge and skills needed to be successful in today's workplace. Students seeking a certificate or AS Degree in Computer Applications will take a variety of core courses that will prepare them for the demands of the 21st Century workplace. These courses include computer software, business English, business communication, office technologies, and records management.

Those entering into the Computer Applications field are typically considered experts in several software applications including Microsoft Word, Excel, Access, and PowerPoint among others and are able to design, create, edit, and manage simple-to-complex documents, spreadsheets, databases, and slide shows. They are expected to understand the functionality and features of current software applications, and to stay current with emerging business software applications. Additionally, many individuals in the computer applications field often perform additional office-related tasks such as supporting employees and managing projects. Additionally, they are often expected to provide software education for others in the workplace.

In addition to the Computer Applications major, the Business Computer Information Systems (BCIS) Department offers three other majors: Office Administration, Legal Office Administration and Medical Office Administration.

Students are encouraged to examine each of the majors and speak with both an academic counselor and a designated department advisor to determine which one fits his or her needs.

Career Opportunities

Computer Specialist, Office Assistant, Information Clerk, Front Office Coordinator, Office Adminstrator, Administrative Assistant, and Data Entry Clerk.

Gainful Employment Information
Certificate of Achievement in Computer Applications:
www.butte.edu/curriculum/gainful-employment/0131800CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Computer Applications — 60 Units Minimum

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
- Plan, create and maintain workplace productivity documents using a variety of standard business software.
- Analyze and interpret business data and apply sound decision making skills using data
- Apply effective listening verbal, written, interpersonal, and technological communication skills that prepare them for the workplace.
- Describe the current business environment of the professional workplace.

Required courses for the major:			39 Units
BCIS 12	Business Writing Skills		3
BCIS 13	Business Communication		3
BCIS 18	Introduction to Business Technology		3
BCIS 28	Microsoft Word for Windows		3
BCIS 33	Skills for the Working Professional		1
BCIS 70K	Adobe Acrobat Professional		1
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 31	Business Presentation Software		1
BCIS 85	Microsoft Excel for Windows	(P)	3
BCIS 47	Desktop Publishing		3
BCIS 86	Microsoft Access for Windows		2
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
ACCT 20	Introduction to Accounting		3
BUS 20	Introduction to Business		3
BCIS 99	Work Experience-BCIS	(P)	2
Electives - Select 6 units from the following:			6
BUS 68	Business on the Internet (3)		
ACCT 2	Financial Accounting (4)		
ACCT 100	QuickBooks Pro-Computerized Accounting (2)	(P)	
ART 31	Graphic Design I (3)		
ART 7	2-D Foundations (3)		
CSCI 2	Business and Computer Information Systems (3)		
MSP 1	Multimedia Careers (3)		
MSP 5	Introduction to Interactive Web Design and Authoring (3)		
MSP 10	Digital Video Design and Production (3)		
MSP 45	3-D Computer Modeling and Animation (3)		
MSP 96	Introduction to Computer Graphics (3)		

Certificate of Achievement in Computer Applications — 25 Units

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.
- Plan, create and maintain workplace productivity documents using a variety of standard business software.
- Analyze and interpret business data and apply sound decision making skills using data.
- Apply effective listening verbal, written, interpersonal, and technological communication skills that prepare them for the workplace.
- Describe the current business environment of the professional workplace.

Required courses for the certificate:

BCIS 12	Business Writing Skills		3
BCIS 13	Business Communication		3
BCIS 18	Introduction to Business Technology		3
BCIS 28	Microsoft Word for Windows		3
BCIS 33	Skills for the Working Professional		1
BCIS 70K	Adobe Acrobat Professional		1
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 31	Business Presentation Software		1
BCIS 85	Microsoft Excel for Windows	(P)	3
BCIS 47	Desktop Publishing		3
BCIS 86	Microsoft Access for Windows		2
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1

Certificate in Basic Computer Competency — 5 - 6 Units

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 (1)	(P)	
BCIS 18	Introduction to Business Technology		3
BCIS 84	Basics of Computers		1

Certificate in Computer Applications — 14 Units

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.
- Plan, create and maintain workplace productivity documents using a variety of standard business software.
- Apply effective listening verbal, written, interpersonal, and technological communication skills that prepare them for the workplace.
- Describe the current business environment of the professional workplace.

Required courses for the certificate:

BCIS 12	Business Writing Skills		3
BCIS 13	Business Communication		3
BCIS 28	Microsoft Word for Windows		3
BCIS 18	Introduction to Business Technology		3
BCIS 33	Skills for the Working Professional		1
BCIS 70L	Introduction to Microsoft Outlook		1

Computer Networking

Career/Technical
AS Degree in Computer Networking
Certificate of Achievement in Computer Networking
Certificate in Cisco Network Administration

Computer Networking Program
www.butte.edu/departments/careertech/computerscience/
Linda Fischer, Advisor (530) 893-7402
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378

About the Program

The Computer Networking program prepares students for industry standard certification exams and entry-level positions as computer networking professionals. The core curriculum covers networking fundamentals, WAN technologies, basic security and wireless concepts, routing and switching fundamentals, and configuring simple networks.

No prerequisite skills are required for students to enroll in the program

Career Opportunities

The program offers courses that prepare students for a variety of industry certification exams, including Cisco CCENT, Cisco CCNA, CompTIA A+, CompTIA Linux+, CompTIA Network+, CompTIA Security+, and Microsoft MCSA.

Gainful Employment Information
Certificate of Achievement in Computer Networking:
www.butte.edu/curriculum/gainful-employment/3124200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Computer Networking — 60 Units Minimum

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.
- Apply knowledge of computer security concepts, tools, and procedures to anticipate and react to computer security incidents.
- 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.

Required courses for the major: — **30 Units**

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 17	Computer and Network Security/Security+	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 26	Linux 2, System Administration	(P)	3
CSCI 48	Network Fundamentals and Cisco Level 1		4
CSCI 49	PCs and Peripherals/A+		4
CSCI 70	Installing and Configuring Windows Server 2012	(P)	3
CSCI 53	Cisco Networks Level 2, Routing & Switching	(P)	3
CSCI 56	Cisco Networks Level 3 & 4, Scaling and Connecting	(P)	3
BCIS 33	Skills for the Working Professional		1

Certificate of Achievement in Computer Networking — 30 Units

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.
- Apply knowledge of computer security concepts, tools, and procedures to anticipate and react to computer security incidents.
- 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.

Required courses for the certificate:

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 17	Computer and Network Security/Security+	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 26	Linux 2, System Administration	(P)	3
CSCI 49	PCs and Peripherals/A+		4
CSCI 48	Network Fundamentals and Cisco Level 1		4
CSCI 70	Installing and Configuring Windows Server 2012	(P)	3
CSCI 53	Cisco Networks Level 2, Routing & Switching	(P)	3
CSCI 56	Cisco Networks Level 3 & 4, Scaling and Connecting	(P)	3
BCIS 33	Skills for the Working Professional		1

Certificate in Cisco Network Administration — 10 Units

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

Computer Programming

Career/Technical
AS Degree in Computer Programming
Certificate of Achievement in Computer Programming

Computer Programming Program
Boyd Trolinger, Advisor (530) 895-2503
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378

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

Career Opportunities

The program offers courses that prepare students for entry-level positions as computer programmers and web developers.

Gainful Employment Information
Certificate of Achievement in Computer Programming:
www.butte.edu/curriculum/gainful-employment/3124600CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Computer Programming — 60 Units Minimum

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.
- Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
- Design, implement, and test the functionality of relational databases.
- Design, implement, and test the functionality of computer software in a variety of computer programming languages.
- Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses for the major: — **22 Units**

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 20	Programming and Algorithms I		3
CSCI 21	Programming and Algorithms II	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 31	Web Development I	(P)	3
CSCI 32	Web Development II	(P)	3
BUS 18	Database Design		4

Certificate of Achievement in Computer Programming — 22 Units

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.
- Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
- Design, implement, and test the functionality of relational databases.
- Design, implement, and test the functionality of computer software in a variety of computer programming languages.
- Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses for the certificate:

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 20	Programming and Algorithms I		3
CSCI 21	Programming and Algorithms II	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 31	Web Development I	(P)	3
CSCI 32	Web Development II	(P)	3
BUS 18	Database Design		4

Computer System Administration

Career/Technical
AS Degree in Computer System Administration
Certificate of Achievement in Computer System Administration
Certificate in Computer Support Technician
Certificate in Microsoft Server Administration

Computer System Administration Program
Linda Fischer, Advisor (530) 893-7402
Department Office: AHPS 251, (530) 892-2531
Counseling and Advising: (530) 895-2378

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

Career Opportunities

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+.

Gainful Employment Information
Certificate of Achievement in Computer System Administration:
www.butte.edu/curriculum/gainful-employment/3123600CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Computer System Administration

60 Units Minimum

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.
- 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: **33 Units**

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 17	Computer and Network Security/Security+	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 26	Linux 2, System Administration	(P)	3
CSCI 48	Network Fundamentals and Cisco Level 1		4
CSCI 49	PCs and Peripherals/A+		4
CSCI 65	Microsoft SQL Database Administration	(P)	3
CSCI 70	Installing and Configuring Windows Server 2012	(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 of Achievement in Computer System Administration

33 Units

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.
- 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:

CSCI 4	Introduction to Programming Concepts and Methodologies		3
CSCI 17	Computer and Network Security/Security+	(P)	3
CSCI 25	Linux 1, Essentials		3
CSCI 26	Linux 2, System Administration	(P)	3
CSCI 48	Network Fundamentals and Cisco Level 1		4
CSCI 49	PCs and Peripherals/A+		4
CSCI 65	Microsoft SQL Database Administration	(P)	3
CSCI 70	Installing and Configuring Windows Server 2012	(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

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

Student Learning Outcomes

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

- 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.
- Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses for the certificate:

CSCI 70	Installing and Configuring Windows Server 2012	(P)	3
CSCI 71	Administering Windows Server 2012	(P)	3
CSCI 72	Configuring Advanced Windows 2012 Server Services	(P)	3

Cosmetology

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

Cosmetology Program
Ron Morrison (530) 343-4201
Department Office: Office of Contract Education, (530) 895-9015
Counseling and Advising: (530) 895-2378

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 ten 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.

Chico Beauty College also offers training programs for manicuring and skin care (esthetician) through Butte Community College.

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 Chico Beauty College at (530) 343-4201 or call the Office of Contract Education at (530) 895-9015.

Career Opportunities

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.

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Cosmetology — 60 Units Minimum

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 major: — **35 Units**

COS 100	Introduction to Cosmetology	(P)	5
COS 101	Cosmetology I	(P)	5
COS 102	Cosmetology II	(P)	5
COS 103	Cosmetology III	(P)	5
COS 104	Cosmetology IV	(P)	5
COS 105	Cosmetology V	(P)	5
COS 106	Cosmetology VI	(P)	5

Certificate of Achievement in Cosmetology — 35 Units

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 100	Introduction to Cosmetology	(P)	5
COS 101	Cosmetology I	(P)	5
COS 102	Cosmetology II	(P)	5
COS 103	Cosmetology III	(P)	5
COS 104	Cosmetology IV	(P)	5
COS 105	Cosmetology V	(P)	5
COS 106	Cosmetology VI	(P)	5

Certificate in Cosmetology to Barbering Crossover — 5 Units

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

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

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

Court Personnel/Pre-law

Career/Technical
AS Degree in Court Personnel/Pre-law
Certificate of Achievement in Court Personnel/Pre-law

Court Personnel/Pre-law Program
Mike Maloney, Director (530) 879-4349
Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Court Personnel/Pre-law:
www.butte.edu/curriculum/gainful-employment/1113600CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

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

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: — 36 - 38 Units

ACCT 20	Introduction to Accounting		3
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 11	Criminal Procedure		3
AJ 99	Work Experience-AJ	(P)	1
or BCIS 60	Advanced Legal Office Procedures (3)		
or BCIS 59	Beginning Legal Office Procedures (3)		
BUS 8	Legal Environment of Business		3
BUS 20	Introduction to Business		3
POS 12	California State and Local Government		3
READ 2	Speed Reading	(P)	3
or ENGL 2	Reading and Composition (3)	(P)	

Certificate of Achievement in Court Personnel/Pre-law — 29 Units

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:

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 11	Criminal Procedure		3
AJ 99	Work Experience-AJ	(P)	3
or BCIS 59	Beginning Legal Office Procedures (3)		
or BCIS 60	Advanced Legal Office Procedures (3)		
BUS 8	Legal Environment of Business		3
READ 2	Speed Reading	(P)	3
or ENGL 2	Reading and Composition (3)	(P)	

Drafting and CAD Technology

Career/Technical
AS Degree in Drafting and CAD Technology
Certificate of Achievement in Drafting and CAD Technology
Certificate in 3D Mechanical Applications
Certificate in Architectural Drafting and Modeling

Drafting and CAD Technology Program
John Dahlgren, Chair (530) 879-4116
Department Office: AHPS 251, (530) 895-2531
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Drafting and CAD Technology:
www.butte.edu/curriculum/gainful-employment/0132400CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Drafting and CAD Technology — 60 Units Minimum

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: — **33 Units**

DFT 2	Engineering Graphics I		3
DFT 4	Print Reading for Construction and Architecture		3
or DFT 16	Print Reading For Industry and Manufacturing (3)		
DFT 8	Engineering Graphics II	(P)	3
DFT 12	Beginning AutoCAD Drafting		3
DFT 24	Architectural Drafting Applications		3
DFT 45	Building Information Modeling I		3
DFT 46	Building Information Modeling II - Advanced Applications	(P)	3
AET 26	Basic Surveying		3
or ENGR 3	Plane Surveying I (3)	(P)	
CSCI 2	Business and Computer Information Systems		3
MATH 20	Trigonometry	(P)	3
PSC 20	Introductory Physical Science		3

Certificate of Achievement in Drafting and CAD Technology — 21 Units

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:

DFT 2	Engineering Graphics I		3
DFT 4	Print Reading for Construction and Architecture		3
DFT 12	Beginning AutoCAD Drafting		3
DFT 24	Architectural Drafting Applications		3
DFT 45	Building Information Modeling I		3
DFT 46	Building Information Modeling II - Advanced Applications	(P)	3
MATH 20	Trigonometry	(P)	3

Certificate in 3D Mechanical Applications — 9 Units

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:

DFT 2	Engineering Graphics I		3
DFT 8	Engineering Graphics II	(P)	3
DFT 16	Print Reading For Industry and Manufacturing		3

Certificate in Architectural Drafting and Modeling

12 Units

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:

DFT 4	Print Reading for Construction and Architecture	3
DFT 12	Beginning AutoCAD Drafting	3
DFT 24	Architectural Drafting Applications	3
DFT 45	Building Information Modeling I	3

Early Childhood Education

Career/Technical
AS Degree in Early Childhood Education
Certificate of Achievement in Early Childhood Education
Certificate in Early Childhood Education

Early Childhood Education Program
www.butte.edu/departments/careertech/familystudies
Terri Hutton, Chair (530) 895-2855
Department Office: AHPS 251, (530) 895-2542
Counseling and Advising: (530) 895-2378

About the Program

Butte College offers students a program that focuses on in-depth foundational knowledge, skills and dispositions that prepare students for various careers within the Early Childhood profession. All students who complete an A.S. degree will achieve competency in promoting child development and learning; building family and community relationships; implementing program and child assessment systems; and learning in a diverse society and professional development.

Career Opportunities

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).

Gainful Employment Information
Certificate of Achievement in Early Childhood Education:
www.butte.edu/curriculum/gainful-employment/0134900CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Early Childhood Education — 60 Units Minimum

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
CDF 12	Child, Family, and Community		3
CDF 14	Child Growth and Development		3
CDF 18	Children with Special Needs		3
CDF 40	Observation and Assessment	(P)	3
CDF 44	Positive Child Guidance		3
CDF 48	Principles and Practices of Teaching Young Children		3
CDF 56	Prenatal, Infant, and Toddler Development		3
CDF 57	Teaching in a Diverse Society		3
CDF 63	Introduction to Early Childhood Education Curriculum	(P)	3
CDF 78	Early Childhood Education Practicum	(P)	3
CDF 80	Health, Safety and Nutrition		3
Electives - Select 6 units from the following:			6
CDF 20	Curriculum for Children with Special Needs (3)		
CDF 30	Adult Supervision and Mentoring in Early Care and Education (2)		
CDF 34	The School-Age Child (3)		
CDF 36	Working With School-Age Children (3)		
CDF 55	ECE Second Language Learners (3)		
CDF 59	Anti-Bias Curriculum in Early Childhood Programs (3)		
CDF 61	Music for Early Childhood (3)		
CDF 62	Creative Art Activities for Children (3)		
CDF 65	Infant/Toddler Curriculum (3)		
CDF 66	Literature and Language Arts Curriculum for Children (3)		
CDF 67	Math and Science Curriculum for Young Children (3)		
CDF 84	Administration I: Programs in Early Childhood Education (3)		
CDF 85	Admin II: Personnel & Leadership in Early Childhood Education (3)		
CDF 99	Work Experience-CDF (3)	(P)	

Certificate of Achievement in Early Childhood Education — 24 Units

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:

CDF 12	Child, Family, and Community		3
CDF 14	Child Growth and Development		3
CDF 18	Children with Special Needs		3
CDF 40	Observation and Assessment	(P)	3
CDF 44	Positive Child Guidance		3
CDF 56	Prenatal, Infant, and Toddler Development		3
CDF 57	Teaching in a Diverse Society		3
CDF 63	Introduction to Early Childhood Education Curriculum	(P)	3

Certificate in Early Childhood Education — 12 Units

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

Required courses for the certificate:

CDF 12	Child, Family, and Community		3
CDF 14	Child Growth and Development		3
Electives - Select 6 Units from the following:			6
CDF 18	Children with Special Needs (3)		
CDF 40	Observation and Assessment (3)	(P)	
CDF 44	Positive Child Guidance (3)		
CDF 48	Principles and Practices of Teaching Young Children (3)		
CDF 56	Prenatal, Infant, and Toddler Development (3)		
CDF 57	Teaching in a Diverse Society (3)		
CDF 63	Introduction to Early Childhood Education Curriculum (3)	(P)	
CDF 65	Infant/Toddler Curriculum (3)		

EMT-Paramedic

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

EMT-Paramedic Program
www.butte.edu/departments/careertech/healthoccupations/
Mike Smith, Chair (530) 895-2321
Department Office: AHPS 215, (530) 893-7533
Counseling and Advising: (530) 895-2378

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.

To be successful in this program, the student must be able to work with a wide variety of people, have a good knowledge of anatomy and physiology, have good math and English skills, be able to adapt to new situations, and be in good physical condition. It is also recommended that the student have experience as an Emergency Medical Technician, a medical corpsman, or have a background in other emergency medical services. Students who are still in high school and are considering a career as a paramedic should take courses in mathematics, anatomy, physiology, and first aid.

Career Opportunities

Working under the supervision of physicians and nurses, students who successfully complete the program will be able to evaluate and treat a wide variety of medical and trauma emergencies in the pre-hospital setting. They will be able to administer medications, start intravenous lines, interpret EKG rhythm strips, defibrillate patients in cardiac arrest, and administer many other advanced life support procedures.

Employment opportunities for licensed paramedics are
available within the State of California. These opportunities are expected to continue in the foreseeable future.

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

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 Basic Cardiac Life Support Healthcare Provider certificate from the American Heart Association or the American Red Cross or equivalent (no online CPR), BIOL 20 Human Anatomy (no online labs), BIOL 21 Human Physiology (no online labs), (BIOL 10 Survey of Human Systems may be taken in lieu of BIOL 20 and BIOL 21) 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 (NRParamedic) may then apply to their state of residence for paramedic licensure.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in EMT - Paramedic — 60 Units Minimum

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:			36 Units
EMS 170	Paramedic-Theory	(P)	21
EMS 171	Paramedic Clinical and Field Internship	(P)	15

Certificate of Achievement in Emergency Medical Technician/Paramedic — 36 Units

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:			
EMS 170	Paramedic-Theory	(P)	21
EMS 171	Paramedic Clinical and Field Internship	(P)	15

Certificate in Emergency Medical Responder (EMR) — 4 Units

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:			
EMS 110	Emergency Medical Responder	(P)	4

Certificate in Emergency Medical Technician — 7 Units

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:			
EMS 111	Emergency Medical Technician	(P)	7

Environmental Horticulture

Career/Technical
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

Environmental Horticulture Program
Carrie Monlux, Chair (530) 895-2494
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Environmental Horticulture program offers an AS degree in Environmental Horticulture, and four Certificates of Achievement. The Certificate of Achievement in Environmental Horticulture focuses on growing, maintaining, and designing with plants and flowers and on skills and knowledge pertinent to several fields of study within the Environmental Horticulture industry.

Career Opportunities

The outlook for jobs in Environmental Horticulture is excellent. With over 2,000 potential employers in the north state. The major occupations include floriculture, nursery production, landscaping, sales, park maintenance, turfgrass management, research, education, and retail nursery and floristry. Butte College's programs are designed to give students skills necessary for entry-level positions in the various horticulture industries. An AS degree 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.

Gainful Employment Information
Certificate of Achievement in Environmental Horticulture:
www.butte.edu/curriculum/gainful-employment/0725800CA.html

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

Certificate of Achievement in Nursery Technician:
www.butte.edu/curriculum/gainful-employment/0725701CA.html

Certificate of Achievement in Plant Protection:
www.butte.edu/curriculum/gainful-employment/3151200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Environmental Horticulture — 60 Units Minimum

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**

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

Certificate of Achievement in Environmental Horticulture — 30 Units

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 certificate:

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

Certificate of Achievement in Landscape/ Turfgrass Technician — 24 Units

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:

EH 20	Introduction to Environmental Horticulture	3
EH 24	Spring Plant Identification	3
or EH 23	Fall Plant Identification (3)	
EH 26	Landscape Planning and Design	3
EH 28	Turfgrass Management and Equipment	3
EH 30	Irrigation Practices and Materials	3
EH 72	Landscape Business Management	3
EH 74	Irrigation System Design	3
EH 22	Landscape Construction	3

Certificate of Achievement in Nursery Technician

18 Units

Student Learning Outcomes

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

- Select and correctly use florist tools, equipment and materials.
- Design and construct arrangements used in the floral industry today.
- List and analyze the costs associated with any floral design along with the appropriate markup to determine sale price.
- Identify energy usage for heating, cooling and lighting various greenhouses as a cost of doing business.
- Describe the scheduling of crop cycles including propagation start up, days to maturity, target market, price points, fertilizer and pesticide needs.
- Calculate square footage needed for various crops, as they move through the growing cycle, to understand cost inputs as compared to potential revenues generated.

Required courses for the certificate:

EH 20	Introduction to Environmental Horticulture	3
EH 24	Spring Plant Identification	3
or EH 23	Fall Plant Identification (3)	
EH 30	Irrigation Practices and Materials	3
EH 38	Greenhouse Production	3
EH 70	Plant Propagation and Nursery Practices	3
EH 26	Landscape Planning and Design	3
or EH 60	Principles of Integrated Pest Management (3)	
or EH 61	Plant Protection Materials (3)	
or EH 62	Weed Science and Invasive Plants (3)	

Certificate of Achievement in Plant Protection

42 Units

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

Fashion Merchandising

Career/Technical
AS Degree in Fashion Merchandising
Certificate of Achievement in Fashion Merchandising
Certificate in Clothing Construction
Certificate in Fashion Design

Fashion Merchandising Program
Dave Cooper, Chair (530) 895-2259
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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:

Retail: Buyer, assistant buyer, department manager, fashion/bridal consultant, store manager, merchandise manager, salesperson, shop owner, sales representative, showroom associate, personal shopper, and management trainee.

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.

Gainful Employment Information
Certificate of Achievement in Fashion Merchandising:
www.butte.edu/curriculum/gainful-employment/0134800CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Fashion Merchandising — 60 Units Minimum

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**

BUS 20	Introduction to Business		3
BUS 35	Management and Human Relations		3
or BUS 25	Small Business Management (3)		
BUS 50	Sales in Today's World		3
BUS 66	Retail Management		3
BCIS 18	Introduction to Business Technology		3
ECON 25	Introduction to Economics		3
FASH 6	Understanding Fibers, Fabric, and Textiles		3
FASH 64	Introduction To Fashion/Retail Careers		3
FASH 74	Historic Costume		3
FASH 80	Retail Fashion Buying		3
FASH 18	Visual Merchandising		3
FASH 90	Fashion Promotions		3
FASH 99	Work Experience-FASH	(P)	3

Certificate of Achievement in Fashion Merchandising — 22 Units

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:

FASH 6	Understanding Fibers, Fabric, and Textiles		3
FASH 64	Introduction To Fashion/Retail Careers		3
FASH 80	Retail Fashion Buying		3
FASH 18	Visual Merchandising		3
FASH 74	Historic Costume		3
FASH 90	Fashion Promotions		3
FASH 99	Work Experience-FASH	(P)	1
BCIS 18	Introduction to Business Technology		3

Certificate in Clothing Construction — 12 Units

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:

FASH 9	Clothing Construction I		3
FASH 10	Clothing Construction II	(P)	3
FASH 40	Flat Pattern/Draping Design	(P)	3
DRAM 15	Costume Construction I		3

Certificate in Fashion Design — 15 Units

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:		15
FASH 9	Clothing Construction I (3)	
FASH 10	Clothing Construction II (3)	(P)
FASH 64	Introduction To Fashion/Retail Careers (3)	
FASH 74	Historic Costume (3)	
FASH 90	Fashion Promotions (3)	
FASH 40	Flat Pattern/Draping Design (3)	(P)
FASH 13	Fashion Drawing and Illustration (3)	

Fire Technology

Career/Technical
AS Degree in Fire Technology
Certificate of Achievement in Firefighter I Academy
Certificate of Achievement in Fire Technology
Certificate in BASIC 32

Fire Technology Program
www.butte.edu/departments/careertech/publicsafety/
Mike Maloney, Director (530) 879-4349
Department Office: AHPS 144, (530) 895-2402
Counseling and Advising: (530) 895-2378

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.

Students interested in a fire science career have two options: the 19-week Firefighter I Academy or the two-year AS degree program.

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.

Firefighter I Academy
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.
The Firefighter I Academy is a special admission academy that is offered twice each year (Fall and Spring) as a 19 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.

Career Opportunities

The A.S. 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.

Gainful Employment Information
Certificate of Achievement in Fire Technology:
www.butte.edu/curriculum/gainful-employment/0136200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Fire Technology — 60 Units Minimum

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:		**27 Units**
FSC 2	Introduction to Fire Science	3
FSC 4	Fundamentals of Fire Behavior and Control	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:		9
FSC 6	Fire Tactics and Strategy (3)	
FSC 8	Personal Fire Safety (3)	
FSC 16	Fire Company Organization and Management (3)	
FSC 18	Basic Wildland Firefighting (3)	

Certificate of Achievement in Firefighter I Academy — 29 Units

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.
- Successfully perform tasks which combine manipulative and technical competency required for national certification for an Emergency Medical Technician (EMT).

Required courses for the certificate:

EDUC 10	Critical Skills for College Success	(P)	.5
FSC 105	Fire Academy Physical Training	(C)	2.5
FSC 106	Firefighter I Academy	(C)	26

Certificate of Achievement in Fire Technology — 27 Units

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 certificate:

FSC 2	Introduction to Fire Science	3
FSC 4	Fundamentals of Fire Behavior and Control	3
FSC 12	Fundamentals of Fire Prevention	3
FSC 8	Personal Fire Safety	3
FSC 10	Building Construction for Fire Protection	3

FSC 14	Fire Protection Equipment and Systems		3
POS 2	United States Government		3
ENGL 2	Reading and Composition	(P)	3
KIN Requirement-General Fitness Family			3

Certificate in BASIC 32

3 Units

Student Learning Outcomes

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

- Describe wildland fire behavior.
- Describe safety tactics to be utilized in fire control operations.
- Develop a basic fire operations incident action plan and demonstrate skills of wildland fire suppression.

Required courses for the certificate:

FSC 18	Basic Wildland Firefighting	3

Geographic Information Systems

Career/Technical
Certificate in Geographic Information Systems

Geographic Information Systems Program
Christine Trolinger, Chair (530) 895-2301
Department Office: LRC 304, (530) 895-2471
Counseling and Advising: (530) 895-2378

About the Program

Geographic Information Systems (GIS) is a type of computer program that collects, stores, manages, analyzes, and displays locational data, often with accompanying databases full of associated facts and figures. Geospatial data is critically important to a broad range of employment categories, from health care to marketing, natural resource management to urban design, and climate science to engineering. GIS is also a part of the ever expanding field of geospatial technology.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate in Geographic Information Systems — 10 Units

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

Graphic Design for Print

Career/Technical
AS Degree in Graphic Design for Print

Graphic Design for Print Program
Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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 at Butte College, the student will have a working familiarity with most aspects of this rapidly growing field. The department highly recommends that the student entering the second year of the Graphic Design program be able to type 30 words per minute or better.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Graphic Design for Print — 60 Units Minimum

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 4	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

Heavy Equipment Operator Technician

Career/Technical

Certificate of Achievement in Heavy Equipment Operator Technician

Heavy Equipment Operator Technician Program
Bruce Enyeart, Advisor (530) 895-2418
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Butte College Heavy Equipment Operator Technician Certificate program is a one-year Certificate of Achievement program. 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.

Career Opportunities

Students who successfully complete the Heavy Equipment Operator Technician 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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate of Achievement in Heavy Equipment Operator Technician — 31 Units

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:

AB 20	Careers in Agriculture, Environmental Science and Natural Resources		1
AET 26	Basic Surveying		3
AET 30	Tractors and Crawlers		3
AET 44	Grade Setting		2
AET 38	Diesel Engines and Machine Systems		4
WLD 20	Beginning Welding		4
AET 34	Farm Machinery		3
AET 35	Heavy Equipment Methods	(C)	3
AET 36	Heavy Equipment Operation	(C)	6
AET 43	Hydraulic and Pneumatic Systems		2

Law Enforcement Academy - Basic

Career/Technical
AS Degree in Law Enforcement Academy - Basic
Certificate of Achievement in Law Enforcement Academy-Basic

Law Enforcement Academy - Basic Program
www.butte.edu/departments/careertech/publicsafety/
Mike Maloney, Director (530) 879-4349
Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378

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. Typically, the Basic Law Enforcement Academy begins in July and again in January.

Associate Degree Program: Employable skills are developed in conjunction with General Education.

Career Opportunities

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

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

Admission to the Program

Admission to the program requires a minimum college cumulative Grade Point Average of 2.0.

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

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Law Enforcement Academy - Basic

60 Units Minimum

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.

Required courses for the major: **36.5 Units**

AJLE 140	Law Enforcement Academy	(P/C)	34.5
AJLE 100	Law Enforcement Academy Physical Training	(C)	2

Certificate of Achievement in Law Enforcement Academy-Basic

37 Units

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:

EDUC 10	Critical Skills for College Success	(P)	.5
AJLE 100	Law Enforcement Academy Physical Training	(C)	2
AJLE 140	Law Enforcement Academy	(P/C)	34.5

Law Enforcement Academy - Basic/ Fish and Game Emphasis

Career/Technical

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

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

Law Enforcement Academy - Basic/Fish and Game Emphasis Program
www.butte.edu/departments/careertech/publicsafety/
Mike Maloney, Director (530) 879-4349
Department Office: AHPS 144, (530) 895-2401
Counseling and Advising: (530) 895-2378

About the Program

The Law Enforcement Academy program (Fish and Game 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 Game. Programs can be arranged in any of the following ways:

Associate Degree Program: Employable skills are developed in conjunction with General Education.

Certificate of Achievement Program: Virtually all course work is closely associated with entering employment.

Career Opportunities

Careers in law enforcement are constantly open statewide. Satisfactory completion of the Butte College Basic Law Enforcement Academy with a Fish and Game 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.

Gainful Employment Information
Certificate of Achievement in Law Enforcement Academy - Basic/Fish and Game Emphasis:
www.butte.edu/curriculum/gainful-employment/1797000CA.html

Admission to the Program

Admission to the program requires a minimum college cumulative Grade Point Average of 2.0.

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 Game Emphasis, and to apply for admission to the program, please go to our website at: www.butte.edu/departments/careertech/publicsafety/fish_game.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Law Enforcement Academy - Basic/Fish and Game Emphasis — 60 Units Minimum

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.

Required courses for the major: — **50 Units**

AJLE 141	Law Enforcement Academy; Fish and Game Emphasis	(P)	50

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

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.

Required courses for the certificate:

AJLE 141	Law Enforcement Academy; Fish and Game Emphasis	(P)	50

Legal Office Administration

Career/Technical
AS Degree in Legal Office Administration
Certificate of Achievement in Legal Office Administration
Certificate in Basic Computer Competency
Certificate in Legal Office Administration

Legal Office Administration Program
www.butte.edu/departments/careertech/bcis/
Dorene Thompson, Chair (530) 895-2971
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

About the Program

The Bureau of Labor Statistics indicates that the number of Legal Office professionals is projected to grow about 7 to 18 percent (the nation's average) between 2010 and 2020. In addition, the career of today's legal office professional has greatly evolved and expanded as organizations have restructured to meet the demands of a changing economy and enhanced technologies.

The BCIS department is committed to offering career and technical education programs that provide students with the knowledge and skills needed to be successful in today's workplace. Students seeking a Certificate of AS Degree in Legal Office Administration will take a variety of core courses that will prepare them for the increasing demands of the 21st Century workplace.

The legal field is highly specialized, offering 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 might include preparing legal forms such as complaints, motions, subpoenas, affidavits, and briefs; processing documents; assisting with legal research; filing court papers; preparing legal communications, utilizing various office technologies, auditing financial records, scheduling appointments, handling confidential information, and taking notes on proceedings.

The legal office administration student will develop an in-depth knowledge of legal terminology, documents, privacy and confidentiality, legal research, database management, records management, calendaring, English skills, computer competency, widely diverse legal office specialties, and legal office procedures.

In addition to Legal Office Administration, the Business Computer Information Systems (BCIS) Department offers three other majors: Computer Applications, Medical Office Administration and Office Administration.

Every student is encouraged to examine each of the majors and to speak with an academic counselor and a designated department advisor before making a final decision.

Career Opportunities

Legal Office Administration graduates may seek employment in variety of areas including legal offices, court facilities, private industry, and public offices. Typical job titles include: Legal Administrative Assistant, Court Personnel, Legal Research Specialist, Legal File Clerk, Court Clerk, and Legal Services Specialist.

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Legal Office Administration — 60 Units Minimum

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.
- Apply computer skills to legal office activities.
- Utilize proper legal writing skills in all client and colleague communication.

Required courses for the major:			40 Units
BCIS 12	Business Writing Skills		3
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 31	Business Presentation Software		1
BCIS 33	Skills for the Working Professional		1
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 51	Records Management		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
BCIS 50	Office Administration		3
BCIS 70K	Adobe Acrobat Professional		1
BUS 8	Legal Environment of Business		3
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 59	Beginning Legal Office Procedures		3
BCIS 60	Advanced Legal Office Procedures		3
AJ 3	Legal Research		2
ACCT 128	Bookkeeping		2
BCIS 99	Work Experience-BCIS	(P)	2
Electives - Select 3 units from the following:			3
BCIS 28	Microsoft Word for Windows (3)		
BCIS 85	Microsoft Excel for Windows (3)	(P)	
BUS 20	Introduction to Business (3)		
BUS 35	Management and Human Relations (3)		
ACCT 20	Introduction to Accounting (3)		

Certificate of Achievement in Legal Office Administration — 31 Units

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.
- Apply computer skills to legal office activities.
- Utilize proper legal writing skills in all client and colleague communication.

Required courses for the certificate:			
BCIS 12	Business Writing Skills		3
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 31	Business Presentation Software		1
BCIS 33	Skills for the Working Professional		1
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 51	Records Management		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
BCIS 50	Office Administration		3
BCIS 70K	Adobe Acrobat Professional		1
BUS 8	Legal Environment of Business		3
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 59	Beginning Legal Office Procedures		3
BCIS 60	Advanced Legal Office Procedures		3

Certificate in Basic Computer Competency — 5 - 6 Units

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 (1)	(P)	
BCIS 18	Introduction to Business Technology		3
BCIS 84	Basics of Computers		1

Certificate in Legal Office Administration — 16 Units

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:

BCIS 12	Business Writing Skills		3
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 31	Business Presentation Software		1
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 51	Records Management		3
BCIS 18	Introduction to Business Technology		3
BCIS 59	Beginning Legal Office Procedures		3

Licensed Vocational Nursing

Career/Technical
AS Degree in Licensed Vocational Nursing
Certificate of Achievement in Licensed Vocational Nursing

Licensed Vocational Nursing Program
www.butte.edu/departments/careertech/healthoccupations/
Susan Craig, Chair (530) 879-4338
Department Office: AHPS 251, (530) 895-2328
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Licensed Vocational Nursing:
www.butte.edu/curriculum/gainful-employment/0134000CA.html

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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Licensed Vocational Nursing — 60 Units Minimum

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.

Required courses for the major: **67 - 68 Units**

Prerequisites Prior to Admission

***Beginning with the VN class starting Summer 2017 Class #49, a state certification as a Nursing Assistant (CNA) will be required for admission to the Vocational Nursing Program for class #49 ONLY, CNA can be in progress at the time of application. A current CNA certificate must be presented prior to the first day of class. After this class the CNA certificate will be required at the time of application.**

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)		
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/Urinary 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

Certificate of Achievement in Licensed Vocational Nursing — 67 - 68 Units

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.

Required courses for the certificate:

Prerequisites Prior to Admission

***Beginning with the VN class starting Summer 2017 Class #49, a state certification as a Nursing Assistant (CNA) will be required for admission to the Vocational Nursing Program for class #49 ONLY, CNA can be in progress at the time of application. A current CNA certificate must be presented prior to the first day of class. After this class the CNA certificate will be required at the time of application.**

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)		
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/Urinary 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

Marketing

Career/Technical
AS Degree in Marketing
Certificate of Achievement in Marketing
Certificate in Business on the Web

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

About the Program

The Marketing program is designed to provide students with a well-rounded education in business operations, marketing principles, human relations, accounting, business law, economics and computer applications.

To be successful, students need basic competence in reading, written and oral communication, and mathematics. Also, students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment and changing technology.

High school students are encouraged to take courses in business, mathematics, communication, and computer applications. Foreign language and social science courses would be helpful.

Career Opportunities

This program is designed to teach students to solve problems, develop marketing strategies, make oral presentations, and write reports such as marketing plans and sales proposals. Marketing skills are useful in many job settings: retail, wholesale, manufacturing, social services, government, and education. These skills also are important for people who wish to improve their performance in existing jobs or develop their own businesses.

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Marketing — 60 Units Minimum

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: — **42 - 43 Units**

BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
CMST 2	Public Speaking		3
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 8	Legal Environment of Business		3
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 50	Sales in Today's World		3
BUS 60	Advertising and Copywriting		3
BUS 68	Business on the Internet		3
Electives - Select 6 unit from the following:			6
ART 31	Graphic Design I (3)		
BUS 25	Small Business Management (3)		
BCIS 47	Desktop Publishing (2.5)		
MSP 5	Introduction to Interactive Web Design and Authoring (3)		
MSP 74	Multimedia Production I (3)		

Certificate of Achievement in Marketing — 30 - 31 Units

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 certificate:

BUS 20	Introduction to Business		3
BCIS 18	Introduction to Business Technology		3
BCIS 13	Business Communication		3
or CMST 2	Public Speaking (3)		
BUS 35	Management and Human Relations		3
ECON 25	Introduction to Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
BUS 64	Principles of Marketing		3
ACCT 20	Introduction to Accounting		3
or ACCT 2	Financial Accounting (4)		
BUS 50	Sales in Today's World		3
BUS 60	Advertising and Copywriting		3
BUS 68	Business on the Internet		3

Certificate in Business on the Web — 15 Units

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:

BUS 64	Principles of Marketing		3
BUS 68	Business on the Internet		3
MSP 5	Introduction to Interactive Web Design and Authoring		3
MSP 74	Multimedia Production I		3
CSCI 31	Web Development I	(P)	3

Mechanized Agriculture

Career/Technical
AS Degree in Mechanized Agriculture
Certificate of Achievement in Mechanized Agriculture

Mechanized Agriculture Program
Bruce Enyeart, Advisor (530) 895-2418
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Mechanized Agriculture program offers students an option to earn either a one-year Certificate of Achievement or an Associate in Sciences 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. Problemsolving, 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.

Career Opportunities

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.

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

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Mechanized Agriculture — 60 Units Minimum

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: — **41 Units**

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

Certificate of Achievement in Mechanized Agriculture — 26 Units

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 certificate:

AB 20	Careers in Agriculture, Environmental Science and Natural Resources		1
AET 30	Tractors and Crawlers		3
AET 38	Diesel Engines and Machine Systems		4
AET 22	Natural Resources and Agri-Construction		3
or EH 22	Landscape Construction (3)		
AET 34	Farm Machinery		3
AET 36	Heavy Equipment Operation	(C)	6
WLD 20	Beginning Welding		4
AET 43	Hydraulic and Pneumatic Systems		2

Medical Office Administration

Career/Technical
AS Degree in Medical Office Administration
Certificate of Achievement in Medical Office Administration
Certificate in Basic Computer Competency
Certificate in Medical Office Administration

Medical Office Administration Program
www.butte.edu/departments/careertech/bcis/
Dorene Thompson, Chair (530) 895-2971
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

About the Program

The Bureau of Labor Statistics indicates that the Medical Office Administration occupational field is projected to grow about 7 to 18 percent (the nation's average) between 2010 and 2020. All major industries require individuals who can perform a variety of office administration tasks in order for the organization to run effectively and efficiently.

The BCIS Department is committed to offering career and technical education programs that provide students with the knowledge and skills needed to be successful in today's workplace. Students seeking a Certificate in Medical Office Administration, Certificate of Achievement in Medical Office Administration, or an Associate of Science Degree in Medical Office Administration will take a variety of core courses that will prepare them for the increasing demands of the 21st Century workplace.

In addition to Medical Office Administration, the Business Computer Information Systems (BCIS) Department offers three other majors: Computer Applications, Legal Office Administration and Office Administration.

Every student is encouraged to examine each of the majors and to speak with an academic counselor and a designated department advisor before making a final decision.

Career Opportunities

The medical office administration occupation job titles vary and can include: medical coders and billers, medical secretaries, medical transcriptionist, health information technicians, and medical receptionists.

Gainful Employment Information
Certificate of Achievement in Medical Office Administration:
www.butte.edu/curriculum/gainful-employment/0131501CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Medical Office Administration — 60 Units Minimum

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.
- 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.
- Describe the outpatient medical workplace environment and function in that environment as a knowledgeable, skilled, and professional team member.

Required courses for the major:			38 - 39 Units
ALH 104	Medical Terminology		3
BCIS 75	Medical Front Office Procedures		3
BCIS 18	Introduction to Business Technology		3
BCIS 12	Business Writing Skills		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 33	Skills for the Working Professional		1
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 62	Introduction to Medical Coding		3
BCIS 63	Introduction to Medical Billing		3
BCIS 51	Records Management		3
BCIS 76	Managing Electronic Health Records	(P)	3
BCIS 13	Business Communication		3
BIOL 2	Introduction to Human Biology		3
or BIOL 20	Human Anatomy (4)		
ACCT 128	Bookkeeping		2
BCIS 99	Work Experience-BCIS	(P)	2

Certificate of Achievement in Medical Office Administration — 32 Units

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.
- 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:

BCIS 12	Business Writing Skills		3
BCIS 18	Introduction to Business Technology		3
BCIS 51	Records Management		3
BCIS 13	Business Communication		3
ALH 104	Medical Terminology		3
BCIS 33	Skills for the Working Professional		1
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 62	Introduction to Medical Coding		3
BCIS 63	Introduction to Medical Billing		3
BCIS 75	Medical Front Office Procedures		3
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 76	Managing Electronic Health Records	(P)	3

Certificate in Basic Computer Competency — 5 - 6 Units

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 (1)	(P)	
BCIS 18	Introduction to Business Technology		3
BCIS 84	Basics of Computers		1

Certificate in Medical Office Administration

15 Units

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:

BCIS 12	Business Writing Skills	3
BCIS 75	Medical Front Office Procedures	3
BCIS 46	Electronic Calculator (Ten-Key)	2
BCIS 18	Introduction to Business Technology	3
ALH 104	Medical Terminology	3
BCIS 33	Skills for the Working Professional	1

Multimedia Studies

Career/Technical
AS Degree in Multimedia Studies
Certificate of Achievement in Multimedia Studies
Certificate in 2D Animation and Games

Multimedia Studies Program
Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

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.

All students will build a strong foundation of skills and knowledge in image design and sequencing, idea presentation, portfolio development, and an overview of the opportunities in Multimedia.

Career Opportunities

All areas of the multimedia industry are experiencing unprecedented growth in order to meet the industry's needs. At present, there is more demand for skilled, qualified, and knowledgeable workers than is available in the current labor pool.

Gainful Employment Information
Certificate of Achievement in Multimedia Studies:
www.butte.edu/curriculum/gainful-employment/0958200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Multimedia Studies — 60 Units Minimum

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

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 above.	24

Certificate in 2D Animation and Games — 9 Units

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

Natural Resources Management

Career/Technical
AS Degree in Natural Resources Management
Certificate in Ecological Restoration
Certificate in Parks and Recreation
Certificate in Wildlife Technician

Natural Resources Management Program
Ricky Wittsell, Advisor (530) 879-6194
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

About the Program

The Natural Resources curriculum 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.

Career Opportunities

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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Natural Resources Management

60 Units Minimum

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**

AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1
AB 25	Computer Applications in Agriculture	3
AET 30	Tractors and Crawlers	3
AGS 50	General Soils	4
AGS 20	Plant Science	3
NR 20	Introduction to Forestry and Natural Resources	3
NR 26	Environmental World	3
NR 28	Environmental Management	3
NR 40	Watershed Ecology and Habitat Restoration	3
NR 55	Wildlife Management	3
NR 60	Natural Resources Law	3
NR 65	Recreational Land Management	3
NR 70	Geospatial Data Applications	2
AGR 99	Work Experience-AGR (P)	2

Certificate in Ecological Restoration

17 Units

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:

NR 40	Watershed Ecology and Habitat Restoration	3
NR 60	Natural Resources Law	3
NR 70	Geospatial Data Applications	2
AET 26	Basic Surveying	3
AET 30	Tractors and Crawlers	3
EH 30	Irrigation Practices and Materials	3

Certificate in Parks and Recreation

17 Units

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:

NR 20	Introduction to Forestry and Natural Resources	3
NR 28	Environmental Management	3
NR 65	Recreational Land Management	3
NR 70	Geospatial Data Applications	2
AET 22	Natural Resources and Agri-Construction	3
AET 30	Tractors and Crawlers	3

Certificate in Wildlife Technician

14 Units

Student Learning Outcomes

Upon 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:

NR 40	Watershed Ecology and Habitat Restoration	3
NR 55	Wildlife Management	3
NR 60	Natural Resources Law	3
NR 70	Geospatial Data Applications	2
AET 22	Natural Resources and Agri-Construction	3
or EH 22	Landscape Construction (3)	

Office Administration

Career/Technical
AS Degree in Office Administration
Certificate of Achievement in Office Administration
Certificate in Basic Computer Competency
Certificate in Office Administration

Office Administration Program
www.butte.edu/departments/careertech/bcis/
Sandy Sloan, Advisor (530) 895-2385
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

About the Program

According to the Department of Labor, the role of today's office professional has greatly evolved as organizations have restructured to meet the demands of a changing economy and ever-expanding technologies.

The BCIS department is committed to offering career and technical education programs that provide students with the knowledge and skills needed to be successful in today's workplace. Students seeking a certificate or AS Degree in Office Administration will take a variety of core courses that will prepare them for the demands of the 21st Century workplace. These courses include office administration, business English, business math, business communications, accounting, records management, and a variety of office technologies.

Today's typical office administrator oversees the day-to-day operations in an office, including managing and supporting employees; creating, editing, and updating simple-to-complex documents, spreadsheets, presentations, and databases; planning and scheduling meetings and appointments; managing projects; organizing and maintaining paper and electronic files; conducting research; disseminating information using the telephone, mail services, websites, and e-mails; assisting with budgets; and monitoring the usage of office equipment and supplies.

In addition to the Office Administration major, the Business Computer Information Systems (BCIS) Department offers three other majors: Computer Applications, Legal Office Administration and Medical Office Administration.

Students are encouraged to examine each of the majors and speak with both an academic counselor and a designated department advisor to determine which major fits their needs.

Career Opportunities

Office Administrator, Administrative Associate, Office Assistant, Receptionist, Administrative Secretary, Executive Secretary, Information Clerk, Front Office Coordinator.

Gainful Employment Information
Certificate of Achievement in Office Administration:
www.butte.edu/curriculum/gainful-employment/0131301CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Office Administration — 60 Units Minimum

Student Learning Outcomes

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

- Apply effective listening, oral, written, interpersonal, and technological communication skills when encountering typical workplace interactions and dilemmas.
- 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.
- Identify and describe accepted accounting principles and complete the steps in an accounting cycle in order to prepare financial statements.
- Identify, explain, and demonstrate appropriate practices & methods used for handling office administration tasks.

Required courses for the major:			38 - 39 Units
BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 18	Introduction to Business Technology		3
BCIS 31	Business Presentation Software		1
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 12	Business Writing Skills		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 33	Skills for the Working Professional		1
BCIS 51	Records Management		3
BCIS 13	Business Communication		3
ACCT 128	Bookkeeping		2
or ACCT 20	Introduction to Accounting (3)		
BCIS 28	Microsoft Word for Windows		3
BCIS 85	Microsoft Excel for Windows	(P)	3
BCIS 50	Office Administration		3
BCIS 47	Desktop Publishing		3
BCIS 70K	Adobe Acrobat Professional		1
BUS 20	Introduction to Business		3
BCIS 99	Work Experience-BCIS	(P)	2

Certificate of Achievement in Office Administration — 29 - 30 Units

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.
- Identify and describe accepted accounting principles and complete the steps in an accounting cycle in order to prepare financial statements.
- Identify, explain, and demonstrate appropriate practices & methods used for handling office administration tasks.

Required courses for the certificate:

BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 18	Introduction to Business Technology		3
BCIS 31	Business Presentation Software		1
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 12	Business Writing Skills		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 33	Skills for the Working Professional		1
BCIS 51	Records Management		3
BCIS 13	Business Communication		3
ACCT 128	Bookkeeping		2
or ACCT 20	Introduction to Accounting (3)		
BCIS 28	Microsoft Word for Windows		3
BCIS 85	Microsoft Excel for Windows	(P)	3
BCIS 50	Office Administration		3

Certificate in Basic Computer Competency — 5 - 6 Units

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 (1)	(P)	
BCIS 18	Introduction to Business Technology		3
BCIS 84	Basics of Computers		1

Certificate in Office Administration — 12 Units

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:

BCIS 24	Keyboarding Speed/Accuracy Development	(P)	1
BCIS 18	Introduction to Business Technology		3
BCIS 31	Business Presentation Software		1
BCIS 70L	Introduction to Microsoft Outlook		1
BCIS 12	Business Writing Skills		3
BCIS 46	Electronic Calculator (Ten-Key)		2
BCIS 33	Skills for the Working Professional		1

Photography

Career/Technical
AS Degree in Photography
Certificate in Professional Photography

Photography Program
Dave Cooper, Chair (530) 895-2259
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Photography — 60 Units Minimum

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: — **32 Units**

PHO 1	History of Photography		3
PHO 2	Introduction to Photography		3
PHO 4	Color Photography	(P)	3
PHO 6	Black and White Photography	(P)	3
PHO 7	Stock Photography	(P)	3
PHO 8	Commercial Photography	(P)	3
PHO 11	Alternative Photographic Processes	(P)	3
PHO 14	Introduction to Photographic Portfolios and Books	(P)	3
PHO 15	Introduction to Adobe Lightroom		3
PHO 20	Photoshop for Photographers		3
PHO 99	Work Experience-PHO	(P)	2

Certificate in Professional Photography — 12 Units

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:

PHO 2	Introduction to Photography		3
PHO 4	Color Photography	(P)	3
PHO 8	Commercial Photography	(P)	3
PHO 15	Introduction to Adobe Lightroom		3

Radio-TV-Film

Career/Technical
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

Radio-TV-Film Program
Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

About the Program

To develop the media skills needed for a career, students will have access to a four-camera 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 transferability of these courses will be determined by the college or university students transfer to.

Career Opportunities

Computers, satellite teleconferencing, the Internet, interactive video games, digital audio/video production, the world of electronic communication is exploding across the country from the smallest elementary classroom to international corporations and government agencies.

Media related industries continue to be one of the fastest growing segments of the job market. As computer and video technology continue to expand there will be an ever-increasing demand for skilled workers at all levels of production and application.

Radio-TV-Film Certificates of Achievement serve many purposes. Students may utilize them in a job portfolio. Certificates of Achievement have helped many students advance in their current careers. Receiving a certificate will enhance a student's chances for entry into the job market.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Radio-TV-Film: Video Production — 60 Units Minimum

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 — 21 Units

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:		
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 in Mass Media Studies — 12 Units

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:		
RTVF 12	Mass Media and Society	3
RTVF 14	Introduction to Media Writing	3
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

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:

MSP 10	Digital Video Design and Production	3
RTVF 30	Digital Audio Production	3
RTVF 40	Digital Video Production	3

Real Estate

Career/Technical
AS Degree in Real Estate
Certificate of Achievement in Real Estate
Certificate in Real Estate Appraisal
Certificate in Real Estate Sales

Real Estate Program
Patrick Christensen, Chair (530) 895-2598
Department Office: BE 116, (530) 895-2371
Counseling and Advising: (530) 895-2378

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.

Student interested in careers in Real Estate should ensure that they check relevant websites for information about licensing requirements (including required coursework): the California Department of Real Estate (www.dre.ca.gov) and the California Office of Real Estate Appraisers (OREA) (www.orea.ca.gov).

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."

Career Opportunities

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; Experience: None required; 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.

Gainful Employment Information
Certificate of Achievement in Real Estate:
www.butte.edu/curriculum/gainful-employment/0131200CA.html

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Real Estate — 60 Units Minimum

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:			39 - 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
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)		
RLS 20	Real Estate Principles		3
RLS 25	Real Estate Practices	(P)	3
RLS 35	Real Estate Appraisal	(P)	3
RLS 40	Real Estate Finance	(P)	3
RLS 45	Real Estate Economics	(P)	3
or ECON 2	Principles of Macroeconomics (3)	(P)	
RLS 50	Escrow Procedures	(P)	3
RLS 55	Property Management	(P)	3
RLS 60	Real Estate Mortgage Brokerage	(P)	3

Certificate of Achievement in Real Estate — 24 - 25 Units

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

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

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

Recording Arts

Career/Technical
AA Degree in Recording Arts
Certificate of Achievement in Recording Arts
Certificate in Recording Arts for Musicians

Recording Arts Program
Daniel Donnelly, Chair (530) 895-2880
Department Office: ARTS 224, (530) 895-2404
Counseling and Advising: (530) 895-2378

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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AA Degree in Recording Arts — 60 Units Minimum

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	Musicianship I	(C)	1
MUS 20	Guitar I		1
or MUS 30	Voice I (1)		
or MUS 40	Piano I (1)		
MUS 51	Computer Literacy for Musicians		1.5
MUS 12	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)	
or MUS 41	Piano II (1)	(P)	
MUS 52	Introduction to Recording Techniques		3
MUS 53	Introduction to Recording Software Applications	(P)	3
MUS 54	Studio Recording I	(P)	4
MUS 55	Studio Recording II	(P)	4

Certificate of Achievement in Recording Arts — 25.5 Units

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:

MUS 10	Music Theory I	(C)	3
MUS 11	Musicianship I	(C)	1
MUS 20	Guitar I		1
or MUS 30	Voice I (1)		
or MUS 40	Piano I (1)		
MUS 51	Computer Literacy for Musicians		1.5
MUS 12	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)	
or MUS 41	Piano II (1)	(P)	
MUS 52	Introduction to Recording Techniques		3
MUS 53	Introduction to Recording Software Applications	(P)	3
MUS 54	Studio Recording I	(P)	4
MUS 55	Studio Recording II	(P)	4

Certificate in Recording Arts for Musicians — 17.5 Units

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:

MUS 10	Music Theory I	(C)	3
MUS 11	Musicianship I	(C)	1
MUS 51	Computer Literacy for Musicians		1.5
MUS 52	Introduction to Recording Techniques		3
MUS 53	Introduction to Recording Software Applications	(P)	3
MUS 54	Studio Recording I	(P)	4
Select 2 courses from the following:			2
MUS 20	Guitar I (1)		
MUS 30	Voice I (1)		
MUS 40	Piano I (1)		

Registered Nursing

Career/Technical
AS Degree in Registered Nursing

Registered Nursing Program
Susan Craig, Chair (530) 879-4338
Department Office: AHPS 215, (530) 895-2328
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

A registered nurse can seek employment in a variety of settings: acute care hospital, community/home health care, skilled and long term care, clinics, physician offices, and any number of private industries that interface with health care delivery. A national shortage of registered nurses is predicted for the next two decades.

Admission to the Program

Students are admitted by application only. Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials. Admission to the program is based on academic and general requirements. In the event that there are more qualified candidates than spaces in the program, a computerized lottery will be used to select the individuals to be enrolled.

Requirements for Application and Admission: Age 17 years or older with a 12th grade education or equivalent.

Completion of all prerequisites courses (prerequisites may not be in progress at the time of application).

An overall grade point average (GPA) of 2.5 for Human anatomy, Human Physiology, and Microbiology courses, with no grade less that "C" for each course and no more than one repetition of one of these courses.

An overall GPA of 2.5 for all prerequisite courses.

A minimum 62% composite score on the TEAS V test (may be repeated once).

Applicants that have failed, more than once, from any nursing program (LVN and/or RN) are ineligible to apply.

Persons with substance abuse issues or with conviction of crimes substantially related to the practice of nursing may not be granted a license by the California Board of Registered Nursing. Fingerprints are a required part of the application for licensure. Records that are expunged or sealed, and juvenile records will be accessed and reviewed. For more information, please visit the following website: http://www.rn.ca.gov/pdfs/enforcement/discguide.pdf

The Nursing Department will not accept online labs for BIOL 20 Human Anatomy, BIOL 21 Human Physiology or BIOL 15 Introduction to Microbiology.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Registered Nursing — 60 Units Minimum

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:			86 - 87 Units
Prerequisites Prior to Admission			
BIOL 20	Human Anatomy		4
BIOL 21	Human Physiology	(P)	4
BIOL 15	Introduction to Microbiology	(P)	5
FN 2	Nutrition		3
or FN 50	Nutrition and Diet Therapy (4)		
ENGL 2	Reading and Composition	(P)	3
MATH 108	Beginning Algebra	(P)	4
PSY 1	Principles of Psychology		3
CMST 2	Public Speaking		3
or CMST 4	Small Group Communication (3)		
or CMST 10	Interpersonal Communication (3)		
Other Required Courses			
(May be taken prior to or concurrently with the first year of program)			
Humanities GE Requirement for an AS Degree			3
ANTH 4	Cultural Anthropology		3
or SOC 2	Principles of Sociology (3)		
or SOC 4	Modern Social Problems (3)		
Program Sequence			
NSG 54	Foundations of Practice	(P/C)	3
NSG 55	Medical Surgical Nursing I	(P/C)	3
NSG 56	Clinical Nursing I	(P/C)	5
NSG 57	Nursing Seminar: Theory Integration I	(P/C)	1
NSG 60	Maternity Nursing	(P/C)	2
NSG 62	Medical-Surgical Nursing II	(P/C)	3
NSG 66	Clinical Nursing II	(P/C)	5
NSG 70	Theory Integration Seminar II	(P/C)	1
NSG 63	Pediatric Nursing	(P/C)	2
NSG 67	Complex Medical/Surgical Nursing III	(P/C)	2
NSG 61	Pharmacology	(P/C)	2
NSG 68	Clinical Nursing III	(P/C)	5
NSG 69	Gerontology/Community Based Nursing	(P/C)	2
NSG 71	Theory Integration Seminar III	(P/C)	2
NSG 74	Nursing Leadership and Management of Patient Care	(P/C)	2
NSG 77	Complex Medical/Surgical Nursing IV	(P/C)	2

NSG 78	Clinical Nursing IV	(P/C)	5
NSG 79	Mental Health/Psychiatric Nursing	(P/C)	2
NSG 81	Theory Integration Seminar IV	(P/C)	2

Multicultural breadth requirement met by completion of program

Registered Nursing: LVN to ADN

Career/Technical
AS Degree in Registered Nursing: LVN to ADN
Certificate of Achievement in Registered Nursing: LVN to ADN

Registered Nursing: LVN to ADN Program
Susan Craig, Chair (530) 879-4338
Department Office: AHPS 215, (530) 895-2328
Counseling and Advising: (530) 895-2378

About the Program

The Registered Nursing: LVN to ADN (Associate Degree) program admits LVNs to a curriculum to prepare them 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.

Career Opportunities

Gainful Employment Information
Certificate of Achievement in Registered Nursing LVN to ADN:
www.butte.edu/curriculum/gainful-employment/2000500CA.html

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.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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Registered Nursing: LVN to ADN — 60 Units Minimum

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:			62 Units
Prerequisite Courses			
ENGL 2	Reading and Composition	(P)	3
PSY 1	Principles of Psychology		3
MATH 108	Beginning Algebra	(P)	4
BIOL 15	Introduction to Microbiology	(P)	5
BIOL 20	Human Anatomy		4
BIOL 21	Human Physiology	(P)	4
CMST 2	Public Speaking		3
or CMST 4	Small Group Communication (3)		
or CMST 10	Interpersonal Communication (3)		
NSG 64	Transition to ADN Nursing I	(P)	1
NSG 65	Transition to ADN Nursing II	(P)	3
Other Required Courses			
(May be taken prior to or concurrently with the first year of the program)			
Humanities General Education Requirement			3
ANTH 4	Cultural Anthropology		3
or SOC 2	Principles of Sociology (3)		
or SOC 4	Modern Social Problems (3)		
Multicultural breadth requirement met by completion of program			
Program Sequence			
NSG 67	Complex Medical/Surgical Nursing III	(P/C)	2
NSG 68	Clinical Nursing III	(P/C)	5
NSG 69	Gerontology/Community Based Nursing	(P/C)	2
NSG 71	Theory Integration Seminar III	(P/C)	2

NSG 74	Nursing Leadership and Management of Patient Care	(P/C)	2
NSG 77	Complex Medical/Surgical Nursing IV	(P/C)	2
NSG 78	Clinical Nursing IV	(P/C)	5
NSG 79	Mental Health/Psychiatric Nursing	(P/C)	2
NSG 81	Theory Integration Seminar IV	(P/C)	2
NSG 61	Pharmacology	(P/C)	2

Certificate of Achievement in Registered Nursing: LVN to ADN

30 Units

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

BIOL 15	Introduction to Microbiology	(P)	5
BIOL 21	Human Physiology	(P)	4
NSG 64	Transition to ADN Nursing I	(P)	1
NSG 67	Complex Medical/Surgical Nursing III	(P/C)	2
NSG 68	Clinical Nursing III	(P/C)	5
NSG 69	Gerontology/Community Based Nursing	(P/C)	2
NSG 74	Nursing Leadership and Management of Patient Care	(P/C)	2
NSG 77	Complex Medical/Surgical Nursing IV	(P/C)	2
NSG 78	Clinical Nursing IV	(P/C)	5
NSG 79	Mental Health/Psychiatric Nursing	(P/C)	2

Respiratory Care

Career/Technical
AS Degree in Respiratory Care
Certificate of Achievement in Respiratory Care

Respiratory Care Program
Lisa Gunn, Chair (530) 895-2423
Department Office: AHPS 215, (530) 873-7533
Counseling and Advising: (530) 895-2378

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
1248 Harwood Road
Bedford, Texas 76021-4244
(817) 283-2835
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.

Career Opportunities

Gainful Employment Information
Certificate of Achievement in Respiratory Care:
www.butte.edu/curriculum/gainful-employment/0134200CA.html

Admission to the Program

Requirements for Admission: Age 17 years or older and all prerequisites completed (with a 'C' grade or better).

Prior to being officially admitted to the program students must pass a background check, drug screening, and physical exam, and verify their physical ability to perform the tasks required of a Respiratory Therapist.

Students are admitted by application only. Contact the Health Occupations office or visit www.butte.edu/healthoccupations for application dates and materials. Admission to the program is based on academic and general requirements. In the event that there are more qualified applicants than spaces in the program, a computerized lottery will be used to select the individuals to be enrolled.

Estimated expenses average about $4,500 - $5,000 for the entire program, including licensure. Financial aid may be available to qualified students.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Respiratory Care — 60 Units Minimum

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.

Required courses for the major: 90.75 - 91.75 Units

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.

Prerequisites for admission to the program			
CHEM 110	Introductory Chemistry		4
MATH 108	Beginning Algebra	(P)	4
or MATH 124	Intermediate Algebra (5)	(P)	
BIOL 15	Introduction to Microbiology	(P)	5
BIOL 20	Human Anatomy		4
BIOL 21	Human Physiology	(P)	4
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.			
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 4	Small Group Communication (3)		
KIN Activity Courses: 2 courses			2
BCIS 33	Skills for the Working Professional		1
Program Sequence			
RT 110	Fundamentals of Respiratory Care	(P)	7
RT 115	Clinical Preparation for Respiratory Care	(P)	.75
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)	3.75
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)	2.25
RT 160	Respiratory Care Seminar II	(P/C)	4
RT 165	Respiratory Care Practicum II	(P/C)	8

Certificate of Achievement in Respiratory Care

90.75 - 91.75 Units

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.
- Demonstrates 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.

Required courses for the certificate:

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.

Prerequisites for admission to the program			
CHEM 110	Introductory Chemistry		4
MATH 108	Beginning Algebra	(P)	4
or MATH 124	Intermediate Algebra (5)	(P)	
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 4	Small Group Communication (3)		
KIN Activity Courses: 2 courses			2
BCIS 33	Skills for the Working Professional		1
Program Sequence			
RT 110	Fundamentals of Respiratory Care	(P)	7
RT 115	Clinical Preparation for Respiratory Care	(P)	.75
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)	3.75
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)	2.25
RT 160	Respiratory Care Seminar II	(P/C)	4
RT 165	Respiratory Care Practicum II	(P/C)	8

Welding Technology

Career/Technical
AS Degree in Welding Technology
Certificate of Achievement in Welding Technology
Certificate in PowerPathway Gas Pipeline Welding
Certificate in Welding Technology Level I
Certificate in Welding Technology Level II
Certificate in Welding Technology Level III

Welding Technology Program
Don Robinson, Chair (530) 895-2469
Department Office: AHPS 251, (530) 895-2551
Counseling and Advising: (530) 895-2378

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.

Career Opportunities

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.

Gainful Employment Information
Certificate of Achievement in Welding Technology:
www.butte.edu/curriculum/gainful-employment/0132500CA.html

Certificate in Welding Technology Level I:
www.butte.edu/curriculum/gainful-employment/WELDINGLEVELICC.html

Certificate in Welding Technology Level II:
www.butte.edu/curriculum/gainful-employment/WELDINGLEVELII.CC.html

Certificate in Welding Technology Level III:
www.butte.edu/curriculum/gainful-employment/WELDINGLEVELIII.CC.html

Admission to the Program

The Welding Technology program is a two-semester program and only starts in the Fall Semester. We accept 50 students, the program is currently impacted. If you are interested in this program, please contact Don Robinson at (530) 895-2469 or email at robinsondo@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.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed at the beginning of the Career and Technical Education Programs section of this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AS Degree in Welding Technology — 60 Units Minimum

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: — **54 Units**

Upon completion of the following courses the student will be prepared to take the Welder Certification test:

WLD 22	Oxyacetylene Welding and Flame Cutting	(P/C)	2
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	(P/C)	8
WLD 25	Fabrication Practicums	(P/C)	2
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	(P/C)	3
WLD 28	Mig and Tig Arc Welding	(P/C)	3
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
BUS 25	Small Business Management		3
AB 54	Supervision and Management in Agriculture		3
BCIS 18	Introduction to Business Technology		3
or CSCI 2	Business and Computer Information Systems (3)		
WLD 99	Work Experience-WLD	(P)	2

Certificate of Achievement in Welding Technology — 43 Units

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:

WLD 22	Oxyacetylene Welding and Flame Cutting	(P/C)	2
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	(P/C)	8
WLD 25	Fabrication Practicums	(P/C)	2
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	(P/C)	3
WLD 28	Mig and Tig Arc Welding	(P/C)	3
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

Student Learning Outcomes

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

- Setup and safely operate welding equipment.
- Layout, cut, prepare, and weld various pipe joint designs.
- Apply qualification procedures of the API and ASME for certification.

Required courses for the certificate:

Courses within this pathway help prepare students for careers within the petrochemical/natural gas pipeline industry. The powerpathway specifically trains welders for potential apprentice welding positions within Pacific Gas and Electric.

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

Student Learning Outcomes

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

- Setup and safely operate welding equipment.
- Operate the SMAW units to weld in the flat, horizontal, vertical, and overhead positions.
- Demonstrate proper welding process of groove welds (with backing and open) per qualification procedures set by the AWS.

Required courses for the certificate:

Courses within this career pathway will help students prepare for a future in the welding industry as a novice welder and will also better prepare students success in the Welding Technology Program.

WLD 20	Beginning Welding		4
WLD 21	Intermediate Welding	(P)	4
WLD 152	Shop Practices for Intermediate Welders	(P)	1

Certificate in Welding Technology Level II

14 Units

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:

Courses within this career pathway will help students prepare for a future in the welding industry as an intermediate welder and will also better prepare students success in the Welding Technology Program.

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

Certificate in Welding Technology Level III

17 Units

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:

Courses within this career pathway will help students prepare for a future in the welding industry as an advanced welder and will also better prepare students success in the powerpathway gas pipeline welding certificate.

WLD 28	Mig and Tig Arc Welding	(P/C)	3
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 156	Shop Practices for Welders II	(P/C)	1

Butte College Transfer Majors

Requirements for an Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major as detailed in the Transfer Degree and Major section of the Catalog. All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a "pass-no pass" basis (title 5 § 55063).
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) (see page 120 for more information); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern (see pages 121-122 for more information).

Additional Information about AA-T's and AS-T's: The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Course Identification Numbering System (C-ID)
The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to **www.assist.org** to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at **www.assist.org** for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

Majors designated as AA-T or AS-T are designed for transfer to an unspecified CSU. Majors not designated AA-T or AS-T are designed for transfer to a specific CSU and are based on articulation with that CSU.

Students should make an appointment to consult with a counselor about college transfer and admission requirements, call (530) 895-2378 to make an appointment.

Administration of Justice (AS-T) 138
Agricultural Business (AS) (AS-T) 123
Agriculture/Natural Resources (AS) 124
Agriculture Plant Science (AS-T) 125
Anthropology (AA-T) 126
Applied Computer Graphics (AS) 127
Art History (AA-T) 129
Arts (AA) 129
Biological Science (AS) (AS-T) 131
Business Administration (AS) (AS-T) 132
Chemistry (AS) 133
Child Development (AS) 134
Communication Studies (AA) (AA-T) 136
Computer Science (AS) (AS-T) 137
Criminal Justice (AS) 138
Early Childhood Education (AS-T) 134
Economics (AA-T) 139
Elementary Teacher Education (AA-T) 134
Engineering (AS) 140
English (AA-T) 141
Environmental Science (AS) 142
General Physical Education (AA) 148
Geography (AA-T) 143
Geology (AS-T) 144
Graphic Design (AA) 145
History (AA-T) 146
Journalism (AA-T) 147
Kinesiology (AA-T) 148
Language Arts (AA) 150
Liberal Studies (AA) 151
Mathematics (AS) (AS-T) 152
Music (AA-T) 153
Nutrition and Food sciences (AS) 154
Physical Science (AS) 155
Physics (AS) (AS-T) 156
Political Science (AA-T) 157
Psychology (AA-T) 158
Social and Behavioral Science (AA) 159
Sociology (AA-T) 160
Studio Arts (AA-T) 129
Theatre Arts (AA-T) 161
University Studies (AA) 162

Admission and Transfer to Four-Year Institutions

For students who wish to extend their education to include a Bachelor's Degree, Butte College offers the first two years of the four-year program. Students planning to transfer should consult a counselor for program planning purposes. In addition, students may remove any high school grade or subject deficiencies which are preventing entrance to the four-year college or university.

Requirements for Junior Standing at Selected California Colleges and Universities

Students who plan to transfer to one of the California four-year colleges or universities should plan their courses at Butte College to include the required freshman and sophomore courses of the four-year institution. They should work closely with a counselor in order to ensure that their choice of courses at Butte College will fulfill both major and lower division requirements for the college or university of their choice, as well as the requirements for the Associate Degree at Butte College.

CSU Degree Planning

Students should examine the catalog of the state university which they expect to attend and plan a program with the aid of their counselors. Transfer programs in this Catalog are designed to closely match lower division major requirements at CSU, Chico.

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

- At least 60 transferable units
- A transferable course GPA of at least 2.0
- Within the 60 transferable units, at least 30 units of General Education requirements with a grade of C or better in each course.
- The 30 required General Education units must include categories A1, A2, A3, and B4, each with a "C" grade or better.

Transferability of Courses

Butte College has course transfer credit agreements with most California State Universities and Colleges, and the University of California. Articulation agreements are also made for many of the career education programs offered, such as agriculture, law enforcement, technology, home economics, and business. Students are cautioned to seek assistance in planning programs for transfer. Not all Butte College courses transfer to the State Universities and Colleges and the University of California. Admissions procedures of the State Universities and Colleges require students who are planning to transfer to use only transferable college credit courses for both admissions and graduation purposes. Students should consult a counselor in planning their programs. Articulation agreements for many California Colleges and Universities can be found at www.assist.org.

CSU General Education Certification

The 2016-2017 General Education certification requirements for California State Universities and Colleges are listed on page 120. Students enrolled on a continuous basis at a California Community College prior to the Academic Year 2016-2017 may complete their General Education requirements under the provisions outlined in the Catalog that was current at the date of their enrollment. Courses used for CSU General Education must appear on the GE list for the academic year the course was taken. Students can obtain lists of courses by contacting Butte College Counseling. For student transferring to CSU, Chico, see important GE modifications for certain majors on page 122.

GE Courses Removed From the List

General Education courses are valid as GE for transfer status only if the course is on the CSU GE list (or IGETC list) for the academic year in which the student takes the GE course. If a GE course is removed from the list in a subsequent academic year, that course cannot count towards the GE transfer if taken in the catalog year it is off the list. Plan to review with a counselor how this ruling may affect your transfer program.

Program Changes

Transfer Programs and Associate Degree requirements are subject to change without notice.

Information about course offerings, fees, refunds and college policies published in this Catalog is subject to change. It may be necessary to cancel courses or programs without prior notice in this publication. Students should consult a counselor for information.

CSU-Transferable General Education

California State University General Education-Breadth pattern

These lists represent currently approved and accepted courses for transfer to California State Universities. Additional courses proposed for General Education for 2016-2017 are shown in a special typeface with the following words: pending approval. Final approval for new GE courses takes place after press time for this Catalog. Students are advised to consult with a counselor when planning their transfer program.

Area B Through D Restrictions
A maximum of 30 lower division units may be applied to CSU General Education from Areas B through D.

Courses listed in more than one category can be counted in only one category except in Area B.

Area A
English Language Communication and Critical Thinking
Three courses, 9 semester units, with at least one course each from A1, A2, and A3.

A.1 Oral Communication
CMST 2, 2H, 4

A.2 Written Communication
ENGL 2

A.3 Critical Thinking
CMST 14
ENGL 11
MATH 7
PHIL 6, 8

Area B
Scientific Inquiry and Quantitative Reasoning
At least three courses, 9 semester units minimum, with one course each from B1, B2, and B4. The B3 requirement is met with the completion of a laboratory course or laboratory component from B1 or B2. Courses that meet this requirement are marked with a °. The course or component used to fulfill B3 can also be used to fulfill B1 or B2. When listed next to a lecture course, the adjoining laboratory course must be taken for certification.

B.1 Physical Science
AGS 50°
CHEM 1°, 2°, 21°, 22°, 51°
GEOG 2, 2/3°
GEOL 32°, 34°
PHYS 10/11°, 21°, 22°, 41°, 42°, 43°
PSC 10°, 11°, 12°, 20/21°, 30°, 30H°, 50/51°, 53

B.2 Life Science
AGS 20°, 40°
ANTH 2, 2H
BIOL 1°, 2, 5°,7, 9, 9H, 11°, 12°, 13°, 15°, 20°, 21°
PSY 3

B.3 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 °. The course or component used to fulfill B3 can also be used to fulfill B1 or B2. When listed next to a lecture course, the adjoining laboratory course must be taken for certification.

B.4 Mathematics/Quantitative Reasoning
MATH 5, 11, 12, 13, 18, 19, 20, 26, 30, 31, 32, 40, 42

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.

C.1 Arts (Art, Dance, Music, Theater)
ART 1**, 2, 2H, 3**, 4, 4H, 5, 6**
CMST 6
DRAM 2, 8
MUS 1, 5, 6, 7, 9**, 10, 12
PHO 1
RTVF 15

C.2 Humanities (Literature, Philosophy, Foreign Languages)
ANTH 17
CHIN 1, 2
ECON 20
ENGL 4, 6, 8, 10, 14, 15, 16, 20, 21, 25, 26*, 35**, 45*, 47*, 52H, 53H**
FREN 1, 2
GERM 1, 2, 3, 4
HIST 3, 5, 8, 10, 18*, 26, 28, 30*
HUM 17, 22
ITAL 1, 2
JPN 1, 2, 3, 4
LATN 1, 2, 3
PHIL 2, 5, 16, 18**, 58
RTVF 13
SIGN 1, 2
SPAN 1, 2, 3, 4, 14, 16

Area D
Social Sciences
Three courses, 9 semester units, with courses from at least two disciplines.
AJ 1, AGS 10**, ANTH 4**, 4H, 13**, 14, 16**, 18**, 32*, 33**, 34*, CDF 14, CMST 9*, 10, 13, ECON 2, 4, 20, 20H, 25, 35, GEOG 4**, 5**, 8**, 10*, 12, HIST 3**, 5**, 6, 18*, 20**, 30*, HUM 17, MCS 32*, 36*, 38*, NR 26, POS 2, 3, 12, 14**, 16, 18, PSY 1, 6, 7, 11, 15, 16, 41*, RTVF 12, SOC 2, 4, 5, 10, 14, 20* 30*

Area E
Lifelong Learning and Self-Development
One course, 3 semester units.
BUS 62
CLP 30
CSL 20
ENGL 31
FN 2
HLTH 2, 10
LM 40
POS 92
PSY 15, 20, 34**, 36
SOC 8, 14

U.S. History, Constitution, and American Ideals
One course from each category.

Category 1
U.S. History
ECON 20
HIST 8, 10, 26

Category 2
Government
POS 2, 12

* Meets requirement for CSU, Chico United States Diversity Studies

** Meets requirement for CSU, Chico Global Cultures Studies

Guide to IGETC: CSU/UC Transfer

This Intersegmental GE Transfer Curriculum information is for students beginning their college education during the 2016-2017 academic year. 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 the Bachelor's Degree Breadth and General Ed

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 any other programs students wish to consider.

The Intersegmental General Education Transfer Curriculum (IGETC) specifies a series of subject areas and types of courses which, if completed prior to transfer, will satisfy the lower division Breadth and General Education requirements at any public university in California. It consists of a minimum of 37 units for California State University (CSU) students and a minimum of 34 units for University of California (UC) students. CSU students have the option of completing the IGETC or the CSU General Education requirements. UC students have the option of completing IGETC or the campus-specific Breadth and General Education requirements.

Students are referred to the Butte College document "Choosing the General Education Option" for information which will help them select the General Education preparation which suits their individual educational need. Students are strongly advised to work with a Butte College Counselor when making this decision.

Note: A satisfactory ("C" or "P") grade or higher must be earned in all courses used in IGETC. When the IGETC option is selected, the entire set of requirements must be met prior to transfer. Courses completed at other institutions can be used to meet IGETC requirements.

Requirements for a Major

A major consists of a group of courses which emphasize a depth of study in a particular field. Majors may require as few as 30 semester units or as many as 100 semester units. IGETC isn't normally the best option for students in "high unit majors." Certain majors require courses which also meet IGETC requirements. Courses can be used for both purposes. Individual campuses may have limitations as to the number of courses which can be used in this way. Careful course planning provides the greatest opportunity for maximizing options within a Bachelor's Degree program.

Electives Requirement

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

Admissions and IGETC

IGETC is not an admission requirement. However, completion of IGETC prior to transfer may improve a student's chances for admission to impacted campuses and/or programs. As they prepare to transfer, students are strongly advised to file their admissions application during the priority filing period. Consult a counselor for those dates.

General Education Courses Removed From the List

General Education courses are valid as GE for transfer status only if the course is on the IGETC list or CSU GE list for the academic year in which students take the GE course. If a GE course is removed from the list in a subsequent academic year, that course cannot count towards the GE transfer if taken in the catalog year it is off the list. Plan to review with a counselor how this ruling may affect the transfer program.

Help With the Transfer Process

Any student considering transfer to a four-year college or university should take advantage of all transfer-process services offered by the college. These services are all directed at making the transfer to colleges and universities as smooth and efficient as possible.

Services offered at the Counseling Center and the Transfer Center are designed to assist students from the time they enter Butte, during their time here, and through the transfer experience to the university of the their choice.

Exploring Majors, Universities, and Careers

Services include exploration, (choice of major, university, and career), academic planning, and transition services to the transfer institution.

The Transfer Center, located within the Career Center complex, coordinates the delivery of services to Butte College students who wish to transfer to four- year schools.

Although the Center serves all of Butte's students, special emphasis is placed on supplying services to under-represented students, (Black, disabled, Hispanic, Native American, and Pacific Islanders).

The Transfer Center encourages students to use all the resources of the college to ensure successful transfer.

Counseling and Advising
(530) 895-2378

Transfer Counseling Center
(530) 895-2264

Courses Applicable to IGETC

For CSU, Chico only: Majors with Important Modifications to General Education Requirements

Certain majors at CSU Chico allow for some modifications to General Education requirements. These modifications may include special approval for various required non-GE courses to count in the GE categories indicated. For more information go to the "Majors with Important Modifications to General Education Requirements" on the CSU Chico website.
https://catalog.csuchico.edu/viewer/16/GENED/GEMAJORMOD.html

Courses listed in more than one category can be counted in only one category.

Area 1 - English Communication

1A English Composition
One course, 3 semester units required
ENGL 2

1B Critical Thinking
One course, 3 semester units required
CMST 14
ENGL 11
MATH 7
PHIL 8

1C Oral Communication (CSU requirement only)
One course, 3 semester units required (CSU only)
CMST 2, 2H, 4

Area 2 - Mathematical Concepts and Quantitative Reasoning

One course, 3 semester units required.

2A Math
MATH 12, 13, 18, 26, 30, 31, 32, 40, 42

Area 3 - Arts and Humanities

At least three courses, with at least one course from 3A, one course from 3B, and the third course from 3A or 3B. 9 semester units required.

3A Arts
ART 1**, 2, 2H, 3**, 4, 4H, 5, 6**
DRAM 2
MUS 1, 5, 6, 9**, 10, 12
PHO 1
RTVF 15

3B Humanities
ANTH 17
CMST 6
ENGL 4, 8, 10, 14, 15, 16, 20, 21, 25, 26*, 31, 35**, 45*, 47*, 52H, 53H**
HIST 8, 10, 18*, 26, 28, 30*
HUM 17, 22
LATN 3
PHIL 2, 5, 16, 18**
SPAN 14, 16

Area 4 - Social and Behavioral Sciences

Three Courses – 9 semester units required with courses from at least 2 of the disciplines listed below.
AGS 10**, ANTH 4**, 4H, 14, 16**, 18**, 32*, 33**, 34*, CMST 9*, 13 ECON 2, 4, 20, 20H, GEOG 4**, 5**, 8**, 10*, HIST 3**, 5**, 6, 18*, MCS 32*, 36*, NR 26, POS 2, 3, 14**, 16, 18, PSY 1, 6, 15, 16, 41*, RTVF 12, SOC 2, 4, 5, 10, 14, 20*, 30*

Area 5 - Physical and Biological Sciences

At least two courses, one from 5A and one from 5B (at least one to include a laboratory). Courses marked with "°" will satisfy the lab requirement. Courses to the right of a "/" are optional laboratory experiences. 7-9 semester units required.

5A Physical Science
AGS 50°
CHEM 1°, 2°, 21°, 22°
GEOG 2, 2/3°
GEOL 32°, 34°
PHYS 10/11°, 21°, 22°, 41°, 42°, 43°
PSC 10°, 12°, 20/21°, 30°, 50/51°, 53

5B Biological Science
AGS 20°
ANTH 2, 2H
BIOL 1°, 2, 5°, 7, 9, 9H, 11°, 12°, 13°, 15°, 20°, 21°
PSY 3

Area 6 - Languages Other Than English (UC only)

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

6A Languages Other Than English

CHIN 2	FREN 2	GERM 2, 3, 4	ITAL 2	JPN 2, 3, 4
LATN 2, 3	SIGN 2	SPAN 2, 3, 4		

U.S. History, Constitution, and American Ideals (CSU) American History and Institutions (UC)

One course each from Category 1 and Category 2 will meet both the CSU and the UC graduation requirements. Courses used for this purpose may not be used to fulfill IGETC requirements.
Note: Many students have met the U.C. 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	Category 2
U.S. History	**Government**
ECON 20	POS 2, 12‡
HIST 8, 10, 26	‡Note: POS 12 can be used to meet the Category 2 requirement for CSU only. It cannot be used for the UC.

* Meets requirement for CSU, Chico United States Diversity Studies
** Meets requirement for CSU, Chico Global Cultures Studies

Agricultural Business

Transfer
AS Degree in Agricultural Business
AS-T Degree in Agriculture Business

Agricultural Business Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2551
Bruce Hicks, Chair (530) 895-2514

About the Program

AS Degree in Agricultural Business
The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AS-T Degree in Agriculture Business
The Associate in Science in Agriculture Business for Transfer is intended for students who plan to complete a bachelor's degree in Agriculture Business at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Agricultural Business — 60 Units Minimum

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.

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-T Degree in Agriculture Business — 60 Units Minimum

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

- Accumulate, record, and analyze agricultural financial statements
- Analyze specific 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
AGS 20	Plant Science		3
AB 50	Agricultural Accounting		3

Agriculture/Natural Resources

Transfer
AS Degree in Agriculture and Natural Resources

Agriculture/Natural Resources Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2551
Bruce Hicks, Chair (530) 895-2514

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Agriculture and Natural Resources

60 Units Minimum

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**
AB 22	Agricultural Economics		3
or AB 50	Agricultural Accounting (3)		
or ACCT 2	Financial Accounting (4)		
AET 22	Natural Resources and Agri-Construction		3
AGS 40	Introduction to Animal Science		3
AGS 50	General Soils		4
or AGS 20	Plant Science (3)		
CHEM 1	General Chemistry I	(P)	5
or CHEM 51	Elementary Inorganic Chemistry (5)	(P)	
CHEM 2	General Chemistry II	(P)	5
or CHEM 52	Elementary Organic and Biochemistry (4)	(P)	
MATH 18	Introduction to Statistics	(P)	3
Electives - Select 6 units from the following:			6
AB 20	Careers in Agriculture, Environmental Science and Natural Resources (1)		
AB 25	Computer Applications in Agriculture (3)		
AB 26	Introduction to Agriculture Business (3)		
AB 50	Agricultural Accounting (3)		
AB 54	Supervision and Management in Agriculture (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)		

Agriculture Plant Science

Transfer
AS-T Degree in Agriculture Plant Science

Agriculture Plant Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2551
Carrie Monlux, Chair (530) 895-2494

About the Program

The Associate in Science in Agriculture Plant Science for Transfer degree (AS-T in Agriculture Plant Science) is intended for students who plan to complete a bachelor's degree in Agriculture Plant Science at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS-T Degree in Agriculture Plant Science — 60 Units Minimum

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:			
AGS 50	General Soils		4
AGS 20	Plant Science		3
MATH 18	Introduction to Statistics	(P)	3
CHEM 51	Elementary Inorganic Chemistry	(P)	5
or CHEM 1	General Chemistry I (5)	(P)	
AB 22	Agricultural Economics		3
or ECON 4	Principles of Microeconomics (3)	(P)	
List A: Select one			
EH 70	Plant Propagation and Nursery Practices		3
AET 30	Tractors and Crawlers		3
EH 23	Fall Plant Identification		3
EH 24	Spring Plant Identification		3
CHEM 21	Organic Chemistry I	(P)	5

Anthropology

Transfer
AA-T Degree in Anthropology

Anthropology Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Trolinger, Chair (530) 895-2301

About the Program

The Associate in Arts in Anthropology for Transfer degree (AA-T in Anthropology) creates a transfer pathway for students who plan to complete a Bachelor of Science in Anthropology at a California State University. With the completion of the AA-T in Anthropology, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Anthropology.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Anthropology — 60 Units Minimum

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			
Any course from List A not already used			
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

Applied Computer Graphics

Transfer

AS Degree in Applied Computer Graphics: Production/Art Studio

AS Degree in Applied Computer Graphics: Production/ Communication Design

AS Degree in Applied Computer Graphics: Technical/Art Studio

AS Degree in Applied Computer Graphics: Technical/ Communication Design

Applied Computer Graphics Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2531
Boyd Trolinger, Advisor (530) 895-2503

About the Program

Applied Computer Graphics blends courses from Art, Computer Science, Multimedia Studies, and Radio-Television-Film to create a cutting-edge multidisciplinary program. Students in Applied Computer Graphics learn to use art and technology to create interactive multimedia experiences such as video games and digital animations. The program prepares students for transfer to the Applied Computer Graphics program at California State University, Chico and provides a foundation for similar majors at other four-year colleges and universities.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Applied Computer Graphics: Production/Art Studio — 60 Units Minimum

Student Learning Outcomes

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

- Identify, examine, and assess representative works of historical and contemporary art employing appropriate terminology.
- Demonstrate a working knowledge of the basic elements of two-dimensional and three-dimensional art.
- Create drawings that demonstrate the basic principles of spatial illusion and observational drawings from live figure models
- List and describe the formal and dramatic elements that comprise a well-designed game and conceptualize and refine an idea for a game.
- Design and implement computer algorithms and programs using basic computation, input and output, and control structures.
- Identify and demonstrate the basic processes used to create and modify digital artwork.
- Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video game and entertainment industries.

Required courses for the major:		24 Units
ART 2	Art History Survey I	3
or ART 4	Art History Survey II (3)	
ART 7	2-D Foundations	3
or ART 9	3-D Foundation (3)	
ART 8	Basic Drawing	3
ART 14	Basic Figure Drawing	3
CSCI 11	Introduction to Game Design and Development	3
CSCI 3	Introduction to Computer Science	3
or CSCI 20	Programming and Algorithms I (3)	
MSP 9	Concept Art and Design for Entertainment Media	3
MSP 96	Introduction to Computer Graphics	3

AS Degree in Applied Computer Graphics: Production/Communication Design — 60 Units Minimum

Student Learning Outcomes

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

- Identify and demonstrate the basic techniques of digital audio production.
- List and describe the formal and dramatic elements that comprise a well-designed game and conceptualize and refine an idea for a game.
- Design and implement computer algorithms and programs using basic computation, input and output, and control structures.
- Identify and demonstrate the basic processes used to create and modify digital artwork.
- Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video game and entertainment industries.

Required courses for the major:			18 Units
RTVF 30	Digital Audio Production		3
CSCI 11	Introduction to Game Design and Development		3
CSCI 3	Introduction to Computer Science		3
or CSCI 20	Programming and Algorithms I (3)		
PHO 4	Color Photography	(P)	3
MSP 9	Concept Art and Design for Entertainment Media		3
MSP 96	Introduction to Computer Graphics		3

AS Degree in Applied Computer Graphics: Technical/Art Studio — 60 Units Minimum

Student Learning Outcomes

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

- Identify, examine, and assess representative works of historical and contemporary art employing appropriate terminology.
- Demonstrate a working knowledge of the basic elements of two-dimensional and three-dimensional art.
- List and describe the formal and dramatic elements that comprise a well-designed game and conceptualize and refine an idea for a game.
- Design and implement computer algorithms and programs using basic computation, input and output, and control structures.
- Design and implement computer applications, using a variety of data structures, in an object-oriented programming language.
- Identify and demonstrate the basic processes used to create and modify digital artwork.
- Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video game and entertainment industries

Required courses for the major:			21 Units
ART 2	Art History Survey I		3
or ART 4	Art History Survey II (3)		
ART 7	2-D Foundations		3
or ART 8	Basic Drawing (3)		
or ART 9	3-D Foundation (3)		
or ART 14	Basic Figure Drawing (3)		
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 96	Introduction to Computer Graphics		3

AS Degree in Applied Computer Graphics: Technical/Communication Design

60 Units Minimum

Student Learning Outcomes

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

- Identify and demonstrate the basic techniques of digital audio production.
- List and describe the formal and dramatic elements that comprise a well-designed game and conceptualize and refine an idea for a game.
- Design and implement computer algorithms and programs using basic computation, input and output, and control structures.
- Design and implement computer applications, using a variety of data structures, in an object-oriented programming language.
- Identify and demonstrate the basic processes used to create and modify digital artwork.
- Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video game and entertainment industries.

Required courses for the major:			18 Units
RTVF 30	Digital Audio Production		3
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 96	Introduction to Computer Graphics		3

Arts

Transfer
AA Degree in Arts
AA-T Degree in Art History
AA-T Degree in Studio Arts

Arts Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS 224, (530) 895-2404
Dave Cooper, Chair (530) 895-2259

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AA-T Degree in Art History
The Associate in Arts in Art History for Transfer degree (AA-T in Art History) creates a transfer pathway for students who plan to complete a Bachelor of Arts in Art History at a California State University. With the completion of the AA-T in Art History, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Art History.

AA-T Degree in Studio Arts
The Associate in Arts in Studio Arts for Transfer degree (AA-T in Studio Arts) creates a transfer pathway for students who plan to complete a Bachelor of Arts in Studio Arts at a California State University. With the completion of the AA-T in Studio Arts, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Studio Arts.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Arts

60 Units Minimum

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/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 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-T Degree in Art History

60 Units Minimum

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
ART 4	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 7	2-D Foundations	3
ART 9	3-D Foundation	3
ART 14	Basic Figure Drawing	3
MSP 30	Introduction to Digital Art	3
ART 50	Beginning Ceramics	3

PHO 2	Introduction to Photography	3
ART 60	Beginning Sculpture	3

List C: Select one

Any course from List A or B not already used

ART 5	Survey of Modern Art	3
ART 1	Art Appreciation	3

AA-T Degree in Studio Arts

60 Units Minimum

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
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
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

Biological Science

Transfer
AS Degree in Biological Science
AS-T Degree in Biology

Biological Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Gary Lechner, Chair (530) 893-7416

About the Program

The transfer major listed here reflects the core lower division requirements for many CSU and UC campuses, particularly CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AS Degree in Biological Science
The Biological Sciences transfer major is designed for students who plan to earn a bachelor's degree in Biology or a related field. This transfer major also serves as a basis for pre-medicine, pre-dentistry and pre-veterinarian students.

AS-T Degree in Biology
The Associate in Science in Biology for Transfer degree (AS-T in Biology) is intended for students who plan to complete a bachelor's degree in Biology at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Biological Science — 60 Units Minimum

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)	

AS-T Degree in Biology — 60 Units Minimum

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)	

Business Administration

Transfer
AS Degree in Business Administration
AS-T Degree in Business Administration

Business Administration Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: BE 116, (530) 895-2371
Patrick Christensen, Chair (530) 895-2598

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Students interested in specializing in Management, Marketing, Finance, Human Resource Management, and Accounting should complete these courses at Butte College. Specialization courses will be taken after transfer.

AS-T Degree in Business Administration
The Associate in Science in Business Administration for Transfer degree is intended for students who plan to complete a bachelor's degree in Business Administration at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Business Administration — 60 Units Minimum

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 - 24 Units
ACCT 2	Financial Accounting		4
ACCT 4	Managerial Accounting	(P)	4
BUS 20	Introduction to Business		3
ECON 2	Principles of Macroeconomics	(P)	3
ECON 4	Principles of Microeconomics	(P)	3
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	(P)	3
MATH 18	Introduction to Statistics	(P)	3

AS-T Degree in Business Administration — 60 Units Minimum

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
Required Core:			
ACCT 2	Financial Accounting		4
ACCT 4	Managerial Accounting	(P)	4
ECON 4	Principles of Microeconomics	(P)	3
ECON 2	Principles of Macroeconomics	(P)	3
BUS 8	Legal Environment of Business		3
List A: Select one			
MATH 13	Survey of Calculus	(P)	4
MATH 18	Introduction to Statistics	(P)	3
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	(P)	3
List B: Select two			
Any course from List A not already used			
CSCI 2	Business and Computer Information Systems		3
BUS 20	Introduction to Business		3

Chemistry

Transfer
AS Degree in Chemistry

Chemistry Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Michael Panunto, Chair (530) 895-2229

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Chemistry — 60 Units Minimum

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:			40 Units
CHEM 1	General Chemistry I	(P)	5
CHEM 2	General Chemistry II	(P)	5
CHEM 21	Organic Chemistry I	(P)	5
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
PHYS 41	Physics for Scientists and Engineers I	(P)	4
PHYS 42	Physics for Scientists and Engineers II	(P)	4
PHYS 43	Physics for Scientists and Engineers III	(P)	4

Child Development

Transfer
AS Degree in Child Development
AS-T Degree in Early Childhood Education
AA-T Degree in Elementary Teacher Education

Child Development Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2542
Terri Hutton, Chair (530) 895-2855

About the Program

AS Degree in Child Development
The Transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Comparable programs are available at CSU, Fresno, Long Beach, Northridge, Pomona, Sacramento, and San Francisco. The program is complemented by an on-campus Child Development Center that serves as a laboratory for students in Early Childhood Education and other areas. A Bachelor of Arts in Child Development, available at CSU or UC, prepares students for careers related to working with children, youth, and their families in education and health and human service settings. Employment opportunities include working in infant-toddler facilities, preschools, elementary schools, social services in public and private institutions, and in agencies that review, influence and develop public policy and research for children and families.

The Child Development and Family Relations faculty recommend that CDF 12: Child, Family, and Community be taken in addition to the required courses since it partially meets California State Child Care Licensing requirements.

AS-T Degree in Early Childhood Education
The Associate in Science in Early Childhood Education for Transfer degree is intended for students who plan to complete a bachelor's degree in Early Childhood Education at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

AS-T Degree in Elementary Teacher Education
The Associate in Arts in Elementary Teacher Education for Transfer creates a transfer pathway for students who plan to complete a Bachelor of Arts in Liberal Arts, a teaching credential, or related program at a California State University. With the completion of the AA-T in Elementary Teacher Education, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year Liberal Arts, teaching credential, and related programs.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Child Development — 60 Units Minimum

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**
FN 2	Nutrition		3
or FN 50	Nutrition and Diet Therapy (4)		
CDF 14	Child Growth and Development		3
CDF 40	Observation and Assessment	(P)	3
CDF 63	Introduction to Early Childhood Education Curriculum	(P)	3
SOC 8	Introduction to Marriage, Family and Intimate Relationships		3
PSY 41	Socio-Cultural Context of Psychological Development		3

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

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:			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

AA-T Degree in Elementary Teacher Education

60 Units Minimum

Student Learning Outcomes

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

- Evaluate and apply Transitional Kindergarten 12th grade state-adopted curriculum standards and frameworks, and teach to a diverse population of students.
- 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.
- Create and maintain an inclusive learning environment that supports all students academic and personal success.

Required courses for the major:			48 Units
Required Core:			
EDUC 2	Introduction to Education		3
CDF 14	Child Growth and Development		3
BIOL 1	Introduction to Biology		4
PSC 12	Concepts in Physical Science	(P)	4
PSC 11	Earth Science with Lab		4
MATH 4	Concepts in Mathematics for Teachers I	(P)	3
CMST 2	Public Speaking		3
ENGL 2	Reading and Composition	(P)	3
ENGL 4	Introduction to Literature	(P)	3
GEOG 8	World Regional Geography		3
HIST 3	World History to 1500		3
HIST 8	United States History to 1877		3
POS 2	United States Government		3
List A: Select one			
CMST 14	Argumentation and Debate	(P)	3
ENGL 11	Communication and Critical Thinking	(P)	3
MATH 7	Formal Logic and Writing	(P)	3
PHIL 6	Introduction To Logic		3
PHIL 8	Methods of Argument	(P)	3
List B: Select one			
ART 1	Art Appreciation		3
MUS 1	Music Appreciation		3
DRAM 2	Theatre Arts Appreciation		3

Communication Studies

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

Communication Studies Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Stacey Bartlett, Chair (530) 895-2243

About the Program

The Communication Studies program at Butte College prepares students for transfer to a baccalaureate major in Communication Studies for the California State University. In addition, 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. We offer two degree options.

AA Degree in Communication Studies
The Associate of Arts (AA) in Communication Studies degrees are intended for students who plan to earn an AA degree in Communication Studies in support of career or other academic endeavors or who plan to specifically transfer to CSU, Chico. The Associate in Arts (AA) and Associate in Science (AS) degrees require the completion of all Butte College graduation requirements including specified major degree requirements as detailed in the catalog. Students are encouraged to contact a counselor or see www.assist.org.

AA-T Degree in Communication Studies
The Associate in Arts in Communication Studies for Transfer is intended for students who plan to complete a bachelor's degree in Communication Studies or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Communication Studies — 60 Units Minimum

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

- Demonstrate skills to connect, work and play well with others.
- Communicate ethically, responsibly, and effectively as local, national and global citizens.
- Research, organize, and create messages using appropriate resources.
- Effectively present formal and informal communication to a variety of audiences in multiple contexts.
- Demonstrate critical thinking skills.

Required courses for the major:			18 Units
CMST 2	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-T Degree in Communication Studies — 60 Units Minimum

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

- Demonstrate skills to connect, work, and play well with others.
- Communicate ethically, responsibly, and effectively as local, national and global citizens.
- Research, organize, and create messages using appropriate resources.
- Effectively present formal and informal communication to a variety of audiences in multiple contexts.
- Demonstrate critical thinking skills.

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

Computer Science

Transfer
AS Degree in Computer Science
AS-T Degree in Computer Science

Computer Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2531
Boyd Trolinger, Advisor (530) 895-2503

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Students taking the required courses for this transfer major must also take the prerequisites for these courses. The combination of the required Computer Science courses and their prerequisites provide an excellent preparation for students majoring in Computer Science at the four-year university level.

AS-T Degree in Computer Science
The Associate in Science in Computer Science for Transfer is intended for students who plan to complete a bachelor's degree in Computer Science at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Computer Science — 60 Units Minimum

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: — **33 - 34 Units**

CSCI 10	Computer Architecture and Organization	(P)	3
CSCI 20	Programming and Algorithms I		3
CSCI 21	Programming and Algorithms II	(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
BIOL 1	Introduction to Biology		4
or BIOL 13	Cell and Molecular Biology (5)	(P)	

AS-T Degree in Computer Science — 60 Units Minimum

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

Criminal Justice

Transfer
AS Degree in Criminal Justice
AS-T Degree in Administration of Justice

Criminal Justice Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 144, (530) 895-2401
Mike Maloney, Director (530) 879-4349

About the Program

AS Degree in Criminal Justice
The Criminal Justice transfer degree major 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.

AS-T Degree in Administration of Justice
The Associate in Science in Administration of Justice for Transfer is intended for students who plan to complete a bachelor's degree in Administration of Justice or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Criminal Justice — 60 Units Minimum

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:			18 Units
AJ 2	Administration of Justice		3
AJ 4	Criminal Law		3
AJ 6	Evidence		3
AJ 8	Criminal Investigation		3
AJ 10	Juvenile Procedures		3
AJ 14	Community Oriented Policing		3

AS-T Degree in Administration of Justice — 60 Units Minimum

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

Economics

Transfer
AA-T Degree in Economics

Economics Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: BE 116, (530) 895-2371
Patrick Christensen, Chair (530) 895-2598

About the Program

The Associate in Arts in Economics for Transfer degree (AA-T in Economics) creates a transfer pathway for students who plan to complete a Bachelor of Arts in Economics or related program at a California State University. With the completion of the AA-T in Economics, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year Economics programs. The Associate in Arts in Econimics for Transfer is intended for students who plan to complete a bachelor's degree in English or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Economics — 60 Units Minimum

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

Engineering

Transfer
AS Degree in Engineering

Engineering Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2531
Francesco Madaro, Advisor (530) 895-2545

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Engineering — 60 Units Minimum

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.
- Safely 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			
CHEM 1	General Chemistry I	(P)	5
ENGR 17	Electrical Circuits and Devices	(P)	4
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
PHYS 41	Physics for Scientists and Engineers I	(P)	4
PHYS 42	Physics for Scientists and Engineers II	(P)	4
PHYS 43	Physics for Scientists and Engineers III	(P)	4
Civil Engineering Option at CSU, Chico			
ENGR 3	Plane Surveying I	(P)	3
ENGR 4	Plane Surveying II	(P)	3
ENGR 8	Statics	(P)	3
ENGR 45	Materials Science	(P)	4
DFT 12	Beginning AutoCAD Drafting		3
Computer Engineering Option at CSU, Chico			
CSCI 10	Computer Architecture and Organization	(P)	3
CSCI 20	Programming and Algorithms I		3
or CSCI 21	Programming and Algorithms II (3)	(P)	
Electrical/Electronic Engineering Option at CSU, Chico			
CSCI 10	Computer Architecture and Organization	(P)	3
CSCI 20	Programming and Algorithms I		3
Mechanical Engineering Option at CSU, Chico			
DFT 2	Engineering Graphics I		3
ENGR 8	Statics	(P)	3
ENGR 45	Materials Science	(P)	4
DFT 8	Engineering Graphics II	(P)	3

CSU, Chico also offers an option in Mechatronic Engineering. Visit www.assist,org for more information

English

Transfer
AA-T Degree in English

English Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Cristina Dahl, Chair (530) 895-2278

About the Program

The Associate in Arts in English for Transfer (AA-T) creates a transfer pathway for students who plan to complete a Bachelor of Arts in English at a California State University. 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. The Associate in Arts in English for Transfer is intended for students who plan to complete a bachelor's degree in English or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in English — 60 Units Minimum

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: 18 Units

Required Core:

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
ENGL 20	Introduction to Poetry		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
ENGL 45	Latino Literature and its Latin American Roots		3
ENGL 47	Native American Literature		3

Environmental Science

Transfer
AS Degree in Environmental Science

Environmental Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Michael Panunto, Chair (530) 895-2229

About the Program

The transfer major listed here partially reflects requirements for CSU, Humboldt. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

The major promotes an understanding of basic operational principles underlying the biosphere and ecosystem through a transdisciplinary approach to understanding interaction between the biological and physical world and human institutions. Students will understand essential biological and physical processes, analyze human/environment interactions, understand different cultural perspectives on the environment, build critical thinking skills as the basis for decision making and sound value judgements, gain specialized analytical skills in at least one area of environmental science, build teamwork, leadership, conflict resolution skills, and develop effective communication skills.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Environmental Science — 60 Units Minimum

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)	
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
MATH 30	Analytic Geometry and Calculus I	(P)	5
PHYS 21	College Physics I	(P)	4
PHYS 22	College Physics II	(P)	4

Environmental Policy 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)	
ECON 35	Introduction to Environmental Economics		3
MATH 20	Trigonometry	(P)	3
MATH 26	College Algebra	(P)	4
MATH 18	Introduction to Statistics	(P)	3

Geography

Transfer
AA-T Degree in Geography

Geography Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Trolinger, Chair (530) 895-2301

About the Program

The Associate in Arts in Geography for Transfer degree (AA-T Geography) creates a transfer pathway for students who plan to complete a four-year degree at a California State University. Upon completion of the AA-T degree in Geography students will possess the requisite foundational knowledge as well as the practical skills necessary for subsequent completion of the baccalaureate degree.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Geography — 60 Units Minimum

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

Geology

Transfer
AS-T Degree in Geology

Geology Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Michael Panunto, Chair (530) 895-2229

About the Program

The Associate in Science in Geology for Transfer degree (AS-T Geology) is intended for students who plan to complete a bachelor's degree in Geology at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS-T Degree in Geology — 60 Units Minimum

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:

GEOL 32	Physical Geology with Lab		4
GEOL 34	Historical Geology with Lab		4
CHEM 1	General Chemistry I	(P)	5
CHEM 2	General Chemistry II	(P)	5
MATH 30	Analytic Geometry and Calculus I	(P)	5
MATH 31	Analytic Geometry and Calculus II	(P)	4

Graphic Design

Transfer
AA Degree in Graphic Design

Graphic Design Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS 224, (530) 895-2404
Daniel Donnelly, Chair (530) 895-2880

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Graphic Design — 60 Units Minimum

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 4	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

History

Transfer
AA-T Degree in History

History Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Trolinger, Chair (530) 895-2301

About the Program

The Associate in Arts in History for Transfer is intended for students who plan to complete a bachelor's degree in History or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in History — 60 Units Minimum

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		
HIST 6	Modern World History	3

Journalism

Transfer
AA-T Degree in Journalism

Journalism Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Cristina Dahl, Chair (530) 895-2278

About the Program

The Associate in Arts in Journalism for Transfer is intended for students who plan to complete a bachelor's degree in Journalism at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Journalism — 60 Units Minimum

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 1	Introduction to Communication Studies		3
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

Transfer
AA Degree in General Physical Education
AA-T Degree in Kinesiology

Kinesiology Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: WLR 102, (530) 895-2521
Randy Maday, Chair (530) 895-2478

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AA-T Degree in Kinesiology
The Associate in Arts in Kinesiology for Transfer degree (AA-T in Kinesiology) creates a transfer pathway for students who plan to complete a Bachelor in Arts in Kinesiology at a California State University. 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.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in General Physical Education — 60 Units Minimum

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**
Students must complete core courses plus one CSU, Chico option			
BIOL 20	Human Anatomy		4
BIOL 21	Human Physiology	(P)	4
Take 10 units from at least 5 groups:			10
Aquatics			
KIN 54	Aquatics (1.5)		
KIN 55	Lifeguard Training (1)		
Individual			
KIN 57	Archery (1.5)		
KIN 58	Badminton (1.5)		
KIN 60	Bowling (1.5)		
KIN 61	Golf (1.5)		
KIN 62	Tennis (1.5)		
KIN 63	Track and Field (1.5)		
Team Sports			
KIN 64	Baseball (1.5)		
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)		
Dance			
KIN 38	Ballroom Dance I (1.5)		
KIN 39	Ballroom Dance II (1.5)		
KIN 40	Jazz Dance (1.5)		
Self Defense			
KIN 73	Self Defense (1.5)		
KIN 74	Boxing (1.5)		
KIN 75	Jujitsu (1.5)		
KIN 77	Karate (1.5)		
KIN 78	Taekwondo (1.5)		
Weight Training			
KIN 23	Weight Training I (1.5)		
KIN 24	Weight Training II (1.5)		
KIN 25	Olympic Weightlifting (1.5)		
KIN 28	Plyometric Training (1.5)		
KIN 29	Body Sculpting (1.5)		
KIN 31	Quickfits (1.5)		
Physical Education Teacher Education Option at CSU, Chico			
CMST 2	Public Speaking (3)		
or CMST 4	Small Group Communication (3)		
POS 2	United States Government (3)		

AA-T Degree in Kinesiology — 60 Units Minimum

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
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
List A: Select two			
MATH 18	Introduction to Statistics	(P)	3
BIOL 2	Introduction to Human Biology		3
PHYS 41	Physics for Scientists and Engineers I	(P)	4
KIN 11	First Aid and CPR		3

Language Arts

Transfer
AA Degree in Language Arts

Language Arts Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Cristina Dahl, Chair (530) 895-2278

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Language Arts — 60 Units Minimum

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:			**18 Units**
Choose 6 units from:			6
ENGL 2	Reading and Composition (3)	(P)	
ENGL 4	Introduction to Literature (3)	(P)	
CMST 2	Public Speaking (3)		
CMST 4	Small Group Communication (3)		
Choose 12 units from:			12
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)	
LATN 3	Third Semester Latin (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)	
SIGN 1	American Sign Language 1 (3)		
SIGN 2	American Sign Language II (3)	(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)	
SPAN 14	Hispanic Short Stories (3)	(P)	
SPAN 16	Hispanic Film (3)	(P)	
CMST 2	Public Speaking (3)		
CMST 4	Small Group Communication (3)		
CMST 6	Oral Interpretation (3)		
CMST 9	Intercultural Communication (3)		
CMST 12	Forensics (Speech and Debate) (3)		
CMST 14	Argumentation and Debate (3)	(P)	

Liberal Studies

Transfer
AA Degree in Liberal Studies

Liberal Studies Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Liberal Studies — 60 Units Minimum

Student Learning Outcomes

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

- Describe the concepts and issues related to teaching diverse learners in today's contemporary schools, Transitional Kindergarten (TK) and Kindergarten through grade 12 (K-12).
- Describe the ways in which arts, literature, philosophy, history or language reflect historical, intellectual and cultural contexts, as well as aesthetic values.
- Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
- Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies.

Required courses for the major: — 42 Units

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

Liberal Studies: Bilingual Pattern

All of the above plus the following:

MCS 36	The Chicano American (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)	

Mathematics

Transfer
AS Degree in Mathematics
AS-T Degree in Mathematics

Mathematics Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 895-2451
Juliet Hauser, Chair (530) 879-4300

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AS-T Degree in Mathematics
The Associate in Science in Mathematics for Transfer degree (AS-T in Mathematics) is intended for students who plan to complete a bachelor's degree in Mathematics at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Mathematics — 60 Units Minimum

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

AS-T Degree in Mathematics — 60 Units Minimum

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

Music

Transfer
AA-T Degree in Music

Music Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS-224, (530) 895-2404
Daniel Donnelly, Chair (530) 895-2880

About the Program

The Associate in Arts in Music for Transfer degree (AA-T in Music) creates a transfer pathway for students who plan to complete a Bachelor of Arts in Music at a California State University. With the completion of the Associate in Arts in Music for Transfer degree (AA-T in Music), students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Music. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Music — 60 Units Minimum

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
or			
MUS 40	Piano I		1
MUS 41	Piano II	(P)	1
MUS 42	Piano III	(P)	1
MUS 43	Piano IV	(P)	1

Nutrition and Food Sciences

Transfer
AS Degree in Nutrition and Food Sciences

Nutrition and Food Sciences Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: AHPS 251, (530) 895-2542
Brenda Stagner, Chair (530) 895-2923

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Comparable Nutrition and Food Sciences programs are also available at CSU, Fresno, Long Beach, Los Angeles, Northridge, Cal Poly Pomona, Sacramento and San Francisco.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Nutrition and Food Sciences — 60 Units Minimum

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.
- General Dietetics Option: Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in Psychology.
- Food Administration Option: Identify and apply core concepts of Financial Accounting, Managerial Accounting and Microeconomics.
- Apply academic skills needed for success in Nutrition and Food Sciences after transfer.

Required courses for the major:			24 - 32 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
MATH 18	Introduction to Statistics	(P)	3
General Dietetics Option at CSU, Chico			
PSY 1	Principles of Psychology		3
Food Administration Option at CSU, Chico			
ACCT 2	Financial Accounting		4
ACCT 4	Managerial Accounting	(P)	4
ECON 4	Principles of Microeconomics	(P)	3

Physical Science

Transfer
AS Degree in Physical Science

Physical Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Michael Panunto, Chair (530) 895-2229

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Physical Science — 60 Units Minimum

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

Geoscience: 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)	
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)	
or 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
BIOL 1	Introduction to Biology		4
or BIOL 13	Cell and Molecular Biology (5)	(P)	

Physics

Transfer
AS Degree in Physics
AS-T Degree in Physics

Physics Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 879-6106
Michael Panunto, Chair (530) 895-2229

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

AS-T Degree in Physics
The Associate in Science in Physics for Transfer degree (AS-T in Physics) is intended for students who plan to complete a bachelor's degree in Physics at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Physics — 60 Units Minimum

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**

CHEM 1	General Chemistry I	(P)	5
CHEM 2	General Chemistry II	(P)	5
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
PHYS 41	Physics for Scientists and Engineers I	(P)	4
PHYS 42	Physics for Scientists and Engineers II	(P)	4
PHYS 43	Physics for Scientists and Engineers III	(P)	4

AS-T Degree in Physics — 60 Units Minimum

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:

PHYS 41	Physics for Scientists and Engineers I	(P)	4
PHYS 42	Physics for Scientists and Engineers II	(P)	4
PHYS 43	Physics for Scientists and Engineers III	(P)	4
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

Political Science

Transfer
AA-T Degree in Political Science

Political Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Trolinger, Chair (530) 895-2301

About the Program

The Associate in Arts in Political Science for Transfer Degree creates a transfer pathway for students who plan to complete a Bachelor of Arts in Political Science at a California State University. With the completion of the AA-T in Political Science, students will possess foundational knowledge as well as the practical skills necessary for subsequent completion of the baccalaureate.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Political Science — 60 Units Minimum

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 14	Politics of Third World Nations		3
POS 16	Vital Political Problems		3
HIST 20	Political History of the Middle East		3

Psychology

Transfer
AA-T Degree in Psychology

Psychology Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Wood, Chair (530) 895-2232

About the Program

The Associate in Arts in Psychology for Transfer degree creates a transfer pathway for students who plan to complete a Bachelor of Arts in Psychology at a California State University. With the completion of this program, students will possess foundational knowledge and skills that comprise the core content of the first two years of many baccalaureate programs in Psychology.

The Associate in Arts in Psychology for Transfer is intended for students who plan to complete a bachelor's degree in Psychology or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Psychology — 60 Units Minimum

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		4
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			
PSY 15	Lifespan Psychology		3
List C: Select one			
Any Course from List A or B not already used			
PSY 6	Abnormal Psychology		3
PSY 41	Socio-Cultural Context of Psychological Development		3

Social and Behavioral Science

Transfer
AA Degree in Social and Behavioral Science

Social and Behavioral Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471

About the Program

The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in Social and Behavioral Science — 60 Units Minimum

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

18 units chosen from:

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 7	Report Writing for Law Enforcement Officers	2
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
AJLE 1	Crisis Intervention Training	2
ANTH 4	Cultural Anthropology	3
ANTH 13	Magic, Witchcraft and Religion	3
ANTH 14	Language and Culture	3
ANTH 16	Archaeology 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
CDF 12	Child, Family, and Community	3
CDF 14	Child Growth and Development	3
CDF 57	Teaching in a Diverse Society	3
ECON 2	Principles of Macroeconomics (P)	3
ECON 4	Principles of Microeconomics (P)	3
ECON 20	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 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 20	Political History of the Middle East	3
HIST 26	Roles of Men and Women in American History	3
HIST 30	History of the African American	3
MCS 32	The African American	3
MCS 36	The Chicano American	3
MCS 38	The Asian American	3
PHIL 2	Introduction to Philosophy	3
PHIL 5	Environmental Ethics	3
PHIL 6	Introduction To Logic	3
PHIL 8	Methods of Argument (P)	3
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
POS 14	Politics of Third World Nations	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

Sociology

Transfer
AA-T Degree in Sociology

Sociology Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Wood, Chair (530) 895-2232

About the Program

The Associate in Arts in Sociology for Transfer degree (AA-T in Sociology) is intended for students who plan to complete a bachelor's degree in Sociology at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Sociology — 60 Units Minimum

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

Required Core:			
SOC 2	Principles of Sociology		3
SOC 4	Modern Social Problems		3
MATH 18	Introduction to Statistics	(P)	3
List A: Select two			
SOC 8	Introduction to Marriage, Family and Intimate Relationships		3
SOC 14	Sociology of Gender		3
SOC 20	Introduction to Race and Ethnicity		3
SOC 10	Introduction to Crime and Society		3
List B: Select one			
Any course from List A not already used			
SOC 5	Our Sustainable Future		3

Theatre Arts

Transfer
AA-T Degree in Theatre Arts

Theatre Arts Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS-224, (530) 895-2994
Dave Cooper, Chair (530) 895-2559

About the Program

The Associate in Arts in Theatre Arts for Transfer is intended for students who plan to complete a bachelor's degree in Theatre Arts or similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA-T Degree in Theatre Arts — 60 Units Minimum

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

Required Core:			
DRAM 2	Theatre Arts Appreciation		3
DRAM 8	Principles of Acting I		3
DRAM 11	Youth Outreach Theatre		3
or DRAM 12	Rehearsal & Performance (3)	(C)	
or DRAM 14	Theatre Production Workshop (3)		
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)	
or DRAM 14	Theatre Production Workshop (3)		

University Studies

Transfer

AA Degree in University Studies: Business
AA Degree in University Studies: Diversity Studies
AA Degree in University Studies: Humanities
AA Degree in University Studies: Social Science

University Studies Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: SAS 134, (530) 895-2378
For information, see a counselor

About the Program

The Associate of Arts Degree, University Studies, is a Transfer Degree program designed for students who wish a broad knowledge of liberal arts and sciences with a focused Area of Emphasis that will prepare them for a specific major at a four-year college or university. The Business Emphasis includes courses in Business related disciplines such as Business Management, Operations or Organizational Management, International Business, Human Relations and Managing for Sustainability. The Diversitiy Studies Emphasis includes the study of gender, women's issues, multiculturalism and gender/sexuality diversity. The Humanities Emphasis integrates the study of art, music, theatre, English and literature, world civilizations and philosophy. The Social Science Emphasis integrates the study of culture, economics, human development, social and political institutions, history, geography, sociology and psychology. Completion of this program may also serve the same purposes as CSU, Chico for other CSU institutions. Students are advised to consult a counselor.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AA Degree in University Studies: Business — 60 Units Minimum

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**

Complete a minimum of 60 units of CSU transferable coursework with a "C" grade or better, including:

1) CSU General Education Areas A-E;

2) one U.S. Diversity course (marked with one asterisk) or one Global Cultures course (marked with two asterisks);

3) one Category 1 U.S. History course;

4) one Category 2 Government course.

For a complete list of courses that apply to major requirements 1-4, refer to the CSU General Education sections of this catalog

Students are also required to complete 18 units from the courses listed below:

AGS 10	World Food and Hunger Issues		3
ANTH 4	Cultural Anthropology		3
CMST 9	Intercultural Communication		3
ECON 2	Principles of Macroeconomics	(P)	3
ECON 4	Principles of Microeconomics	(P)	3
ECON 20	Economic History of the U.S.		3
ECON 25	Introduction to Economics		3
GEOG 5	Economic Geography		3
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	(P)	3
MATH 13	Survey of Calculus	(P)	4
MATH 18	Introduction to Statistics	(P)	3
NR 26	Environmental World		3
PHIL 5	Environmental Ethics		3
POS 3	Comparative Politics		3
POS 14	Politics of Third World Nations		3
POS 18	International Relations		3
POS 92	Exploring Leadership		3
PSC 10	Introduction to Environmental Science		4
SOC 5	Our Sustainable Future		3

AA Degree in University Studies: Diversity Studies — 60 Units Minimum

Student Learning Outcomes

Upon successful completion of this program, 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.

Required courses for the major: — **18 Units**

Complete a minimum of 60 units of CSU transferable coursework with a "C" grade or better, including:

1) CSU General Education Areas A-E;

2) one U.S. Diversity course (marked with one asterisk) or one Global Cultures course (marked with two asterisks);

3) one Category 1 U.S. History course;

4) one Category 2 Government course.

For a complete list of courses that apply to major requirements 1-4, refer to the CSU General Education sections of this catalog

Students are also required to complete 18 units from the courses listed below:

ANTH 13	Magic, Witchcraft and Religion	3
ANTH 14	Language and Culture	3
ANTH 16	Archaeology 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
CMST 9	Intercultural Communication	3
CMST 13	Gender and Communication	3
GEOG 4	Cultural Geography	3
GEOG 5	Economic Geography	3
GEOG 8	World Regional Geography	3
HIST 3	World History to 1500	3
HIST 5	World History since 1500	3
HIST 18	Multicultural History of the United States	3
HIST 20	Political History of the Middle East	3
HIST 30	History of the African American	3
MCS 32	The African American	3
MCS 36	The Chicano American	3
MCS 38	The Asian American	3
PHIL 16	Western Religions	3
PHIL 18	Eastern Religions	3
PHIL 58	Teaching About Religion	3
POS 2	United States Government	3
POS 3	Comparative Politics	3
POS 16	Vital Political Problems	3
POS 18	International Relations	3
PSY 16	Psychology of Women	3
PSY 34	Eastern Psychology: Traditions and Practices	3
PSY 41	Socio-Cultural Context of Psychological Development	3
SOC 4	Modern Social Problems	3
SOC 14	Sociology of Gender	3
SOC 30	Sociology of Inequality	3

AA Degree in University Studies: Humanities

60 Units Minimum

Student Learning Outcomes

Upon successful completion of this program, 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.

Required courses for the major: **18 Units**

Complete a minimum of 60 units of CSU transferable coursework with a "C" grade or better, including:

1) CSU General Education Areas A-E;

2) one U.S. Diversity course (marked with one asterisk) or one Global Cultures course (marked with two asterisks);

3) one Category 1 U.S. History course;

4) one Category 2 Government course.

For a complete list of courses that apply to major requirements 1-4, refer to the CSU General Education sections of this catalog

Students are also required to complete 18 units from the courses listed below:

ART 1	Art Appreciation	3
ART 2	Art History Survey I	3
ART 3	Asian Art History Survey	3
ART 4	Art History Survey II	3
ART 6	African, Oceanic, and Native American Art History Survey	3
DRAM 2	Theatre Arts Appreciation	3
DRAM 8	Principles of Acting I	3
MUS 1	Music Appreciation	3
MUS 5	American Popular Music	3
MUS 7	Jazz Appreciation	3
MUS 9	World Music	3
MUS 10	Music Theory I (C)	3
MUS 12	Music Theory II (P/C)	3
ENGL 2	Reading and Composition (P)	3
ENGL 4	Introduction to Literature (P)	3
ENGL 6	Creative Writing	3
ENGL 8	British Literature I (P)	3
ENGL 10	British Literature II (P)	3
ENGL 14	U.S. Literature I (P)	3
ENGL 15	Film as Literature	3
ENGL 16	U.S. Literature II (P)	3
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
HIST 3	World History to 1500	3
HIST 5	World History since 1500	3
HIST 6	Modern World History	3
HUM 17	Comparative European Studies	3
HUM 22	Greco-Roman Cultures	3
PHIL 2	Introduction to Philosophy	3
PHIL 16	Western Religions	3
PHIL 18	Eastern Religions	3
PHIL 58	Teaching About Religion	3

AA Degree in University Studies: Social Science

60 Units Minimum

Student Learning Outcomes

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

- Identify major theoretical orientations in the social 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**

Complete a minimum of 60 units of CSU transferable coursework with a "C" grade or better, including:

1) CSU General Education Areas A-E;

2) one U.S. Diversity course (marked with one asterisk) or one Global Cultures course (marked with two asterisks);

3) one Category 1 U.S. History course;

4) one Category 2 Government course.

For a complete list of courses that apply to major requirements 1-4, refer to the CSU General Education sections of this catalog

Students are also required to complete 18 units from the courses listed below:

AGS 10	World Food and Hunger Issues	3
AJ 1	Criminology	3
ANTH 4	Cultural Anthropology	3
ANTH 13	Magic, Witchcraft and Religion	3
ANTH 14	Language and Culture	3
ANTH 16	Archaeology 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
ART 6	African, Oceanic, and Native American Art History Survey		3
CDF 14	Child Growth and Development		3
CHEM 1	General Chemistry I	(P)	5
CHEM 51	Elementary Inorganic Chemistry	(P)	5
CMST 9	Intercultural Communication		3
CMST 13	Gender and Communication		3
ECON 2	Principles of Macroeconomics	(P)	3
ECON 4	Principles of Microeconomics	(P)	3
ECON 20	Economic History of the U.S.		3
ECON 25	Introduction to Economics		3
ECON 35	Introduction to Environmental Economics		3
FN 2	Nutrition		3
GEOG 2	Physical Geography		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 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 20	Political History of the Middle East		3
HIST 30	History of the African American		3
LM 40	Life Management		3
MCS 32	The African American		3
MCS 36	The Chicano American		3
MCS 38	The Asian American		3
PHIL 5	Environmental Ethics		3
PHIL 18	Eastern Religions		3
POS 2	United States Government		3
POS 3	Comparative Politics		3
POS 12	California State and Local Government		3
POS 14	Politics of Third World Nations		3
POS 16	Vital Political Problems		3
POS 18	International Relations		3
POS 92	Exploring Leadership		3
PSY 1	Principles of Psychology		3
PSY 11	Peace Psychology		3
PSY 16	Psychology of Women		3
PSY 20	Personal and Social Growth and Wellness		3
PSY 34	Eastern Psychology: Traditions and Practices		3
PSY 41	Socio-Cultural Context of Psychological Development		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

Other Programs

Certificates

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A degree, Certificate of Achievement, or Certificate with a program goal of "other" is used to develop degree majors or areas of emphasis that meet community needs and reflect the educational philosophy of the faculty in a discipline or disciplines.

Required documentation can be in the form of survey results, letters of support from community agencies, or other regional data in support of the need. This goal is also an appropriate choice for programs that are transferable only to a single university campus, because proposals for transfer programs required to prove articulation with three university campuses.

May have a broad area of emphasis or theme-based area or emphasis that consists of an interdisciplinary grouping of courses. The required courses may not align with requirements for transfer, but nevertheless represent a cohesive packaging of courses. If the area of emphasis is designed to prepare students for transfer, all of the required courses must be transferable and must prepare students for a designated field of study at a baccalaureate institution.

Ceramics

AA Degree in Ceramics
Certificate of Achievement in Ceramics

Ceramics Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS 224, (530) 895-2404
Dave Cooper, Chair (530) 895-2259

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.

Career Opportunities

Many job opportunities exist for the individual proficient in ceramics. These include, but are not limited to: artist, art teacher or therapist, self-employed craft-person, mold maker, glaze technician, ceramic restorer, industrial ceramist, gallery or art shop manager, museum employee, interior design specialist, tile decorator, dental ceramist, and production designer. Students interested in pursuing a four-year degree are provided with a strong foundation for further coursework.

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

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

AA Degree in Ceramics — 60 Units Minimum

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 4	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

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:

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 70	Gallery Production/Business of Art		2
ART 99	Work Experience-ART	(P)	1

English as a Second Language

Noncredit Certificate of Competency in ESL
Noncredit Certificate of Completion in VESL

English as a Second Language Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Lisa Kekaha, Chair (530) 895-2333

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.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Noncredit Certificate of Competency in ESL — 0 Units

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	(P)

Complete one of the courses listed below:

ESL 310	Survival/Life Skills for ESL Students	
ESL 311	ESL Level 1	(P)
ESL 312	ESL Level 2	(P)

Noncredit Certificate of Completion in VESL — 0 Units

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 ()

Honors

Certificate of Achievement in Honors

Honors Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 320, (530) 895-2581
Suzanne Wakim, Chair (530) 879-4319

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.

The Honors Program Certificate officially recognizes students who successfully complete 19 interdisciplinary units from among the specially designated Honors courses within Butte College curriculum. Recognition, acknowledged on the successful student's official record and transcripts, indicates a seriousness, dedication, and greater potential for success.

Admission to the Program

Enthusiastic students who would welcome the challenge of often difficult readings and invigorating discussions with fellow students and faculty are encouraged to contact the Coordinator of the Honors Program, Suzanne Wakim, Chair (530) 879-4319 or wakimsu@butte.edu, for further information and application materials.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate of Achievement in Honors — 19 Units

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): 19

ANTH 2H	Honors Physical Anthropology (3)	(P)
ANTH 4H	Honors Cultural Anthropology (3)	(P)
ART 2H	Honors Art History Survey I (3)	(P)
ART 4H	Honors Art History Survey II (3)	(P)
BIOL 9H	Honors Current Issues in Biology (3)	(P)
CMST 2H	Honors Public Speaking (3)	(P)
ECON 20H	Honors Economic History of the U.S. (3)	(P)
ENGL 52H	Honors Great Works of Literature (3)	(P)
ENGL 53H	Honors World Literature (3)	(P)
HON 11	Honors Capstone (1)	(P)
PSC 30H	Honors Introductory Astronomy (4)	(P)

Leadership and Civic Engagement

Certificate in Leadership and Civic Engagement

Leadership and Civic Engagement Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: Student Activities Department, (530) 895-2427
Kelly Munson, Advisor (530) 895-2945

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.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate in Leadership and Civic Engagement

13 Units

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 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)	

Occupational and Life Skills

Noncredit Certificate of Completion in Occupational and Life Skills

Occupational and Life Skills Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: Office of Contract Education, (530) 895-9015
Julie Nuzum, Advisor (530) 343-7994

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 588 hour certificate program requires successful completion of 8 courses in the OLS sequence.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Noncredit Certificate of Completion in Occupational and Life Skills

0 Units

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 323	Occupational and Academic Assessment	
OLS 324	Workplace Communication	(P)
OLS 325	Literacy for Career Building	(P)
OLS 326	Mathematics within Industry	(P)
OLS 327	Career Exploration	(P)
OLS 328	Strategies for Employment	(P)
OLS 329	Occupational Certification Workshop	(P)
OLS 330	Experiential Vocational Training	(P)

Peace and Global Studies

Certificate of Achievement in Peace and Global Studies
Certificate in Peace and Global Studies

Peace and Global Studies Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Christine Wood, Chair (530) 895-2232

About the Program

The Certificate of Achievement in Peace and Global Studies provides students with a broad global knowledge and appreciation for the complexity of human diversity and conflict. The selected courses will enhance knowledge of global issues, systems of thought, language and art, and will provide practical skills toward living more peacefully, cooperatively, and dynamically in the world. By recognizing the challenges and conflicts existent within the global family, students will also explore opportunities toward building a world of peace personally and interpersonally, and thus, become effective global citizens.

Career Opportunities

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.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate of Achievement in Peace and Global Studies — 28 - 29 Units

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)
SIGN 1	American Sign Language 1 (3)	
SIGN 2	American Sign Language II (3)	(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: 3

HIST 6	Modern World History (3)
ANTH 18	World Cultures (3)

Select 1 course from the following: 3

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

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

Sustainability Studies

Certificate in Sustainability Studies

Sustainability Studies Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: LRC 304, (530) 895-2471
Mimi Riley, Advisor (530) 895-2497

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 facilitiate innovative, durable, and sustainable pathways for social and personal change, economic security and prosperity, and environmental restoration.

Career Opportunities

Students who complete the Sustainability Studies Certificate program will be well preparared to make sound career and lifestyle choices that support and promote a satisfying and sustainable world for all living beings - now and into the indefinite future. The Certificate in Sustainability Studies will increase the marketability of students who go directly into the workforce, and will enrich the knowledge set of students who continue their education in sustainability related fields at the university level and beyond.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate in Sustainability Studies — 17 Units

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.
- Recognize the fundamental impacts of humans, including commerce and attitudes, on the earth's systems.
- Evaluate the interdependencies and long-term thinking necessary to grow the world economy while also protecting environmental resources.
- Utilize critical thinking to develop a point of view regarding the problems and potential solutions for providing adequate yields of nutrient dense food and potable water for a growing global population, both in developing and developed countries.
- Discuss and write about the ways in which fields such as environmental ethics, ecology, sociology, technology and others interconnect in Sustainability Studies.
- Develop ideas to create common ground and promote the principles of sustainability to diverse groups of people.
- Develop a knowledge base to enable them to choose lifestyles and careers that will promote sustainable principles.

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)		

Theatre

Certificate in Theatre Arts

Theatre Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: ARTS-224, (530) 895-2994
Dave Cooper, Chair (530) 895-2259

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.

Career Opportunities

The Certificate in Theatre Arts equips students with a multitude of skills applicable to many careers, not just those in the performing arts. The students earning a Certificate in Theatre Arts are prepared for a a host of job opportunities within and beyond the performing arts, including but not limited to: Actor, Director, Technician, Sales Representative, Customer Service Representative, Stage Crew, Carpenter, House Manager, Amusement Park Entertainer, Model, Tour Guide and Voice-Over Performer.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Certificate in Theatre Arts — 15 Units

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:

DRAM 2	Theatre Arts Appreciation		3
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 (1.5)		
DRAM 19	Choreography for Performance (2)	(C)	

Butte College Course Descriptions

Announcement of College Courses

Within the enrollment capacity of each class, every person, otherwise eligible, shall be allowed to enroll in and attend any class wherever offered throughout the district. Where the phrase “permission of instructor” or "or equivalent" is shown as a course prerequisite, it is meant that the instructor has the only authority to evaluate whether a student’s previous education and/or experience is equivalent to the academic prerequisite for the course. Courses listed in the Catalog refer to those courses that the college intends to offer during the course of the academic year. However, students should be advised that not every course listed is offered every term. Some courses will be offered in the evening only.

Transfer of Courses

As part of the announcement of courses section of this Catalog, the transfer status of all 1-99 level courses appropriate for the baccalaureate degree is indicated as follows:

CSU: Transfers to campuses of the California State University system

UC: Transfers to campuses of the University of California system.

NT: Nontransferable course.

Course articulation is subject to change. Students should contact the Counseling Center prior to enrollment each semester to verify the current transfer status of courses.

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.

Prerequisites, Corequisites, and Recommended Prep

Most courses offered through Butte College have some type of prerequisite or recommended preparation. These are used to establish a student’s readiness for the content to be covered within a course. Prerequisites and recommended preparation include previously completed college coursework or achievement of a specified skill level established from an assessment test. For more information, call the Assessment Office at (530) 895-2350.

Prerequisites

There are three types of prerequisites at Butte College:

1. Courses that require a previously completed course as the prerequisite (e.g., French I for French II). These are indicated in the *Semester Class Schedule* with an asterisk (*) symbol. The course descriptions contained within this Catalog and a counselor can provide more information on this type of prerequisite.
2. Reading, English, math and ESL courses require either satisfactory completion (grades of “C” or better) of the prerequisite course or qualifying eligibility established from an assessment test. The assessment test has a five year time limit; after that, course eligibility drops back by one level. These courses are indicated in the class schedule with a (^) symbol. To use prerequisite courses or test scores from other colleges, contact the Assessment Office for an evaluation; allow three days for the evaluation to be completed. For more information, see the section on Assessment/Placement below, and on page 13.
3. A number of courses in other disciplines have prerequisites that are enforced at the time of registration. Contact the Assessment Office at (530) 895-2350 or go to our website at **www.butte.edu/assessment** for more information about how to meet these prerequisites.

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.

Recommended Preparation

Most courses have specified basic skill placement levels as “recommended preparation.” (Shown as *Recommended Prep* in the course description.) The faculty have established recommended placement levels for their courses to inform students of the basic skills (i.e., reading, writing and math skills) needed to perform satisfactorily, that is, to receive grades of "C" or higher. The placement levels for most courses are: Reading IV, English III, with Math II for certain courses; some courses have higher levels. Levels are established by performance on the Basic Skills Assessment or completion of college reading, English, and math courses. Recommended preparation is advisory.

Challenge to Prerequisites and Corequisites

Students may challenge a prerequisite or corequisite for a course. 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. 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. The following is a list of the grounds under which a challenge may be pursued.

1. The student has the knowledge or ability to succeed in the course despite not meeting the prerequisite. Documentation is required.
2. The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or corequisite course has not been made reasonably available. An Educational Plan must be on file.
3. The prerequisite or corequisite is not valid because it is not necessary for success in the course for which it is required. Documentation is required.
4. The prerequisite or corequisite is unlawfully discriminatory or is being applied in an unlawfully discriminatory manner. Documentation is required.

Reading, Math, and English Placement Levels

Students establish reading, English, and math placement levels and course eligibilities by their performance on the Basic 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. Assessment scores used to establish eligibility for enrollment into reading, English, ESL, and math classes are valid for five years. If the time limit is exceeded, the course eligibility will be dropped back by one level; however, the placement levels will remain the highest attained. For other ways to establish placement levels and course eligibility, please see the Assessment exemption section on page 13 of this Catalog. For more information on specific placement level requirements, please see the information at the beginning of the Reading, English, ESL, and Mathematics course descriptions.

Reading Course Descriptions

Course descriptions contain information that aids students in planning their education at Butte College. Courses listed in the Catalog represent all the courses which may be offered, but the College does not offer every course each semester. To find out the course offerings by semester, refer to the online Semester Class Schedule prior to the beginning of registration for each academic session.

A Sample Description

BIOL 20 - Human Anatomy 4 Unit(s)
Prerequisite(s): BIOL 1 , BIOL 2 or High School Biology
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab
This course covers the structure and function of cells, tissues, organs and organ systems in the human body. The laboratory materials will include a human cadaver, other preserved mammalian specimens, skeletons and human anatomical models.

Line-by-Line Explanation

BIOL 20 - Human Anatomy 4 units
This course covers the structure and function of cells, tissues, organs and organ systems in the human body. The laboratory materials will include a human cadaver, other preserved mammalian specimens, skeletons and human anatomical models.

Prerequisites: BIOL 1, BIOL 2 or High School Biology
The "Prerequisite" line indicates course requirements that must be met prior to enrollment. A prerequisite is usually a specific course which must be completed before attempting this course. Many prerequisites are checked at the time students register. For more information on the different types of prerequisites see page 175.

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.

Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Most courses have specified basic skill placement levels as recommended preparation ("Recommended Prep" in the course description). The placement levels for most courses are: Reading IV and English III. Some courses have higher or lower levels and certain courses include math levels as recommended preparation. Placement levels are established by performance on the Basic Skills Assessment or completion of reading, English and math courses. Recommended preparation is advisory. In some cases, a specific course may be recommended for completion before this course is attempted.

Transfer Status: CSU/UC 51 hrs lecture/51 hrs lab
This line indicates if a course will transfer to CSU or UC. At the end of this line the number and type of hours the course requires are shown. Hours can be lecture (51 hours lec) or lab (51 hours lab). The number (51) indicates total semester hours.

.....The study of the structure of the cells, tissue, organs and organ systems of the human body. The laboratory materials will include a human cadaver, other preserved mammalian materials, and human models and skeletons.....
A brief description of the course is offered.

Other Descriptive Course Statements

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.

Course Repetitions
"Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times."
This indicates that a course may be taken four times for credit. The first time, plus three repeats.

Specific Semester Offering
"Offered Fall (Spring) Semester only."
Some courses are offered during one semester only. When planning their educational program with a counselor, students are advised to pay attention to course offerings which may occur only once each academic year.

Special Admissions and Policy Statements
Special admissions procedures are required for some classes which are part of certain vocational programs. Allied Health programs fall into this category. Foreign language classes carry a policy statement about placement levels. Reading the statements directly under the discipline headings will help clarify the registration procedure for these classes.

Instructional Material Fees for Some Courses
Material fees may be authorized for some courses. Amounts vary. Check the Semester Class Schedule or with the appropriate instructor. For further information regarding instructional material fees please see page 17.

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 cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (C-ID ACCT 120).

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)
Recommended Prep: Reading Level IV; English Level III; Math Level IV
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 See page 241

ACCT 99 - Work Experience-ACCT See page 243

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 34 hours Lecture/17 hours Lab
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 68 hours Lecture
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 51 hours Lecture
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 25.5 hours Lecture/25.5 hours Lab
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.

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).

AJ 3 - Legal Research 2 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU 34 hours Lecture
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 51 hours Lecture
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 51 hours Lecture
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 34 hours Lecture
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 51 hours Lecture
This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (C-ID AJ 140). Graded only.

AJ 10 - Juvenile Procedures 3 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU 51 hours Lecture
This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focuses on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. (C-ID AJ 220). Graded only.

AJ 11 - Criminal Procedure 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU 51 hours Lecture
This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents. (C-ID AJ 122). Graded only.

AJ 13 - Organized Crime/Gangs 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
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 14 - Community Oriented Policing 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict. Emphasis is placed on the challenges and prospects of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in culture, religion, and law.

AJ 97 - Special Problems-AJ See page 241

AJ 99 - Work Experience-AJ See page 243

Administration of Justice-Law Enforcement (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 140
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 140 - Law Enforcement Academy 34.5 Unit(s)
Prerequisite(s): (See Catalog for Program Admission Criteria)
Co-requisite(s): AJLE 100
Transfer Status: NT 457 hours Lecture/384 hours Lab
This 23-week course prepares the student for a career as a peace officer under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains ranging from academic subjects on criminal law, investigation and patrol procedures to psychomotor skills on defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to be employed as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after one year of approved field service at a law enforcement agency. Graded only.

AJLE 141 - Law Enforcement Academy; Fish and Game Emphasis 50 Unit(s)
Prerequisite(s): (See Catalog for Program Admission Criteria)
Transfer Status: NT 676 hours Lecture/540 hours Lab
This 30-week course prepares the student for a career as a peace officer with an emphasis on the Department of Fish and Game (DFG), under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers 42 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 142 - Supplemental Law Enforcement Academy; Fish and Game Emphasis 14.5 Unit(s)
Prerequisite(s): Must be employed with a law enforcement agency and have already successfully completed the P.O.S.T. Regular Basic Course and possess a Basic Law Enforcement Certificate from P.O.S.T.
Transfer Status: NT 210 hours Lecture/111 hours Lab
This 8-week course prepares the student for a career as a peace officer with the Department of Fish and Game (DFG). The curriculum includes a review of academic subjects on criminal law, investigation and patrol procedures to psychomotor skills on defensive tactics, firearms training, driving skills and officer-violator contacts. Primary focus will be on topics directly related to the operation of the Department of Fish and Game, Law Enforcement Division and performing the typical duties of a game warden. Graded only.

AJLE 150 - Level I Module Academy Preparation Review 1.25 Unit(s)
Prerequisite(s): (See Catalog for Program Admission Criteria)
Transfer Status: NT 16 hours Lecture/16 hours Lab
This 32-hour course prepares students who have completed Module III and Module II of the California Commission on Peace Officer Standards and Training (P.O.S.T.) Regular Basic Academy Course to participate in the Butte College Module I Academy Course. Pass/No Pass only.

AJLE 151A - PC 832 Arrest Module 2 Unit(s)
Transfer Status: NT 28 hours Lecture/12 hours Lab
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 8 hours Lecture/16 hours Lab
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.

AJLE 153 - Level I Module Academy 17.5 Unit(s)
Prerequisite(s): Must pass AJLE 150 within 30 days of starting AJLE 153
Transfer Status: NT 221 hours Lecture/231 hours Lab
This 28-week course is the third in a series of courses designed to prepare 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 Level I Module Academy is the final phase of training for individuals wishing to become California peace officers. As a result, only those who have previously completed Level II and Level III module training will be eligible to attend this course. Butte College does not currently offer the Level II and Level III module courses. The curriculum covers 27 learning domains ranging from academic subjects on criminal law, investigation and patrol procedures to psycho-motor 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 164 - POST Dispatcher Course 6.5 Unit(s)
Transfer Status: NT 104 hours Lecture/16 hours Lab
Becoming a public safety dispatcher means choosing dispatching not only as a career, but as a ethnical commitment to maintain public trust. Public safety dispatchers must understand their role and responsibilities, understand the operation of the communications center, and act with a high degree of professionalism and ethics. This course will cover the communication process of dispatching, criminal justice system, laws and the California Penal Codes, communication technology operations, resource referral services, and wellness management. This course meets the minimum requirements for certification by the California Commission on Peace Officer Standards and Training. Pass/No Pass only.

Agriculture (AGR)

AGR 99 - Work Experience-AGR See page 243

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 III
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, telecommunications, an introduction to web page design and other software appropriate to agribusiness. Application of these concepts and methods through hands-on projects developing computer-based solutions for agriculture business. (C-ID AG-AB 108).

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.

Agricultural Engineering Technology (AET)

AET 22 - Natural Resources and Agri-Construction 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 42.5 hours Lecture/25.5 hours Lab
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 51 hours Lecture
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 34 hours Lecture/204 hours Lab
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 51 hours Lecture/51 hours Lab
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 17 hours Lecture/51 hours Lab
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.

AET 44 - Grade Setting 2 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level III
Transfer Status: CSU 17 hours Lecture/51 hours Lab
This course will cover reading site plans, interpreting grade stakes, and setting grades to ensure that earth-moving work meets specifications, using both manual and Global Positioning Systems (GPS) methods.

Agriculture Science (AGS)

AGS 10 - World Food and Hunger Issues 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 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 medica, 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 See page 241

AGS 104B - Organic Farming Techniques 1 Unit(s)
Transfer Status: NT 7 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.

Allied Health (ALH)

ALH 99 - Work Experience-ALH See page 243

ALH 104 - Medical Terminology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: NT 51 hours Lecture
This course explores the specialized language used within the medical profession. Emphasis is placed on the definition, pronunciation and spelling of medical terms with focus on building medical words using prefixes, word roots, suffixes and combining forms. To further advance a working knowledge of these terms, vocabulary is taught in relation to the basic anatomy, physiology and pathology of body systems.

Anthropology (ANTH)

ANTH 2 - Physical Anthropology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC 51 hours Lecture
This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as foundation of the course. (C-ID ANTH 110).

ANTH 2H - Honors Physical Anthropology 3 Unit(s)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Recommended Prep: Math Level III
Transfer Status: CSU/UC 51 hours Lecture
This course is an honors level survey of the foundations of human evolution and variation as viewed through the lens of physical anthropology. Emphasis is placed on reading primary and secondary source literature and critical analysis of data presented through the literature. The theory of evolution as related to questions of human evolution and variation, including the development of human physical, social, and mental characteristics is the primary focus. Graded only.

ANTH 4 - Cultural Anthropology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. (C-ID ANTH 120).

ANTH 4H - Honors Cultural Anthropology 3 Unit(s)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
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 ethnology) are discussed as important aspects of the study of belief systems cross-culturally. Moreover, various theoretical models are employed to inform

the study of beliefs and practices associated with both nonwestern and western societies. An integrated view of religion is taken to demonstrate how belief in supernatural forces reflects other cultural patterns of behavior and thinking. For example, religion is integrated with such areas of basic human concern as subsistence practices, social organization, and culture changes that arise in contact situations.

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 anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. (C-ID ANTH 150).

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/comparative linguistics and world language systems, phonology, language morphology, syntax, semantics, language in social context(s), discourse analysis, theoretical orientations, literacy process, and applied linguistics. Content for this course will be derived from the work of scholars around the world, including the distinctive contributions of women linguists with a focus on gender and language.

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 identify issues as these reflect changes in sociocultural dynamics for Native American populations, from roughly the 1890s through to the present. In addition, the course will focus on legal strategies and actual responses taken by various activist Native American groups as a function of cultural adaptation to Euroamerican westward expansion and subsequent domination of North America.

ANTH 95 - Special Studies-ANTH See page 241

Art (ART)

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.

Ceramics: ART 50, 52, 54, 56
Drawing: ART 8, 11, 14, 15, 16
Painting: ART 17, 18, 19
Printmaking: ART 22, 23
Sculpture: ART 60, 63
Visual Art Fundamentals: ART 7, 9
Weaving: ART 81

ART 1 - Art Appreciation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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: English Level IV Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Transfer Status: CSU/UC 51 hours Lecture
This is an Honors level Survey of the major visual arts of the Ancient World through the Middle Ages. Through a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, students will examine the arts of painting, sculpture, and architecture within their historical and cultural contexts. Graded only.

ART 3 - Asian Art History Survey 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 51 hours Lecture
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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Transfer Status: CSU/UC 51 hours Lecture
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. Graded only.

ART 5 - Survey of Modern Art 3 Unit(s)
Recommended Prep: ENGL 2 Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 51 hours Lecture
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 34 hours Lecture/51 hours Lab
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 25.5 hours Lecture/76.5 hours Lab
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 25.5 hours Lecture/76.5 hours Lab
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 11 - Intermediate Drawing 3 Unit(s)
Prerequisite(s): ART 8
Transfer Status: CSU/UC 25.5 hours Lecture/76.5 hours Lab
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 14 - Basic Figure Drawing 3 Unit(s)
Recommended Prep: ART 8
Transfer Status: CSU/UC 25.5 hours Lecture/76.5 hours Lab
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 15 - Intermediate Figure Drawing 3 Unit(s)
Prerequisite(s): ART 14
Transfer Status: CSU/UC 25.5 hours Lecture/76.5 hours Lab
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 16 - Advanced Figure Drawing 3 Unit(s)
Prerequisite(s): ART 15
Transfer Status: CSU/UC 25.5 hours Lecture/76.5 hours Lab
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.

ART 70 - Gallery Production/Business of Art 2 Unit(s)
Transfer Status: CSU 25.5 hours Lecture/25.5 hours Lab
This course will deal with the various aspects of operating an educationally directed art gallery including scheduling, lighting, publicity, security, budget, receptions, show themes and reviews. The Butte College Coyote Gallery will function as the class laboratory, and approximately two to three shows will be organized and installed each semester. (Annual student show in Spring semester). In addition, students will learn the business of art in order to be able to successfully compete in the professional market place.

ART 81 - Introduction to Fiber Arts 3 Unit(s)
Transfer Status: CSU 25.5 hours Lecture/76.5 hours Lab
This course is an introduction to basic materials, methods and vocabulary used in fiber and textile media as well as the hands-on development of expressive visual ideas. Contemporary and historical development and cultural relevance of the fiber media is also explored. (C-ID ARTS 282).

ART 95 - Special Studies-ART See page 241

ART 99 - Work Experience-ART See page 243

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 21
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 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)
Recommended Prep: AUT 1
Transfer Status: CSU 68 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 42 - Advanced Specialized Automotive Electronics and Microcomputers 5.5 Unit(s)

Prerequisite(s): AUT 41
Recommended Prep: AUT 1
Transfer Status: CSU 68 hours Lecture/76.5 hours Lab

This course is a continuation of AUT 41 and in this course the student will build upon fundamentals of electricity gained in AUT 41 to develop logical, strategy-based diagnostic routines. These routines will be used to diagnose electrical faults found in Hybrid, PZEV (Partial Zero Emissions Vehicle), gasoline, diesel and alternative fuel vehicles. The manufacturer-specific scan tools will be emphasized along with the advanced diagnostic routines needed to correct circuit anomalies such as shorts, opens, and parasitic draws. Multiplex systems will be discussed including their analog and digital inputs and outputs. This course will provide the student with the knowledge and understanding of manufacture specific electrical systems found in modern vehicles.

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 automotive 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 in automotive manual transmissions/transaxles, drive lines and axles. Shop practice includes diagnostics, testing, and repairing of each system.

AUT 57 - Manual Transmissions/Drivetrains Lab 2 Unit(s)

Prerequisite(s): AUT 41 (or concurrent enrollment)
Co-requisite(s): AUT 56
Recommended Prep: AUT 1
Transfer Status: CSU 105 hours Lab

This course provides theory and principles of operation in manual transmissions and transaxles, front and rear axles, drive lines and transfer cases. Shop practice includes diagnostics, testing, and repairing of each system.

AUT 60 - Hybrid and Alternative Fuel Technologies 4 Unit(s)

Recommended Prep: AUT 41
Transfer Status: CSU 34 hours Lecture/102 hours Lab

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 97 - Special Problems-AUT See page 241

AUT 99 - Work Experience-AUT See page 243

AUT 114 - Auto Body Repair 3 Unit(s)

Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: NT 25.5 hours Lecture/76.5 hours Lab

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 25.5 hours Lecture/76.5 hours Lab

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)
Recommended Prep: AUT 1
Transfer Status: NT 25.5 - 51 hours Lab

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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. 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)
Recommended Prep: AUT 1
Transfer Status: NT 25.5 - 51 hours Lab

This course is a supervised lab experience designed to update and enhance technical skills in one or more of the following areas: Electrical, Computer/Emission Controls, Drivability and Transmissions/Drive Trains. Instruction will be a combination of laboratory demonstrations and skills practice. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

Biology (BIOL)

BIOL 1 - Introduction to Biology 4 Unit(s)

Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab

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 51 hours Lecture

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 51 hours Lecture/51 hours Lab
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 II
Transfer Status: CSU/UC 51 hours Lecture
This course will introduce students to the structure of earth's ecosystems and to environmental issues, past and present from a biological science perspective. Students will be able to perceive and interpret the relative health of environmental systems, and to connect this to the role of humans in sustaining life on earth. To reach this understanding, students will read classic environmental literature as well as current environmental literature. The course will include discussions, field trips and guest speakers as well as student involvement in a campus or local environmental effort. During this course students will be encouraged to recognize that their lives are dependent upon the environment, and that their personal decisions affect the entire natural world. 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 51 hours Lecture
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 10 - Survey of Human Systems 4 Unit(s)

Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU 51 hours Lecture/51 hours Lab
This course is intended for students in programs such as Emergency Medical Services and Health Information Management. Topics include fundamentals of the structure and function of the human body from an organ system perspective: Key concepts and basic principles of the chemistry of life, cells and tissues, cell physiology, structural organization and physiological principles in organ systems, system integration, and homeostasis in health and disease. (Not intended for Nursing students).

BIOL 9H - Honors Current Issues in Biology 3 Unit(s)

Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Recommended Prep: Math Level IV
Transfer Status: CSU/UC 51 hours Lecture
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.

BIOL 11 - Zoology 5 Unit(s)

Prerequisite(s): Math Level V
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course is intended for majors, and includes a survey of animal phyla and non-photosynthetic, single-celled, eukaryotic taxa. It covers the comparative structure, function, and life cycles of animals, as well as principles of evolution, taxonomy, and systematics. Topics include development, morphology and physiology, phylogeny, and behavior of animals, as well as principles of evolution, mechanisms of evolutionary change, and speciation. (C-ID BIOL 150).

BIOL 12 - Botany 5 Unit(s)

Prerequisite(s): Math Level V
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course is intended for majors and covers comparative diversity, structure, and function of plant, fungal, and protistan phyla. Topics include development, morphology and physiology, taxonomy and systematics. Principles of population and community ecology and ecosystem interactions are emphasized. (C-ID BIOL 155).

BIOL 13 - Cell and Molecular Biology 5 Unit(s)

Prerequisite(s): CHEM 1 and Math Level V
Recommended Prep: BIOL 11 or BIOL 12 and Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course is an introductory study of procaryotic and eucaryotic cell structure and function as well as basic viral structure and reproduction. Attention is given to life processes within cells and to interactions between cells. Coverage includes experimental design and statistical analysis; basic biotechnology concepts and techniques; DNA structure, function and gene expression; enzyme function; energetics; nutrient cycles in ecosystems; transport mechanisms; cytoskeletal components; cell communication (including nerve impulse conduction and signal transduction); cell reproduction; Mendelian and population genetics; cell evolution; and modern concepts of molecular biology. This course is designed for biology majors. Offered Spring only. (C-ID BIOL 190).

BIOL 15 - Introduction to Microbiology 5 Unit(s)

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
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course includes the study of the structure and function of viruses, bacteria, fungi and protozoa, with emphasis on the predominant pathogenic members of those groups. Study of basic organic chemistry, genetics, metabolism, microbe-host interactions, the immune response and etiological factors involved in disease are also included. Methods of detection, identification, isolation, culture, enumeration, and control of microbes are provided. Consideration is also given to applied and environmental microbiology, as well as biotechnology techniques. Graded only.

BIOL 20 - Human Anatomy 4 Unit(s)

Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab
Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. (C-ID BIOL 110B).

BIOL 21 - Human Physiology 4 Unit(s)

Prerequisite(s): BIOL 20 and CHEM 110, or CHEM 1, or CHEM 51
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab
Study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors. (C-ID BIOL 120B).

BIOL 30 - Anatomical Preparations 1.5 Unit(s)
Prerequisite(s): BIOL 20
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU 17 hours Lecture/25.5 hours Lab
In this course students dissect a human cadaver and prepare anatomical specimens for use in Butte College Human Anatomy classes. Students will learn proper dissection techniques and pertinent details of the human form needed to complete quality dissection work.

BIOL 95 - Special Studies-BIOL See page 241

BIOL 99 - Work Experience-BIOL See page 243

Business (BUS)

BUS 8 - Legal Environment of Business 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC 51 hours Lecture
This course covers fundamental legal principles pertaining to business transactions and affecting managerial decisions. It introduces the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. (C-ID BUS 120).

BUS 18 - Database Design 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU 51 hours Lecture/51 hours Lab
This course is a study of fundamental database design principles and techniques, including data modeling with Entity-Relationship Diagrams (ERD) and the normalization process. Topics include the relational data model, managing data using Structured Query Language (SQL), database management system (DBMS) architecture and operation, and database security mechanisms. Students will apply core concepts and techniques to practical business scenarios.

BUS 20 - Introduction to Business 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II
Transfer Status: CSU/UC 51 hours Lecture
This course is survey of business, providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. Students will learn about how this business context (including issues such as ethics and sustainability) influences the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. (C-ID BUS 110).

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 rewards associated with starting and operating a small business. The course explores how to identify small business opportunities; the factors influencing entrepreneurial success; and financing, marketing, managing, record-keeping and computer applications to support small business operations. Each student will identify a business opportunity, then create a detailed business plan.

BUS 26 - Steps to Starting a Small Business 1 Unit(s)
Transfer Status: CSU 17 hours Lecture
This course provides students with an overview of the actual process of starting a new business, acquiring an existing business, or purchasing a franchise. Beginning with the prospective entrepreneur's business idea, the course introduces students to the basic considerations and tasks necessary prior to "opening day."

BUS 27 - Introduction to Marketing 1 Unit(s)
Recommended Prep: BUS 26
Transfer Status: CSU 17 hours Lecture
This course introduces the basic principles and practices of business marketing. Following a discussion of what marketing entails, students learn to conduct marketing research, understand consumer behavior, develop a competitive advantage and select target markets. The emphasis is on devising appropriate strategies and tactics relating to the "4 Ps" of marketing: Product, Price, Promotion and Place.

BUS 28 - Planning and Financing the Small Business 1 Unit(s)
Recommended Prep: BUS 27
Transfer Status: CSU 17 hours Lecture
This course introduces basic issues relating to planning and financing (and managing the risks associated with owning) a small business. Topics will include legal planning, risk management (including insurance planning), tax planning, and financial analysis and planning. Students will complete a detailed business plan, the basis for attracting both debt and equity capital for a new venture.

BUS 29 - Supervising Employees 1 Unit(s)
Transfer Status: CSU 17 hours Lecture
This course helps students (both supervisors and prospective supervisors) 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 strategies.

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 facilitating individual and organizational success. This course emphasizes concepts and assessment relating to individual factors (such as personality, attitudes, values, learning style) and to how employees throughout organizations interact with one another (such as communication, leadership styles, conflict resolution approaches). The course enables both managers/supervisors and those not currently in leadership roles to better understand work dynamics and devise appropriate strategies to enhance human relations and organizational 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 focuses on three of the fundamental management functions: planning, organizing 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 Human Resource Management (HRM) issues for today's companies: changing government and legal requirements; new information systems; downsizing; demands for a more skilled workforce; increasing attention to and appreciation for diversity; the global workforce and intensifying global competition; and changing cultural and economic factors.

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, advantages and benefits; overcome buyers' objections; and close the sale. Students will participate (as buyers, sellers and critical observers) 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 target audience, research markets, select the most effective advertising mediums, select media outlets, estimate the campaign budget and draft advertising copy. The advertising campaign project builds an understanding of traditional and digital advertising, writing radio or podcast copy, and storyboarding for television or digital advertising.

BUS 62 - Personal Finance 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU 51 hours Lecture
This course is an introduction to personal finance which integrates practical financial decision making with the social, psychological, and physiological contexts in which decisions are made. Students will examine their relationships with money, set personal goals, and develop a plan to meet those goals. Topics include consumerism, debt, healthcare, investing, 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 marketing. It focuses on conducting opportunity analysis, assessing consumer behavior, engaging in marketing research, and target marketing as the basis for devising marketing objectives and plans. Students will develop and assess marketing strategies to meet the needs of target markets (both consumer and business-to-business (B2B)), using the "4 Ps": product, promotion, price and place (distribution). The emphasis is on ethical, needs-satisfaction, relationship marketing in today's global, technology-infused, competitive environment.

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.

BUS 68 - Business on the Internet 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This course introduces students to web marketing tools, strategies, application and measurement. It examines benefits and challenges associated with web marketing technologies including web site development, search engine optimization, online advertising, social media, email campaigns, blog marketing, digital public relations, multimedia and mobile marketing. Students will learn how to create a web marketing strategy and then apply web marketing technologies in a measurable way to achieve business objectives.

BUS 97 - Special Problems-BUS See page 241

BUS 99 - Work Experience-BUS See page 243

Business Computer Information Systems (BCIS)

BCIS 12 - Business Writing Skills 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
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 51 hours Lecture
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 42.5 hours Lecture/25.5 hours Lab
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 - Electronic Calculator (Ten-Key) 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 2.5 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 34 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 and Reading Level IV; English Level III
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 62 - Introduction to Medical Coding 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II and ALH 104
Transfer Status: CSU 51 hours Lecture
This course introduces students to procedural and diagnostic coding used in physicians' offices. 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. Students will gain familiarity with Current Procedural Terminology (CPT), International Classification of Diseases--9th Revision; Clinical Modification (ICD-9CM); and ICD-10CM code books; guidelines to be followed; and required supporting documents.

BCIS 63 - Introduction to Medical Billing 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level II and ALH 104 and BCIS 62
Transfer Status: CSU 51 hours Lecture
This course introduces students to the billing techniques used in medical outpatient facilities. The focus of the course will be on the accurate preparation and maintenance of clinical records and medical documentation. Students analyze private insurance plans, Medicare, Medi-Cal, and Worker's Compensation, as well as properly complete the Centers for Medicare and Medicaid Services (CMS) 1500 claim form used in medical outpatient facilities. Topics include working with specific insurance companies, filing clean (error-free) claims, submitting denied claims, utilizing effective collection strategy, and handling the appeal process.

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 75 - Medical Front Office Procedures 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III and ALH 104
Transfer Status: CSU 51 hours Lecture
This course introduces students to the unique concepts and skills necessary for successful employment in a medical office setting. Emphasis is placed on representing the office as the initial patient/public contact, managing the day-to-day responsibilities, handling patient records, and communicating clearly and concisely. Discussion is centered around the skills needed to perform effectively, efficiently, professionally, and ethically in a healthcare setting.

BCIS 76 - Managing Electronic Health Records 3 Unit(s)
Prerequisite(s): BCIS 63 and BCIS 75
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This advanced-level course introduces students to electronic health records (EHRs) and their place in a physician's office. 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).

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.

BCIS 84 - Basics of Computers 1 Unit(s)
Recommended Prep: Ability to key 20 wpm
Transfer Status: CSU 12.5 hours Lecture/12.5 hours Lab
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 34 hours Lecture/51 hours Lab
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 17 hours Lecture/51 hours Lab
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 97 - Special Problems-BCIS See page 241

BCIS 99 - Work Experience-BCIS See page 243

Career Life Planning (CLP)

CLP 30 - Career Life Planning 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This course is a comprehensive career life planning course with a focus on self-exploration, career exploration, decision making and goal setting, job search strategies, and understanding the world of work in our global economy. Through self assessment students will learn about their interests, personality styles, values, transferrable skills, natural talents and strengths, lifestyle, learning styles, communication styles, and career fitness.

CLP 300 - Career Development 0 Unit(s)
Transfer Status: NT 30 hours Lecture
This course facilitates individual career growth. Topics include career planning theories, work motivation, self-assessment, career-success skills, career research, workforce preparation and readiness, and employment opportunities. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times. Open Entry/Open Exit. Ungraded.

CLP 334 - Workforce Readiness Strategies 0 Unit(s)
Transfer Status: NT 48 hours Lecture
This course will help students develop attitudes, behaviors, and professional skills that contribute to personal success in work and life. Topics may include strategies that positively impact self-management and self-motivation, including self-assessments, workforce readiness skills, analyzing workplace skills, and personal wellness. Topics may include analyzing workplace skills and skill sets; identifying and seeking job opportunities that match current skills sets; writing an introductory cover letter; constructing a resume and master application; interviewing and keeping a job. Since skills/proficiencies are enhanced by supervised repetition and practice, this course may be repeated three times. Ungraded.

Chemistry (CHEM)

CHEM 1 - General Chemistry I 5 Unit(s)
Prerequisite(s): CHEM 110 or one year of high school chemistry; Math Level V
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course introduces students to the basic principles of chemistry with a quantitative emphasis. Topics include atomic theory, chemical bonding, molecular geometry, chemical reactions, stoichiometry, gases, thermochemistry, intermolecular forces and solutions. This is the first semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering. The two-semester sequence of CHEM 1 and CHEM 2 provides the basic chemical background needed for further investigations into our physical environment. (C-ID CHEM 110/120S). Graded only.

CHEM 2 - General Chemistry II 5 Unit(s)
Prerequisite(s): CHEM 1
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This course is a continuation of CHEM 1, General Chemistry I. Topics include chemical kinetics and equilibrium, acid-base and solubility equilibria, thermodynamics, oxidation-reduction, electrochemistry, coordination compounds, nuclear chemistry, introduction to organic chemistry and qualitative analysis. This is the second semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering. The two-semester sequence of CHEM 1 and CHEM 2 provides the basic chemical background needed for further investigations into our physical environment. (C-ID CHEM 120S) (C-ID CHEM 120S = CHEM 1 & CHEM 2). Graded only.

CHEM 21 - Organic Chemistry I 5 Unit(s)
Prerequisite(s): CHEM 2
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
This is the first course in a year-long study of organic chemistry designed for students majoring in chemistry and related science disciplines. It covers fundamental principles of organic chemistry including structure, nomenclature, conformational analysis and stereochemistry. The physical properties, reactions and reaction mechanisms of alkanes, alkyl halides, alcohols, ethers, alkenes, alkynes, and allylic systems are studied. Infrared spectroscopy and Nuclear Magnetic Resonance (NMR) spectroscopy are discussed in detail. (C-ID CHEM 150 & 160S). Graded only.

CHEM 22 - Organic Chemistry II 5 Unit(s)
Prerequisite(s): CHEM 21
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
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 108 or Math Level IV
Recommended Prep: CHEM 110 or High School Chemistry and Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture/102 hours Lab
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 51 hours Lecture/51 hours Lab
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.

CHEM 95 - Special Studies-CHEM See page 241

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.

Child Development and Family Relations (CDF)

CDF 12 - Child, Family, and Community 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course is an examination of 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 V; 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 V; 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 V; English Level V; 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 34 - The School-Age Child 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
This course focuses on the development of school-age children (six to twelve years). Physical, cognitive, language, social and emotional development are explored. Family involvement in education is stressed as a key component in the process of development and socialization. Emphasis is placed on the assessment of research and strategies that support the development of the school-age child.

CDF 36 - 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 role of adults in school-age children's socialization and development inside and outside of the classroom. Building from a foundation of theory, students will identify the increasing role schools and communities play in providing support to children and their families. Career options and requirements and the roles of the professional working with school-age children will be examined. Standards and strategies necessary to develop and sustain high-quality school-age activities and programs will be stressed.

CDF 40 - Observation and Assessment 3 Unit(s)

Prerequisite(s): CDF 14
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 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 V; 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 V; 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 55 - ECE Second Language Learners 3 Unit(s)

Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
This course provides early childhood educators knowledge about the developmental pathways taken by young second-language learners, the teacher's role in the classroom, and using appropriate intervention techniques.

CDF 56 - Prenatal, Infant, and Toddler Development 3 Unit(s)

Recommended Prep: Reading Level V; 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 51 hours Lecture
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 51 hours Lecture
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 61 - Music for Early Childhood 3 Unit(s)

Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
This course provides the student with the knowledge, methods, skills, and opportunities to develop, implement and evaluate developmentally appropriate, inclusive musical activities for a diverse population of young children. Activities and experiences will include the development of musical games and materials for use with children in the home and/or school environment. A musical background is not necessary.

CDF 62 - Creative Art Activities for Children 3 Unit(s)

Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
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 42.5 hours Lecture/25.5 hours Lab
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 51 hours Lecture
Applies current theory and research to 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 66 - Literature and Language Arts Curriculum for Children 3 Unit(s)

Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU 51 hours Lecture
This course provides students with skills in preparing, implementing, and evaluating literature and language arts curriculum for young children. Techniques of reading aloud to children as well as storytelling and preparation of curricular materials are included. Emphasis is placed on the acquisition and development of language in the young child.

CDF 67 - Math and Science Curriculum for Young Children 3 Unit(s)

Recommended Prep: Reading Level V; English Level IV; Math Level Intro
Transfer Status: CSU 51 hours Lecture
This course surveys the philosophy, principles, and implementation of math as well as natural and physical science experiences for young children. Focused on theory of child development, this course emphasizes the process of observation, assessment and curriculum development related to math and science for early childhood programs.

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 34 hours Lecture/51 hours Lab
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 51 hours Lecture
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
Transfer Status: CSU 51 hours Lecture
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 II
Transfer Status: CSU 51 hours Lecture
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 97 - Special Problems-CDF See page 241

CDF 99 - Work Experience-CDF See page 243

CDF 131 - ECE Mentor Teacher Seminar 0.5 Unit(s)

Recommended Prep: Reading Level V; English Level IV
Transfer Status: NT 8.5 hours Lecture
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 8.5 hours Lecture
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.

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 1 - Introduction to Communication 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 discipline of communication studies with emphasis on multiple issues relevant to the systematic inquiry and pursuit of knowledge about human communication. It explores the basic history, assumptions, principles, processes, variables, methods, and specializations of human communication as an academic field of study. (C-ID COMM 180).

CMST 2 - Public Speaking 3 Unit(s)

Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
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 non-verbal messages in the initiation, development, maintenance, and termination of interpersonal relationships. (C-ID COMM 130).

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 See page 241

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 34 hours Lecture/51 hours Lab
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 3 - Introduction to Computer Science 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
In this course, students develop knowledge and skills of the fundamentals of Computer Science. Topics covered include number systems, computer hardware and software, computer networks, introductory programming and algorithms, file systems and databases, artificial intelligence and the theory of computation. Hardware overview covers computer memory, the control unit and Arithmetic Logic Unit (ALU), and computer Input/Output (I/O). Software overview covers operating systems, programming languages, applications, and software tools.

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 42.5 hours Lecture/25.5 hours Lab
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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 42.5 hours Lecture/25.5 hours Lab
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 25 - Linux 1, Essentials 3 Unit(s)

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 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.

CSCI 26 - Linux 2, System Administration 3 Unit(s)

Prerequisite(s): CSCI 25
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 how to perform basic administration of a multiuser Linux system. Topics include the selection of distributions, file and package management, user and group administration, the boot process and service initialization, and intermediate shell skills. Students will install, configure, and administer users, hardware, and software on a modern Linux distribution.

CSCI 31 - Web Development I 3 Unit(s)

Prerequisite(s): CSCI 4 (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 Level 3 (CSS3), JavaScript, and jQuery. Students will learn to design and build standards-compliant front-end/client-side web applications using HTML5, CSS3, JavaScript, and jQuery.

CSCI 32 - Web Development II 3 Unit(s)

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 48 - Network Fundamentals and Cisco Level 1 4 Unit(s)

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+ 4 Unit(s)

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 3 Unit(s)

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 3 Unit(s)

Prerequisite(s): CSCI 53
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 third of three 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, wireless concepts and configuration, WAN fundamentals and protocols, Internet Protocol (IP) addressing services, network security, Access Control Lists (ACLs), and troubleshooting.

CSCI 65 - Microsoft SQL Database Administration 3 Unit(s)
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 3 Unit(s)
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 3 Unit(s)
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 MCSA 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 See page 241

CSCI 99 - Work Experience-CSCI See page 243

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 are and the safe, hygienic practice of Cosmetology procedures. Additionally, students will continue developing skills in human relations, customer satisfaction and the professional attitudes that are vital to success in the beauty industry.

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.

COS 104 - Cosmetology IV 5 Unit(s)
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 5 Unit(s)

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 5 Unit(s)

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 Barbering Crossover 5 Unit(s)

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 10 Unit(s)

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) 16 Unit(s)

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. Books and materials are to be purchased from Chico Beauty College, cost subject to change.

COS 110 - Instructor Training 15 Unit(s)

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 5 Unit(s)

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, make-up, skin and nail care, customer service and professionalism. In addition, students will refresh their skills in human relations, customer satisfaction and professional attitudes that are vital to success in the beauty industry. Upon successful completion of this course and verification of completion of Cosmetology 100-106 or the equivalent, the student will be eligible to take the state board examination and become a California state licensed Cosmetologist.

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 95 - Special Studies-CSL See page 241

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 freehand sketching and a solid modeling application. Topics include sketching and modeling using extrudes, sweeps, and lofts. Additional topics include assemblies development and detail drawing output. Graphics standards including American National Standards Institute (ANSI) Y14.5 and international standards application will be introduced and practiced.

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 both freehand sketching and AutoCAD, an industry-standard computer-aided drafting (CAD) application. It is intended for drafting majors, engineering majors, interior design majors and pre-architectural students. Topics include line and geometric shape development, freehand sketching, basic AutoCAD commands, text commands, file management, orthographic and pictorial projection, dimensioning, sectioning, auxiliaries, and architectural drawings using sketching and a two-dimensional (2D) drafting application. Document reproduction, printing and plotting will be introduced and practiced.

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 51 hours Lecture
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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
In this computer-based course students will be introduced to the latest in three-dimensional (3D) modeling for architecture and Building Information Modeling (BIM). Topics will cover architectural modeling and design with BIM tools for parametric design and documentation. The focus of the course is on residential architecture and covers the initiation of a design, the development of a design and production of a presentation and sheet set for a design.

DFT 46 - Building Information Modeling II - Advanced Applications 3 Unit(s)
Prerequisite(s): DFT 45
Transfer Status: CSU 34 hours Lecture/51 hours Lab
In this computer-based Building Information Modeling (BIM) course, students who have already completed the learning objectives of DFT-45 Building Information Modeling I will be introduced to advanced techniques and concepts of BIM for architectural design applications. Topics will include design options, phasing of design, work sets, site, area analysis, creating in-place and advanced families, massing, and rendering. Students will complete a large scale project with activities spanning the entire course including project phases, project management, material costing and extensive modeling in 3D.

DFT 97 - Special Problems-DFT See page 241

DFT 99 - Work Experience-DFT See page 243

Drama (DRAM)

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.

Children's Theatre: DRAM 4
Musical Theatre: DRAM 10, 18, 19
Theatre Performance: DRAM 11, 12, 100

DRAM 2 - Theatre Arts Appreciation 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course discusses elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions. (Acting is not required). (C-ID THTR 111).

DRAM 4 - Creative Drama and Theatre for Children 3 Unit(s)
Recommended Prep: DRAM 12 and Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This course will introduce students to the principles of play selection and/or creative drama as applied to the specialized area of child development majors, elementary, middle, and high school environments. Focus will be given to the practical use of drama as an artistic expression, as a statement of values, and as an instructional strategy. The creative dramatics aspect of the course covers methods of developing creativity and dramatic instincts in children. This course is recommended for future pre-k, elementary, middle, and high school teachers, and recreation specialists.

DRAM 8 - Principles of Acting I 3 Unit(s)
Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU/UC 51 hours Lecture
This course prepares a student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text. (C-ID THTR 151).

DRAM 9 - Principles of Acting II 3 Unit(s)
Prerequisite(s): DRAM 8
Transfer Status: CSU/UC 51 hours Lecture
This course follows DRAM 8 and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes. (C-ID THTR 152).

DRAM 10 - Rehearsal and Performance for Musical Theatre 3 Unit(s)
Co-requisite(s): DRAM 19
Limitation on Enrollment: Selected by audition
Transfer Status: CSU 153 hours Lab
This course provides instruction and supervised participation in musical theatre rehearsal and performance. Students enrolled in this course will be formed into a company to present a musical production. Each student will participate in a theatrical production in the style of theatre generally termed American Musical Comedy.

DRAM 11 - Youth Outreach Theatre 3 Unit(s)
Limitation on Enrollment: Selected by audition
Transfer Status: CSU/UC 153 hours Lab
This course provides instruction and supervised participation in theatre rehearsal and performance that will be performed to K-12 level students. (C-ID THTR 191).

DRAM 12 - Rehearsal & Performance 3 Unit(s)
Co-requisite(s): Enrollment in one or more additional drama courses.
Limitation on Enrollment: Selected by audition
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)
Recommended Prep: FASH 9 and FASH 74
Transfer Status: CSU 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): MUS 30
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
Limitation on Enrollment: Selected by audition
Transfer Status: CSU/UC 17 hours Lecture/51 hours Lab
This course introduces students to dance styles and choreography used in theatrical performance. Students will learn appropriate warm-up, technique for dance, and strengthening exercises. Topics will include the rules of etiquette and basic terminology used in theatre and dance production.

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, makeup, properties, theatrical equipment, and construction techniques applicable to all formal theatrical applications. Information is applicable to all formal theatrical applications. Students will work on a series of projects which will culminate in participation as a member on one of the design teams, or as a crew member for a live theatre production. Crew relationships and job responsibilities will be learned and the working relationship between director, designers, artists, and crew members will be established and practiced. (C-ID THTR 172).

DRAM 22 - Introduction to Stage Lighting 3 Unit(s)
Transfer Status: CSU 34 hours Lecture/51 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 See page 241

DRAM 100 - Introduction to Professional Theatre 1 Unit(s)
Transfer Status: NT 8.5 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 Student Programs and Services (DSPS)

DSPS 204 - Fundamentals of Reading 3 Unit(s)
Limitation on Enrollment: Registered with DSPS or Permission of Instructor
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)
Limitation on Enrollment: Registered with DSPS or Permission of Instructor
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 210 - Adaptive Computer Lab 0.5 Unit(s)
Limitation on Enrollment: Registered with DSPS or Permission of Instructor
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 Level IV
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 Level IV
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).

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 51 hours Lecture
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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Transfer Status: CSU/UC 51 hours Lecture
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 51 hours Lecture
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; Math Level IV Algebra I strongly recommended
Transfer Status: CSU 51 hours Lecture
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 See page 241

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 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 See page 241

EDUC 99 - Work Experience-EDUC See page 243

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 17 hours Lecture
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 100-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; at-

tendance 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/proficiencies 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. Open Entry/Open Exit. Ungraded.

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, installation 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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
This course is an introduction to plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. (C-ID AG-EH 116L).

EH 72 - Landscape Business Management 3 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math 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 company, public/private park system, golf course and other 'Green Industry' operations. Emphasis will be placed on operational procedures of the business such as determining annual overhead, planning for recovery of that overhead, hiring and managing procedures of employees and determining 'true' profit. This course is also designed to encourage development of 'take-off' and bidding skills for the construction industry.

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, pressure requirements, pumping stations, points of connection and backflow prevention devices. The students will learn mathematic equations/calculations used for proper design and installation.

EH 99 - Work Experience-EH See page 243

Emergency Medical Services (EMS)

EMS 2 - Personal Safety and Health Education 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU 51 hours Lecture
This course investigates medical and trauma emergencies that occur within specific physical and social environments and provides the student with the knowledge and skills necessary to work as a first responder in an emergency. The course explores the relationship between illness, injury and personal behavior. Topics of discussion include sudden illness, trauma, environmental injuries, special populations, disease transmission, human behavior, health, stress, and death and dying. The course complies with the American Red Cross Emergency Response curriculum. The student may receive American Red Cross course completion certificates for Emergency Response and CPR for the Professional Rescuer.

EMS 97 - Special Problems-EMS See page 241

EMS 99 - Work Experience-EMS See page 243

EMS 110 - Emergency Medical Responder 4 Unit(s)
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 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 111 - Emergency Medical Technician 7 Unit(s)

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 21 Unit(s)

Prerequisite(s): Admission to the Paramedic Program
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. Graded only.

EMS 171 - Paramedic Clinical and Field Internship 15 Unit(s)

Prerequisite(s): EMS 170
Transfer Status: NT 720 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 6 Unit(s)

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 1 Unit(s)

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; English Level III; Math Level I
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 3 Unit(s)

Prerequisite(s): ENGL 118 or ENGL 119 or English Level IV
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: ENGL 2 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 or English Level IV
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course is an introductory survey to the seminal works, genres and eras of the development of literature in English in the British Isles, from the early Medieval to the Renaissance and 17th century, to conclude with the Augustan literature of the 18th century. It is designed for students seeking an introductory survey of British literature, its figures, and movements. Authors include Chaucer, Spenser, Milton, Shakespeare, Swift, and others. (C-ID ENGL 160). Graded only.

ENGL 10 - British Literature II 3 Unit(s)

Prerequisite(s): ENGL 118 or ENGL 119 or English Level IV
Recommended Prep: Reading Level IV
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 or English Level IV
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 multi-genre range of classic and contemporary films' textual contexts, students will improve their analytical skills, as well as gain a deeper understanding of the dynamics of the written word as the literary foundation of the cinema. Graded only.

ENGL 16 - U.S. Literature II — 3 Unit(s)
Prerequisite(s): ENGL 118 or ENGL 119 or English Level IV
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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
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)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
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 See page 241

ENGL 118 - Accelerated Composition Workshop, I and II 4 Unit(s)
Prerequisite(s): ENGL 217 or English Level II
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 or English Level III
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
This course prepares students for ENGL 217. Students will develop reading, writing and critical thinking at an introductory level. The focus will be on producing a variety of vocational and academic written texts, including paragraphs, short papers, business letters, summaries, and outlines. 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 or English Level I
Recommended Prep: Reading Level II
Transfer Status: NT 68 hours Lecture
This course prepares students for ENGL 219. Students will develop reading, writing and critical thinking skills at a basic level. The focus will be on producing a variety of vocational and academic written texts, including paragraphs, essays, summaries, reading responses, articles, letters, and quick writes. Students will also develop an understanding of the choices writers make in different writing situations. Pass/No Pass only.

ENGL 219 - Composition Workshop I 4 Unit(s)
Prerequisite(s): ENGL 217 or English Level II
Recommended Prep: Reading Level III
Transfer Status: NT 68 hours Lecture
This course prepares students for ENGL 119. Students will further develop basic composition, 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.

Engineering (ENGR)

ENGR 1 - Introduction to Engineering 2 Unit(s)
Recommended Prep: Reading Level III
Transfer Status: CSU/UC 34 hours Lecture
The course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession.

ENGR 3 - Plane Surveying I 3 Unit(s)
Prerequisite(s): MATH 20 or high school trigonometry
Transfer Status: CSU/UC 34 hours Lecture/51 hours Lab
The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and Global Positioning Systems (GPS). Extensive field work using tapes, levels, transits, theodolites, total stations, and GPS. (C-ID ENGR 180).

ENGR 4 - Plane Surveying II 3 Unit(s)
Prerequisite(s): ENGR 3
Transfer Status: CSU/UC 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 51 hours Lecture/51 hours Lab
An introduction to the analysis, construction and measurement of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for Direct Current (DC), analysis, transient, and sinusoidal steady-state Alternating Current (AC) conditions containing resistors, capacitors, inductors, dependent sources, operational amplifiers and /or switches. Elementary circuit design. Practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments. Construction and measurement of basic operational amplifier circuits. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. (C-ID ENGR 260/260L).

ENGR 45 - Materials Science 4 Unit(s)
Prerequisite(s): PHYS 41, CHEM 1
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab
This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. (C-ID ENGR 140).

ENGR 97 - Special Problems-ENGR See page 241

ENGR 99 - Work Experience-ENGR See page 243

English as a Second Language (ESL)

ESL 95 - Special Studies-ESL See page 241

ESL 230 - ESL Level 4-Academic 3 Unit(s)
Prerequisite(s): ESL 313 or qualifying eligibility from the ESL Assessment.
Transfer Status: NT 51 hours Lecture
This course provides non-native English speakers with the skills needed to improve and integrate a student's basic academic reading, writing, listening, and speaking. The course also introduces intermediate level grammar structures in context. Pass/No Pass only.

ESL 231 - ESL Level 5-Academic 3 Unit(s)
Prerequisite(s): ESL 230 or qualifying eligibility from the ESL Assessment.
Transfer Status: NT 51 hours Lecture
This course develops a non-native English speaking student's academic language skills including reading, writing, listening, and speaking skills. Vocabulary development and spelling are also addressed. Reading skills are expanded from the literal to the critical. More complex grammatical structures and writing beyond the sentence and paragraph level are also stressed. Pass/No Pass only.

ESL 232 - ESL Level 6-Academic 3 Unit(s)
Prerequisite(s): ESL 231 or qualifying eligibility from the ESL Assessment.
Transfer Status: NT 51 hours Lecture
This course provides non-native speakers of English with instruction and practice in writing, speaking, and reading skills at an advanced level. Strong emphasis is placed upon written communication, especially refining sentence structure and polishing the paragraph. Pass/No Pass only.

ESL 233 - ESL Listening/Speaking 1 2 Unit(s)
Prerequisite(s): ESL 313 or qualifying eligibility from the ESL Assessment.
Transfer Status: NT 34 hours Lecture
This course assists the non-native English speaking student in achieving effective personal communication. Self-improvement involving speech fundamentals and academic language is emphasized. Pass/No Pass only.

ESL 234 - ESL Listening/Speaking 2 2 Unit(s)
Prerequisite(s): ESL 233 or qualifying eligibility from the ESL Assessment
Transfer Status: NT 34 hours Lecture
This course provides the non-native English speaking student the strategies and structured opportunities to improve the oral communication necessary to succeed in academic settings. Emphasis is on effective and appropriate communication in many practical situations, as well as pronunciation and listening comprehension. Pass/No Pass only.

ESL 235 - ESL Listening/Speaking 3 2 Unit(s)
Prerequisite(s): ESL 234 or Qualifying eligibility from the ESL Assessment (Level IV)
Transfer Status: NT 34 hours Lecture
This course provides the advanced non-native English speaking student with the study and practice of oral skills needed to effectively communicate in the academic and real world. Practice in listening and speaking are emphasized. Pass/No Pass only.

ESL 252 - ESL Writing Workshop 3 Unit(s)
Prerequisite(s): Qualifying eligibility for ESL Level IV based on ESL assessment or ESL 313
Transfer Status: NT 51 hours Lecture
This course provides intermediate and advanced English Language Learners with various opportunities to develop their language skills. Reading, spelling, and vocabulary skills necessary for basic written self-expression will be included. Pass/No Pass only.

ESL 254 - ESL Reading Workshop 3 Unit(s)
Prerequisite(s): Qualifying eligibility for ESL Level IV based on ESL assessment or ESL 313
Transfer Status: NT 51 hours Lecture
This course emphasizes vocabulary building, including development of sight vocabulary, phonics instruction and structural analysis, and improving comprehension. Instruction will rely heavily on the student's existing knowledge of language and will stress the integration of skills into language as a whole. Pass/No Pass only.

ESL 256 - ESL Grammar & Usage Workshop 3 Unit(s)
Prerequisite(s): Qualifying eligibility for ESL Level IV based on ESL assessment or ESL 313
Transfer Status: NT 51 hours Lecture
This course improves students' ability to use Standard English grammar. Emphasis will be placed on increasing student understanding of various grammatical structures and sentence mechanics in preparation for academic reading and writing. Pass/No Pass only.

ESL 258 - Effective Speaking for ESL Students 3 Unit(s)
Prerequisite(s): Qualifying eligibility for ESL Level IV based on ESL assessment or ESL 313
Transfer Status: NT 51 hours Lecture
This course assists the ESL student in achieving effective personal communication. Emphasis is given to self-improvement involving basic speech fundamentals. Pass/No Pass only.

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 English. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

ESL 311 - ESL Level 1 0 Unit(s)
Prerequisite(s): ESL 310 or Qualifying eligibility from the ESL Assessment (Level I)
Transfer Status: NT 51 hours Lecture
This course moves the non-native English speaking student from basic literacy skills to more in-depth practice with the structure and form of English. Speaking and listening skills are practiced, with introduction to writing and reading utilizing appropriate level texts. Unlimited repeats. Satisfactory/Unsatisfactory Only.

ESL 312 - ESL Level 2 0 Unit(s)
Prerequisite(s): ESL 311 or Qualifying eligibility from the ESL assessment (Level II)
Transfer Status: NT 51 hours Lecture
This course reinforces and expands a non-native English speaking student's literacy skills. It engages students in collaborative activities that integrate reading, writing, speaking, and listening. Basic grammar and vocabulary are introduced in context. Unlimited Repeats. Satisfactory/Unsatisfactory Only.

ESL 313 - ESL Level 3 0 Unit(s)
Prerequisite(s): ESL 312 or Qualifying eligibility from the ESL Assessment (Level III)
Transfer Status: NT 51 hours Lecture
This course assists a non-native English speaking student in developing personal and contextual communication. Through the integration of reading, writing, speaking and listening activities in English it prepares the student to communicate academically and introduces intermediate level grammar structures in context. Unlimited Repeats. Satisfactory/Unsatisfactory Only.

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 25 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 interfacings, seam finishes and design features. Students will develop their sewing skills though 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.

FASH 13 - Fashion Drawing and Illustration 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
This course will introduce students to the techniques and applications of fashion drawing and illustration: developing the fashion figure with proportion and balance, drawing a variety of garment silhouettes and rendering fabrics and textures. Techniques using a variety of color and black/white media will also be explored.

FASH 18 - Visual Merchandising 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 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 34 hours Lecture/51 hours Lab
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 See page 241

FASH 99 - Work Experience-FASH See page 243

Fire Science (FSC)

FSC 2 - Introduction to Fire Science 3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU 51 hours Lecture
This course introduces students to the history and philosophy of the fire service and concepts of fire protection. It includes study of fire organizations and career opportunities in the fire service and related fields; fire loss analysis and the impact of fire on society; public, quasi-public and private fire protection services; specific fire protection techniques and functions; and an introduction to fire chemistry and physics.

FSC 4 - Fundamentals of Fire Behavior and Control 3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU 51 hours Lecture
This course introduces students to methods of science and concepts relating to mechanics, heat, electricity, atomic structure, formula and nomenclature of organic and inorganic compounds for the purpose of identification of dangerous reactions in emergency incidents. Emphasis is placed on basic principles, relationships and applications to fire protection.

FSC 6 - Fire Tactics and Strategy 3 Unit(s)
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU 51 hours Lecture
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 - Personal Fire Safety 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 51 hours Lecture
This course provides students who are interested in careers in the fire service with an overview of injury prevention and general safety techniques for utilization while conducting routine and emergency fire operations.

FSC 10 - Building Construction for Fire Protection 3 Unit(s)
Transfer Status: CSU 51 hours Lecture
This course is a study of the components of building construction as they relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre planning operations, and operating at fires. The course will include a review of the development and evolution of building and fire codes and the relationship to past residential, commercial and industrial fires.

FSC 12 - Fundamentals of Fire Prevention 3 Unit(s)
Transfer Status: CSU 51 hours Lecture
This course will introduce students to the concepts and function of fire prevention. It will include an introduction to inspections; recognition of fire and life hazards; engineering a solution of a fire hazard; enforcing the solution of a fire hazard; and public relations as affected by fire prevention.

FSC 14 - Fire Protection Equipment and Systems 3 Unit(s)
Transfer Status: CSU 51 hours Lecture
This course introduces the student to a variety of fire protection equipment and systems. It will include installation, maintenance and operation of detection and suppression systems, as well as an examination of the suppression of special types of hazards.

FSC 16 - Fire Company Organization and Management 3 Unit(s)
Transfer Status: CSU 51 hours Lecture
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 51 hours Lecture
This course prepares students to seek employment as wildland firefighters. 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 receive California State Fire Marshall (CSFM) certificates of completion for the following National Wildland Fire Training courses: S-110 Basic Wildland Fire Orientation; S-130 Firefighter Training; S-133 Look Up, Look Down, Look Around; S-190 Introduction to Wildland Fire Behavior; I-100 Introduction to Incident Command System.

FSC 97 - Special Problems-FSC See page 241

FSC 99 - Work Experience-FSC See page 243

FSC 105 - Fire Academy Physical Training 2.5 Unit(s)
Co-requisite(s): FSC 106
Transfer Status: NT 9 hours Lecture/95 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 26 Unit(s)
Co-requisite(s): FSC 105
Recommended Prep: Reading Level IV; English Level III
Transfer Status: NT 334.5 hours Lecture/320 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. EMS 111 is integrated into this academy. 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 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.

Foods and Nutrition (FN)

FN 2 - Nutrition 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level II
Transfer Status: CSU/UC 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 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 a student may receive a ServSafe® Certification from the National Restaurant Association Education Foundation and an approved HACCP certification if he or she receives a minimum of 75% on the respective examinations.

FN 50 - Nutrition and Diet Therapy 4 Unit(s)
Recommended Prep: Reading Level V; English Level V; 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 See page 241

FN 99 - Work Experience-FN See page 243

French (FREN)

FREN 1 - First Semester French 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 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 68 hours Lecture
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 See page 241

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 design to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. (C-ID GEOG 111).

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
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 quantitative techniques are explored with attention to integration with GIS datasets. Application of remote sensing for land cover change, vegetation classification, and environmental quality are explored.

GEOG 95 - Special Studies-GEOG See page 241

GEOG 100 - Review for ESRI Certification 1 Unit(s)
Recommended Prep: GEOG 20 GEOG 21 GEOG 22 or equivalent training
Transfer Status: NT 51 hours Lab
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).

GEOL 95 - Special Studies-GEOL — See page 241

German (GERM)

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 a study of beginning German emphasizing grammar, reading, writing, speaking, and listening comprehension. It also introduces the student to various aspects of German culture. Students who have completed at least one, but fewer than two years of high school German (or equivalent)with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester German.

GERM 2 - Second Semester German — 4 Unit(s)

Prerequisite(s): GERM 1
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.

Health (HLTH)

HLTH 2 - Health and Wellness — 3 Unit(s)

Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU/UC — 51 hours Lecture

This course provides basic knowledge and understanding of health and wellness issues in today's society and provides the information needed to make behavioral changes, which will assist students in developing a healthy and successful college experience. Students will explore the concepts of health and wellness behaviors including: psychological/emotional, spiritual, physical, intellectual, environmental, and social wellness. 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 sport. Topics will include eating disorders, drug use, tobacco use, alcohol use and 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.

HLTH 99 - Work Experience-HLTH — See page 243

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 - Roles of 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 roles 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 and women's participation in major political, economic, social, and cultural events and developments, and why 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 See page 241

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 See page 241

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 See page 241

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.

ITAL 95 - Special Studies-ITAL See page 241

ITAL 100 - Beginning Conversational Italian 3 Unit(s)
Transfer Status: NT 51 hours Lecture
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)
Prerequisite(s): ITAL 100
Transfer Status: NT 51 hours Lecture
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.

Japanese (JPN)

JPN 1 - First Semester Japanese 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 Japanese emphasizing reading, writing, speaking, and listening comprehension. It also introduces the student to various aspects of Japanese culture. Students who have completed at least one, but fewer than two years of high school Japanese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Japanese.

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. In addition, this course introduces the student to various aspects of the Japanese culture. Students who have completed at least two, but fewer than three years of high school Japanese (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Third Semester Japanese.

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.

JPN 4 - Fourth Semester Japanese 4 Unit(s)
Prerequisite(s): JPN 3
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 68 hours Lecture
This course is the second half of intermediate Japanese, which further develops language skills: reading, writing, listening comprehension and speaking. Through continued study of Japanese language and culture students further increase their fluency and grammatical accuracy in the four skill areas in expanded written analysis and discussion of both modern and classical Japanese texts.

JPN 95 - Special Studies-JPN See page 241

Journalism (JOUR)

JOUR 2 - Introduction to Reporting and Newswriting 3 Unit(s)
Recommended Prep: Reading Level IV
Transfer Status: CSU 51 hours Lecture
An introduction to gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline and use of AP Style. (C-ID JOUR 110).

JOUR 10 - Beginning Newspaper Production 3 Unit(s)
Transfer Status: CSU 34 hours Lecture/51 hours Lab
Student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Must include weekly news assignments. May include a variety of student media across multiple platforms, including print, broadcast, and online. Includes practical experience in design/layout, visual, online, multimedia journalism and emerging technologies. Must be student produced with student leadership. (C-ID JOUR 130).

JOUR 12 - Intermediate Newspaper Production 3 Unit(s)
Prerequisite(s): JOUR 10
Transfer Status: CSU 34 hours Lecture/51 hours Lab
This course requires higher skill level and/or leadership/management involvement than JOUR 10. Intermediate student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Must include weekly news assignments. May include a variety of student media across multiple platforms, including print, broadcast, and online. Includes practical experience in design/layout, visual, online, multimedia journalism, emerging technologies and leadership/management. Must be student produced with student leadership. (C-ID JOUR 131).

JOUR 95 - Special Studies-JOUR See page 241

JOUR 99 - Work Experience-JOUR See page 243

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, 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 51 hours Lecture
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 51 hours Lecture
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 51 hours Lecture
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 and 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).

KIN 12A - Theory of Baseball I 2 Unit(s)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 34 hours Lecture
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 aerobics 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 38 - 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 39 - 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 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.

KIN 41 - Gentle Yoga 1.5 Unit(s)
Transfer Status: CSU 17 hours Lecture/34 hours Lab
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 1.5 Unit(s)
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 1.5 Unit(s)
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 45 - Pilates 1.5 Unit(s)
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 on 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 1.5 Unit(s)
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 Gung exercises and their purpose that will help them in movement and attitude.

KIN 47 - Stress Management Techniques and Exercise 1.5 Unit(s)
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 1.5 Unit(s)
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 1.5 Unit(s)
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 1.5 Unit(s)
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 0.5 - 1.5 Unit(s)
Transfer Status: CSU/UC 25.5 - 76.5 hours Lab
This course provides each student with an individualized fitness program. A flexible workout schedule supports each student's academic coursework. The fitness center encourages participation at the student's level of fitness and allows for gradual progress toward a lifetime committment to fitness and wellness. Students may enroll in this course up to 1.5 unit to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

KIN 52 - Walking for Fitness 1.5 Unit(s)
Transfer Status: CSU/UC 17 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 53 - Jogging/Running for Fitness 1.5 Unit(s)
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 1.5 Unit(s)
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 1 Unit(s)
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 57 - Archery 1.5 Unit(s)
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 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 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 and develops the student's four step approach, grip, and delivery. Emphasis will be placed on spare and strike position strategies, ball control techniques, and scoring. Students will also learn safety rules, etiquette, and care of equipment for bowling.

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 and techniques of tennis. Emphasis will be placed upon the skills of service and receive, forehand, backhand, and volleys. Court, opponent strategy, etiquette, and the basic rules of play will be introduced and practiced through match play.

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 sills 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 play. Additionally, rules and etiquette will be applied in structured game play. Team play and strategy are the major focal points in the course. Components of individual play will be emphasized as inherent to team play and strategy.

KIN 70 - Basketball I 1.5 Unit(s)
Transfer Status: CSU/UC 17 hours Lecture/34 hours Lab
This course provides students with an introduction to the game of basketball. Specific attention will be focused upon standard rules, sportsmanship, etiquette, offensive and defensive team play, and the application of game strategy. Individual fundamentals will focus on offensive and defensive techniques specific to footwork, ball skills (i.e., shooting, passing, and dribbling), and rebounding.

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 73 - 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 blocks, 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 Lecture34 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 17 hours Lecture/34 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 153 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 17 hours Lecture/34 hours Lab
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)
Limitation on Enrollment: Student-athletes currently participating in Intercollegiate Athletics
Transfer Status: CSU/UC 11 hours Lecture/23 hours Lab
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 17 hours Lecture/34 hours Lab
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 17 hours Lecture/34 hours Lab
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 See page 241

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
A translation course in elementary Latin, emphasizing a foundational knowledge of Latin pronunciation, vocabulary, grammar, and syntax. Close study of 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 with a grade of "C" or higher, or one year of high school Latin
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 with a grade of "C" or higher, or equivalent
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 See page 241

Library 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 reasearch skills. Students will develop their abilities to locate, interpret, analyze, synthesize, evaluate and communicate information effectively. Students will learn how to identify and define the scope of a research topic and how to effectively research relevant online catalogs, electronic databases and the World Wide Web.

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 124 or Math Level V
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 124 or Math Level V
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
Recommended Prep: Reading Level V
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 124 or Math Level V
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) 3 Unit(s)
Prerequisite(s): MATH 124 or Math Level V
Recommended Prep: Reading Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 4 Unit(s)
Prerequisite(s): MATH 124 or Math Level V
Recommended Prep: Two years high-school algebra and Reading Level IV
Transfer Status: CSU/UC 68 hours Lecture
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 This course is offered only once each academic year. (C-ID MATH 140).

MATH 18 - Introduction to Statistics 3 Unit(s)
Prerequisite(s): MATH 124 or Math Level V
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 3 Unit(s)
Prerequisite(s): MATH 124 or Math Level V
Recommended Prep: Two years of high school algebra and Reading Level IV
Transfer Status: CSU 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 4 Unit(s)
Prerequisite(s): MATH 124 or Math Level V
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 5 Unit(s)
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
A first course in differential and integral calculus of a single variable: functions, limits and continuity, techniques and applications of differentiation and integration, Fundamental Theorem of Calculus. Primarily for Science, Technology, Engineering & Math Majors. (C-ID MATH 210).

MATH 31 - Analytic Geometry and Calculus II 4 Unit(s)
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 1 Unit(s)
Prerequisite(s): MATH 30
Co-requisite(s): MATH 31
Recommended Prep: Reading Level IV
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 32 - Analytic Geometry and Calculus III 4 Unit(s)
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 4 Unit(s)
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 42 - Linear Algebra 3 Unit(s)
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. This course is offered only in spring. (C-ID MATH 250).

MATH 95 - Special Studies-MATH See page 241

MATH 108 - Beginning Algebra 4 Unit(s)
Prerequisite(s): MATH 217 or Math Level III
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 or Math Level IV
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 124 - Intermediate Algebra 5 Unit(s)
Prerequisite(s): MATH 108 or Math Level IV
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)
Prerequisite(s): Math Level I
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 or Math Level II
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.

Multicultural Studies (MCS)

MCS 32 - The African American 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
The course describes the cultural history of African Americans from the post Civil War period to the present. 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. Finally, this discussion demonstrates how African Americans have through the years become a distinctive and vital part of the fabric of American culture.

MCS 36 - The Chicano American 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 Chicanismo through a critical and comparative examination of relevant literature. Areas that will be examined will include economics, family and religion, social and political behavior, health, education and prejudice. Also included in this examination will be a specific look at the Chicano movement, its goals, methods, and people.

MCS 38 - The Asian American 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 (e.g. Chinese, Korean, Japanese, Southeast Asian American, among others). Emphasis is given to the cultural and historical and circumstances that caused various Asian populations to resettle in the United States. Moreover, each Asian American population is described according to the challenges faced upon arrival in the United States; how they met these challenges over time through a variety of cultural adaptations; and their unique contributions to American society as a whole.

MCS 95 - Special Studies-MCS See page 241

Multimedia Studies Program (MSP)

MSP 1 - Multimedia Careers 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 42.5 hours Lecture/25.5 hours Lab
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 34 hours Lecture/51 hours Lab
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 9 - Concept Art and Design for Entertainment Media 3 Unit(s)
Transfer Status: CSU 34 hours Lecture/51 hours Lab
This course introduces students to visualization techniques, ideation processes, and the tools and materials used in professional concept studios in the video game and entertainment industries. Students will be introduced to the history of concept art and its evolution from industrial design and architecture to modern day use in video games, entertainment, and toy design. Students will learn how to develop concepts from the sketch phase through final presentation drawings, brainstorming and teamwork, reading and adapting project briefs, and creating professional presentation boards. This is an essential foundation course for programs and careers in concept art, video games, animation, digital design, graphic design, and industrial design.

MSP 10 - Digital Video Design and Production 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 the use of computer and video editing software to create video sequences. Students will use computers to apply the basic concepts of video editing as used in TV, film, computer games, animation, internet design and other image based media.

MSP 12 - Two-Dimensional Animation 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 two-dimensional animation. Topics include storyboards, drawing extremes and in-betweens, defining motion paths, creating illusion of depth, basic Actionscripting for animation, use of type in animated sequences, and other animation techniques.

MSP 30 - Introduction to Digital Art 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 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 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 68 - T-Shirt Design and Promotional Products 3 Unit(s)
Transfer Status: CSU 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
This course introduces students to skills and techniques used to produce computer generated multimedia presentations. Areas of study will include the development of multimedia projects and the study of multimedia tools, the selection of hardware, use of text, photography, graphics, animation, digital video and audio.

MSP 75 - Multimedia Production II 3 Unit(s)
Prerequisite(s): MSP 74
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
This is an intermediate course in multimedia production that focuses on the application of interactive design techniques. Students will produce original content in the creation of multimedia projects.

MSP 95 - Special Studies-MSP See page 241

MSP 96 - Introduction to Computer Graphics 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 skills, techniques and tools to produce computer generated graphics. Areas of study will include: the basics of computer drawing and design, adding text to graphics, converting and exporting graphics into multiple formats for print and online, and modification and transformation techniques.

MSP 99 - Work Experience-MSP See page 243

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)
Co-requisite(s): MUS 11 and MUS 20, MUS 30 or MUS 40
Recommended Prep: MUS 3 or Ability to read and write music at a fundamental 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)
Co-requisite(s): MUS 10 and MUS 20, MUS 30 or MUS 40
Transfer Status: CSU/UC 51 hours Lab
This course applies and develops the rhythmic, melodic, and harmonic materials presented in Music Theory I through ear training, sight singing, analysis, and dictation. (C-ID MUS 125).

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 of 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).

MUS 16 - Music Theory IV 3 Unit(s)
Prerequisite(s): MUS 14
Co-requisite(s): MUS 17 and MUS 23, MUS 33 or MUS 43
Transfer Status: CSU/UC 51 hours Lecture
This course incorporates the concepts from Music Theory III. In addition, through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented sixth chords, 9th, 11th, and 13th chords, altered chords and dominants; and 20th century techniques such as: Impressionism, tone rows, pandiatonicism and polytonalism, meter and rhythm. (C-ID MUS 150).

MUS 17 - Musicianship IV 1 Unit(s)
Prerequisite(s): MUS 15
Co-requisite(s): MUS 16 and MUS 23, MUS 33 or MUS 43
Transfer Status: CSU/UC 51 hours Lab
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).

MUS 20 - Guitar I 1 Unit(s)
Limitation on Enrollment: Selected by audition
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for the guitar. The focus of the course is on fundamentals: reading music, posture, hand position, fingering, rhythm, chord structure and progressions, and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 21 - Guitar II 1 Unit(s)
Prerequisite(s): MUS 20
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
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).

MUS 22 - Guitar III 1 Unit(s)
Prerequisite(s): MUS 21
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for the guitar at an advanced intermediate level. The focus of the course is on building technique and repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 23 - Guitar IV 1 Unit(s)
Prerequisite(s): MUS 22
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for the guitar at an advanced level. The focus of the course continues to be on building technique and performance confidence and adding repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 30 - Voice I 1 Unit(s)
Limitation on Enrollment: Selected by Audition
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for voice. The focus of the course is on fundamentals: reading music, posture, rhythm, breath control, and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 31 - Voice II 1 Unit(s)
Prerequisite(s): MUS 30
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for voice at an intermediate level. The focus of the course is on fundamentals: reading music, posture, breath control, repertoire and performance. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 32 - Voice III 1 Unit(s)
Prerequisite(s): MUS 31
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for voice at an advanced intermediate level. The focus of the course is on development of technique and repertoire. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 33 - Voice IV 1 Unit(s)
Prerequisite(s): MUS 32
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
This course consists of individualized study of the appropriate techniques and repertoire for voice at an advanced level. The focus of the course is on continuing development of vocal technique and repertoire building. Emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course is primarily intended for music majors. (C-ID MUS 160).

MUS 40 - Piano I 1 Unit(s)
Limitation on Enrollment: Selected by audition
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
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.

MUS 41 - Piano II 1 Unit(s)
Prerequisite(s): MUS 40
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
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 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).

MUS 42 - Piano III 1 Unit(s)
Prerequisite(s): MUS 41
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
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.

MUS 43 - Piano IV 1 Unit(s)
Prerequisite(s): MUS 42
Transfer Status: CSU/UC 8.5 hours Lecture/25.5 hours Lab
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 17 hours Lecture/34 hours Lab
This course is a study of the operation of computers and basic practices for their use in music composition. Emphasis is placed on computer music applications including sequencing, notation, and sound design. The course focuses on entry-level details in system and music file management, music recording and creation, and the practical software applications used in the music field.

MUS 52 - Introduction to Recording Techniques 3 Unit(s)
Transfer Status: CSU 25.5 hours Lecture/76.5 hours Lab
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 25.5 hours Lecture/76.5 hours Lab
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 17 hours Lecture/153 hours Lab
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 17 hours Lecture/153 hours Lab
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)
Limitation on Enrollment: Audition Required
Transfer Status: CSU/UC 51 hours Lab
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 See page 241

MUS 99 - Work Experience-MUS See page 243

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 34 hours Lecture/51 hours Lab
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)
Recommended Prep: Reading Level IV, English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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)
Recommended Prep: Reading Level IV, English Level III
Transfer Status: CSU/UC 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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.

NR 55 - Wildlife Management 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
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 51 hours Lecture
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 34 hours Lecture/51 hours Lab
This course is an introduction to the techniques, issues and laws pertaining to recreational land management. Topics include types of recreational activities, evaluation of site resources, maintainance and operation of outdoor recreational facilities. Analyses of social and economic factors that affect participation in recreational activities will be included.

NR 70 - Geospatial Data Applications 2 Unit(s)
Recommended Prep: AB 25
Transfer Status: CSU 17 hours Lecture/51 hours Lab
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.

Nursing (NSG)

NSG 18 - Fundamentals of Nursing 3 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 21, NSG 22, NSG 23, NSG 24 and NSG 28
Transfer Status: CSU 51 hours Lecture
This course focuses on the client-centered study of fundamental nursing concepts applicable to all clinical areas in vocational nursing. Graded only.

NSG 21 - Clinical Nursing I 7 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 18, NSG 22, NSG 23, NSG 24 and NSG 28
Transfer Status: CSU 357 hours Lab
In this course students apply fundamental nursing skills and provide client care for adults. The course provides the opportunity to apply didactic information from concurrent nursing courses to the clinical setting. Pass/No Pass only.

NSG 22 - Gerontology Nursing 1 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 18, NSG 21, NSG 23, NSG 24 and NSG 28
Transfer Status: CSU 17 hours Lecture
This course introduces the vocational nursing student to the facts and myths of the older population, common conditions and diseases, assistive and restorative resources, and the older person's physiological and psychological responses to illness and medication. Included in the unit is the normal physiological and psychological aging process as well as information supportive of positive and healthy aging. Graded only.

NSG 23 - Pharmacology Nursing 3 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 18, NSG 21, NSG 22, NSG 24 and NSG 28
Transfer Status: CSU 51 hours Lecture
This course covers basic applied pharmacology and major drug groups. Students will learn computation of drug dosages and safe and correct administration of medications. Emphasis will be placed on drug action, pharmacokinetics, adverse drug effects, side effects of drug therapy and nursing process related to drug groups. The course will be closely correlated to concurrent medical-surgical theory and clinical experiences. Graded only.

NSG 24 - Musculoskeletal Nursing 1 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 18, NSG 21, NSG 22, NSG 23 and NSG 28
Transfer Status: CSU 17 hours Lecture
This course provides a foundation in the study of nursing process, basic physiology and pathophysiology related to adult clients experiencing disorders of the musculoskeletal system. Graded only.

NSG 28 - Role Development 1 Unit(s)
Prerequisite(s): Admission to Vocational Nursing Program
Co-requisite(s): NSG 18, NSG 21, NSG 22, NSG 23 and NSG 24
Transfer Status: CSU 17 hours Lecture
This course focuses on developing therapeutic communication skills in all aspects of nursing care. Nursing process as it applies to interpersonal communication and personality development theory will be integrated throughout course. Graded only.

NSG 31 - Clinical Nursing II 7 Unit(s)
Prerequisite(s): NSG 18, NSG 21, NSG 22, NSG 23, NSG 24 and NSG 28
Co-requisite(s): NSG 32, NSG 35, NSG 36 and NSG 37
Transfer Status: CSU 357 hours Lab
This course further develops skills developed during Clinical Nursing I and prepares students to provide care for hospitalized patients. Focus is on adult Medical-Surgical nursing as related to concurrent nursing units. Care for the perioperative patient is emphasized. Pass/No Pass only.

NSG 32 - Perioperative Nursing and Client Education 2 Unit(s)
Prerequisite(s): NSG 18, NSG 21, NSG 22, NSG 23, NSG 24 and NSG 28
Co-requisite(s): NSG 31, NSG 35, NSG 36, NSG 37
Transfer Status: CSU 34 hours Lecture
This course provides an introduction to nursing care related to clients in the preoperative, intraoperative and postoperative phases of surgical care. Included is a focused study of the teaching needs of clients and families in perioperative settings. Development of client education skills, awareness of barriers to client learning, and a review of adult learning styles is included. Medications used during each phase of the perioperative process is addressed. Graded only.

NSG 35 - Cardiovascular and Respiratory Nursing 3 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 36 and NSG 37
Transfer Status: CSU 51 hours Lecture
This course introduces students to the nursing process related to adult clients experiencing disorders of the respiratory, cardiovascular, hematologic, and immune systems. Pathophysiology and medical treatment of diseases of the respiratory, cardiovascular, and immune systems are addressed. Graded only.

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 is explored 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 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 and NSG 57
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 3 Unit(s)
Prerequisite(s): Admission to Associate Degree Nursing Program
Co-requisite(s): NSG 54, NSG 56 and NSG 57
Transfer Status: CSU 51 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 and NSG 57
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.

NSG 57 - Nursing Seminar: Theory Integration I 1 Unit(s)
Prerequisite(s): Admission to Associate Degree Nursing Program
Co-requisite(s): NSG 54, NSG 55 and NSG 56
Transfer Status: CSU 17 hours Lecture
This course integrates theory and clinical learning experiences through the use of case study evaluation and class discussion. Critical thinking skills, assessment skills, and nursing process will be emphasized in a case study format. Graded only.

NSG 60 - Maternity Nursing 2 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56, NSG 57
Co-requisite(s): NSG 62, NSG 63, NSG 66, NSG 70
Transfer Status: CSU 34 hours Lecture
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, NSG 71
Transfer Status: CSU 34 hours Lecture
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 3 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56, NSG 57
Co-requisite(s): NSG 60, NSG 63, NSG 66, NSG 70
Transfer Status: CSU 51 hours Lecture
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, NSG 57
Co-requisite(s): NSG 60, NSG 62, NSG 66, NSG 70
Transfer Status: CSU 34 hours Lecture
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 17 hours Lecture
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, critical thinking skills, problem solving skills, role development, 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 34 hours Lecture/51 hours Lab
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, NSG 57
Co-requisite(s): NSG 60, NSG 62, NSG 63, NSG 70
Transfer Status: CSU 272 hours Lab
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 2 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 61, NSG 68, NSG 69, NSG 71
Transfer Status: CSU 34 hours Lecture
This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses is addressed. 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 68 - Clinical Nursing III 5 Unit(s)
Prerequisite(s): Admission to ADN Program
Co-requisite(s): NSG 61, NSG 67, NSG 69, NSG 71
Transfer Status: CSU 272 hours Lab
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, NSG 71
Transfer Status: CSU 34 hours Lecture
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 70 - Theory Integration Seminar II 1 Unit(s)
Prerequisite(s): NSG 54, NSG 55, NSG 56, NSG 57
Co-requisite(s): NSG 60, NSG 62, NSG 63, NSG 66
Transfer Status: CSU 17 hours Lecture
In this course students will integrate critical thinking skills and didactic content to clinical case studies in maternity, pediatric and acute medical surgical nursing content. The student will clarify roles and develop plans of care for clients throughout the lifespan. Graded only.

NSG 71 - Theory Integration Seminar III 2 Unit(s)
Prerequisite(s): Admission to the ADN Program
Co-requisite(s): NSG 61, NSG 67, NSG 68, NSG 69
Transfer Status: CSU 34 hours Lecture
In this course students will integrate critical thinking skills and didactic content to clinical case studies, in-depth physical assessment skills in gerontology, chronic illness and community/home nursing. The student will clarify roles and expectations in rehabilitation/supportive health care and community setting. Graded only.

NSG 74 - Nursing Leadership and Management of Patient Care 2 Unit(s)
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69, NSG 71
Co-requisite(s): NSG 77, NSG 78, NSG 79, NSG 81
Transfer Status: CSU 34 hours Lecture
This course provides an opportunity for students enrolled in the Associate Degree Nursing (ADN) program to develop skills in leading and managing patient care. 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 2 Unit(s)
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69, NSG 71
Co-requisite(s): NSG 74, NSG 78, NSG 79, NSG 81
Transfer Status: CSU 34 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 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 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, NSG 71
Co-requisite(s): NSG 74, NSG 77, NSG 79, NSG 81
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 psychosocial/development disorders. Observation and participation in a variety of community mental health settings allows the student to use the theory in supervised practice. In addition, students will utilize the nursing process to generate nursing decisions in providing care in the hospital setting for adult clients with multiple system disorders, unstable medical conditions, and critical health care disorders. Pass/No Pass only.

NSG 79 - Mental Health/Psychiatric Nursing 2 Unit(s)
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69, NSG 71
Co-requisite(s): NSG 74, NSG 77, NSG 78, NSG 81
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 81 - Theory Integration Seminar IV 2 Unit(s)
Prerequisite(s): NSG 61, NSG 67, NSG 68, NSG 69, NSG 71
Co-requisite(s): NSG 74, NSG 77, NSG 78, NSG 79
Transfer Status: CSU 34 hours Lecture
This course applies the integration of critical thinking skills and didactic content to clinical case studies in mental health, management, and acute medical surgical nursing content. The student will clarify roles and develop plans of care for clients through the life span. Graded only.

NSG 97 - Special Problems-NSG See page 241

NSG 99 - Work Experience-NSG See page 243

NSG 200 - Certified Nurses Aide Basic Nursing Care, Theory 3.5 Unit(s)
Prerequisite(s): Admission to Nursing Assistant Program
Co-requisite(s): NSG 201
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 201 qualifies the student to take the Written and Manual Skills testing for State Certification. Graded only.

NSG 201 - Certified Nurses Aide Basic Nursing Care, Clinical 3 Unit(s)
Co-requisite(s): NSG 200
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 202 - Acute Care Nurse Assistant 4 Unit(s)
Prerequisite(s): NSG 200, NSG 201 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 205 - Home Health for the Certified Nurses Aide (CNA) 1.5 Unit(s)
Prerequisite(s): NSG 200, NSG 201 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)

OLS 323 - Occupational and Academic Assessment 0 Unit(s)
Transfer Status: NT 80 hours Lab
This course prepares students for placement in the Occupational and Life Skills Certificate Program. The focus of this course is to assess individual abilities, determine avenues of interest, identify vocational and academic goals, validate academic skill levels, and establish a student vocational contract. Topics include vocational aptitude, learning styles, decision making, and personal values. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 324 - Workplace Communication 0 Unit(s)
Prerequisite(s): OLS 323
Transfer Status: NT 85 hours Lab
This course provides training for students in the areas of workplace culture and environment. Topics include interpersonal skills development, professional conduct, workplace communication, safety, and problem-solving job readiness skills. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 325 - Literacy for Career Building 0 Unit(s)
Prerequisite(s): OLS 323
Transfer Status: NT 85 hours Lab
Vocational and academic language skills development for students seeking employment. Strategies for pre-writing, organization of text, and comprehension skills are emphasized to prepare job applications, cover letters, resumes, and business specific literature. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 326 - Mathematics within Industry 0 Unit(s)
Prerequisite(s): OLS 323
Transfer Status: NT 85 hours Lab
This course prepares students for mathematical concepts encountered in various trades. These concepts include, but are not limited to, money skills, measurements, temperatures, computing taxes, decimals, and estimating dollar amounts and volume of materials needed to complete a task. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 327 - Career Exploration 0 Unit(s)
Prerequisite(s): OLS 325
Transfer Status: NT 51 hours Lab
In this course students develop career exploration skills that will help them select an occupational training experience in OLS 329. Emphasis is placed on one of the occupational certifications in carpentry, customer service, food service, greenhouse operations, hospitality, irrigation, retail sales, small engine repair, and warehousing. Activities include career planning, accessing computerized information systems for job searches, career decision making, and goal setting. Career and labor market resources and job information are presented. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 328 - Strategies for Employment 0 Unit(s)
Prerequisite(s): OLS 323
Transfer Status: NT 51 hours Lab
This course introduces students to a variety of strategies to help them to be more successful in the workplace. These strategies include, but are not limited to, preparation for interviews and follow up, time management, task organization, job search, development of job leads, and memorization. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 329 - Occupational Certification Workshop 0 Unit(s)
Prerequisite(s): OLS 327, OLS 328
Transfer Status: NT 51 hours Lab
This course provides certification in an area of study selected by the student for the purpose of preparing to obtain employment in one of the following topic areas: customer service, food service, greenhouse and nursery operations, hospitality, irrigation, retail sales, small engine repair, and warehousing. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

OLS 330 - Experiential Vocational Training 0 Unit(s)
Prerequisite(s): OLS 324, OLS 326, OLS 329
Transfer Status: NT 100 hours Lab
In this course students apply the life skills learned in the Occupational and Life Skills program and the occupation specific skills learned in OLS 329, in either a paid or non-paid position within a for profit or nonprofit business. Students are required to work 100 hours in a paid or non-paid position to fulfill the requirements for the Occupational and Life Skills Certificate. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

Philosophy (PHIL)

PHIL 2 - Introduction to Philosophy 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course is an introduction to the nature of philosophical thought and skills. Issues that traditionally have been of central importance in philosophical inquiry will be emphasized. These include the nature of knowledge (e.g., skepticism, truth, and scientific methodology), reality (e.g., free will, mind/body problem, existence of God), and values (relativism, foundation of morality).

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 See page 241

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.

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 photograph editing, color correction, and formatting. Students will learn to manipulate color and black-and-white images, layers, special effects, photo restoration/colorizing, and filters to prepare images for print and web distribution.

PHO 95 - Special Studies-PHO See page 241

PHO 99 - Work Experience-PHO See page 243

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 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 Level IV
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 interdependence 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.

PSC 21 - Introductory Physical Science Laboratory 1 Unit(s)
Prerequisite(s): PSC 20 (or concurrent enrollment)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lab
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 4 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level IV
Transfer Status: CSU/UC 51 hours Lecture/51 hours Lab
This course is a study of our dynamic universe. Topics include the history of astronomy, the science of observation and discovery, stellar birth, maturation and death, planetary formation, a description of our solar system galaxies, quasars and cosmology.

PSC 30H - Honors Introductory Astronomy 4 Unit(s)
Prerequisite(s): ENGL 2 or concurrent enrollment and Admission to the Honors Program
Recommended Prep: Math Level IV
Transfer Status: CSU 51 hours Lecture/51 hours Lab
This is an Honors level course in the study of our dynamic universe. Through a process of thorough analysis, critical thinking, extended discussions, and original oral and written responses, students will establish connections between the principle-based methods of the hard sciences and our understanding of the fundamental questions of the cosmos and our place in it. Issues covered include the history of astronomy, the science of observation and discovery, stellar birth, maturation and death, planetary formation, a description of our solar system galaxies, quasars, and cosmology. Graded only.

PSC 50 - Introduction to Weather 3 Unit(s)
Recommended Prep: Reading Level IV, English Level IV, Math Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 1 Unit(s)
Prerequisite(s): PSC 50 (or concurrent enrollment)
Transfer Status: CSU/UC 51 hours Lab
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 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC 51 hours Lecture
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 See page 241

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
Emphasis is placed on physics from a conceptual rather than a mathematical approach. Topics include: Newton's Laws of Motion, energy and momentum. Depending on the students' interests, further topics may include: 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 Physics 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 See page 241

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 14 - Politics of Third World Nations 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
The political dynamics of selected Third World nations are examined in this course. Major emphasis will be on problems of poverty, colonialism, comparative political structures and behavior, imperialism, and international relations. This course will also focus on tensions in the political culture between traditional and non-traditional values in contemporary Third World societies.

POS 16 - Vital Political Problems 3 Unit(s)
Recommended Prep: Reading Level V; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
This course examines major political problems in the United States today that challenge us to think more clearly and deeply about constitutional democracy. Democracy, freedom, and equality are ideals explored, contrasted, and discussed in this course. The extent to which free markets replace government or government replaces free markets is surveyed from both conservative and liberal perspectives.

POS 18 - International Relations 3 Unit(s)
Recommended Prep: Reading Level IV; 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 92 - Exploring Leadership 3 Unit(s)
Recommended Prep: English Level IV
Transfer Status: CSU 51 hours Lecture
This course is designed to introduce students to the fundamental elements of leadership. Students will explore leadership theories and models as well as their own values and beliefs to develop a personal philosophy of leadership that includes an understanding of self, others and community. Students will learn how to apply theory into practice as they prepare for leadership roles in college and community settings.

POS 95 - Special Studies-POS See page 241

POS 99 - Work Experience-POS See page 243

Psychology (PSY)

PSY 1 - Principles of Psychology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level IV
Transfer Status: CSU/UC 51 hours Lecture
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 3 Unit(s)
Prerequisite(s): PSY 1
Transfer Status: CSU/UC 51 hours Lecture
This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive research. (C-ID PSY 150).

PSY 6 - Abnormal Psychology 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU/UC 51 hours Lecture
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 3 Unit(s)
Prerequisite(s): PSY 1, MATH 18
Recommended Prep: SOC 2 and Reading Level IV; English Level IV; Math Level III
Transfer Status: CSU/UC 51 hours Lecture
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 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 peacemaking 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 See page 241

PSY 99 - Work Experience-PSY See page 243

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 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 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.

RTVF 40 - Digital Video Production 3 Unit(s)
Recommended Prep: Reading Level IV; English Level III
Transfer Status: CSU 34 hours Lecture/51 hours Lab
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 34 hours Lecture/51 hours Lab
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 See page 241

RTVF 99 - Work Experience-RTVF See page 243

Reading (READ)

READ 2 - Speed Reading 3 Unit(s)
Prerequisite(s): READ 127 or Reading Level IV
Transfer Status: CSU 51 hours Lecture
This course will improve both a student's reading rate and flexibility. Emphasis is on adjusting the level of comprehension and reading rate to suit the reader's purpose, the complexity of the material, and the student's familiarity with the material. The student will have the opportunity to use skimming, scanning, and power reading methods on newspapers, magazines, expository essays, electronic media, and textbooks. He or she will also learn strategies to interpret and critique both non-fiction and fiction.

READ 95 - Special Studies-READ See page 241

READ 126 - College Study Skills 3 Unit(s)
Prerequisite(s): READ 223 or Reading Level II
Transfer Status: NT 51 hours Lecture
This course is a study skills class in which students will learn and practice 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 students with college study skills.

READ 127 - Reading for College Success 3 Unit(s)
Prerequisite(s): READ 225 or Reading Level III
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 - Reading I 3 Unit(s)
Prerequisite(s): Reading Level I
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 introduced. Pass/No Pass only.

READ 225 - Reading II 3 Unit(s)
Prerequisite(s): READ 223 or Reading Level II
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)
Prerequisite(s): RLS 20 (or concurrent enrollment)
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)
Prerequisite(s): RLS 20 (or concurrent enrollment)
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)
Prerequisite(s): RLS 20 (or concurrent enrollment)
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 51 hours Lecture
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 51 hours Lecture
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 51 hours Lecture
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 51 hours Lecture
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 51 hours Lecture
The course is an introduction to Mortgage Brokerage: how it works and how mortgage brokers can assist home-buyers in finding the right loan. Topics include the Secure and Fair Enforcement (SAFE) Act (signed into law as part of the Housing and Economic Recovery Act (HERA) of 2008) and the Dodd-Frank Act and their impacts on mortgage lending practices and professionals, including the new professional designation of Mortgage Loan Originator (MLO). This course 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 See page 243

Respiratory Therapy (RT)

RT 97 - Special Problems-RT See page 241

RT 99 - Work Experience-RT See page 243

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 0.75 Unit(s)
Prerequisite(s): RT 110, ENGL 2, CMST 2 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, BCIS 33
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, BCIS 33
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, BCIS 33
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 3.75 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 2.25 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. Critique of clinical performance by hospital personnel is a component part of grading for this course. 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 germaine to respiratory care as an allied health profession through lecture/discussion/literary review. Emphasis will be placed on issues relevant to the current practice of respiratory care and current credentialing requirements. Preparation for post-graduate credentialing examinations will be included in 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.

Sign Language (SIGN)

SIGN 1 - American Sign Language 1 — 3 Unit(s)

Recommended Prep: Reading Level II; English Level II
Transfer Status: CSU/UC — 51 hours Lecture

This course is a beginner's study of the fundamental principles, structure, and receptive and expressive vocabulary of American Sign Language (ASL). This course incorporates the skill of Fingerspelling as an essential part of ASL. It focuses on the acquisition of ASL and provides opportunities for learning the idiomatic Language of Deaf Americans. Study of the culture and history of the American Deaf community will be infused throughout the curriculum.

SIGN 2 - American Sign Language II — 3 Unit(s)

Prerequisite(s): SIGN 1
Transfer Status: CSU/UC — 51 hours Lecture

SIGN 2 is a more advanced study of the fundamental principles, structure, and vocabulary of American Sign Language (ASL). It incorporates an in-depth study of fingerspelling, numbers, English idioms, classifiers, and the various Sign Language Systems. The course includes an introduction to the interpreting process. Study of the culture and history of the American Deaf community will be infused throughout the curriculum.

Sociology (SOC)

SOC 2 - Principles of Sociology — 3 Unit(s)

Recommended Prep: Reading Level III; English Level II
Transfer Status: CSU/UC — 51 hours Lecture

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 — 51 hours Lecture

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 — 51 hours Lecture

This course introduces students to the principles of 'Sustainability' within the global, national, regional, and local contexts. This course will increase students' literacy of the three interconnected 'pillars' of sustainable systems, the ecosystem, human society, and the economy. To develop these literacies, students will begin by investigating the perils that currently effect each system, for example, resource depletion, species extinction, pollution, and global warming in the ecosphere; population growth, social inequality, disease, violence and conflict in human societies; and imperialism, unemployment, consumerism and waste in the global economy. The majority of the course will focus on social institutions and organizations that are re-imagining our common future by rethinking and redesigning how we live. Students will learn of new and innovative uses of renewable resources, production processes, and human capital; alternative forms of energy, transportation, building materials, food production, media, education, and urban planning; and new ways to build coalitions, community, trust, and democratic participation. Case studies will highlight sustainability practices in different parts of the world from a variety of perspectives.

SOC 8 - Introduction to Marriage, Family and Intimate Relationships — 3 Unit(s)

Recommended Prep: Reading Level III; English Level IV
Transfer Status: CSU — 51 hours Lecture

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 — 51 hours Lecture

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 — 51 hours Lecture

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 — 51 hours Lecture

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 — 51 hours Lecture

This course is an analysis of social stratification and its affect on minority/majority group relations in American society. Emphasis will be on the examination of sociohistorical patterns of relationships between racial and ethnic minority groups and the dominant majority. Additionally, an evaluation of sexism, classism, institutional discrimination and environmental racism provides the student with a broad perspective of national and global social inequality.

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 — 34 hours Lecture

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 — See page 241

SOC 99 - Work Experience-SOC — See page 243

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 course is a study of beginning Spanish emphasizing grammar, reading, writing and speaking. It also introduces the student to various aspects of the cultures of Spanish-speaking regions. Students who have completed at least one, but fewer than two 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 Second Semester Spanish.

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 is the second half of beginning Spanish, which further develops the skills of understanding, speaking, reading, and writing Spanish. It continues to introduce students to various aspects of Hispanic culture. 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 Third Semester Spanish.

SPAN 3 - Third Semester Spanish 4 Unit(s)
Prerequisite(s): SPAN 2
Recommended Prep: Reading Level III; English Level III
Transfer Status: CSU/UC 68 hours Lecture
This course is the first half of intermediate Spanish which further develops the skills of understanding, speaking, reading, and writing within a culturally rich context. It is a review and further study of structural elements. Reading selections from the Hispanic world will be included. 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 is the second half of intermediate Spanish which further develops the skills of understanding, speaking, reading, and writing within a culturally rich context. It is a review and further study of structural elements. Reading selections from the Hispanic world will be included.

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.

SPAN 95 - Special Studies-SPAN See page 241

SPAN 100 - Beginning Conversational Spanish 3 Unit(s)
Transfer Status: NT 51 hours Lecture
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)
Prerequisite(s): SPAN 100
Transfer Status: NT 51 hours Lecture
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 (SPE)

SPE 306 - Work Activity for Adults with Disabilities 0 Unit(s)
Recommended Prep: Special Education K-12
Transfer Status: NT 510 hours Lab
This course provides individual assessment and vocational, functional, and social skills training for students with developmental disabilities through work readiness opportunities in a sheltered workshop environment. Areas of vocational activity can include: product assembly, sewing, wood product production, recycling, and landscape services. This is a non-credit course designed to support the educational program for persons with substantial disabilities. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

SPE 308 - Functional Academics for Persons with Substantial Disabilities 0 Unit(s)
Recommended Prep: Special Education K-12
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.

SPE 310 - Integration into the Community for Persons with Substantial Disabilities 0 Unit(s)
Recommended Prep: Special Education K-12
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.

SPE 311 - Horticultural Arts for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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.

SPE 312 - Applied Arts for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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 expression of adults with limited ability to communicate in traditional ways. Topics will include stained glass, ceramics, beading and jewelry making, woodworking, and fabric art. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

SPE 313 - Fine Arts for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
Transfer Status: NT 200 hours Lab
This course is designed for persons with substantial disabilities attending a facility in thecommunity 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.

SPE 314 - Performing Arts for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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 skits, plays, stand up comedy, poetry slams, dance and movement, musical instruments and singing. An individual assessment of needs as well as an ongoing individual service plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited Repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

SPE 315 - Culinary Arts and Nutrition Skills for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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.

SPE 316 - Health and Wellness for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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.

SPE 318 - Communication Skills for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
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.

SPE 320 - Independent Living Skills for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
Transfer Status: NT 280 hours Lab
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 321 - Individual Social Growth Skills for Persons with Substantial Disabilities 0 Unit(s)

Recommended Prep: Special Education K-12
Transfer Status: NT 280 hours Lab
This course provides individual assessment and one-on-one socialization training necessary for independent living and integration into the community for students with substantial disabilities. Personal and household management topics include time and money management, sexual awareness, community resource assistance, personal hygiene, and physical wellness. 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 280 hours Lab
This course provides group socialization training for persons with substantial disabilities through group interaction and activities. Group Social Growth focuses on team building skills, interacting in group settings, and promoting companionship. Topics include group socialization, 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.

Special Studies and Special Problems

95 - Special Studies 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. Students may enroll in this course up to 3 units to complete the entire curriculum of the course.

97 - Special Problems 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. Students may enroll in this course upto 3 units to complete the entire curriculum of the course.

Welding (WLD)

WLD 20 - Beginning Welding 4 Unit(s)
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/153 hours Lab
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.

WLD 21 - Intermediate Welding 4 Unit(s)
Prerequisite(s): WLD 20
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/153 hours Lab
In this course students will perform welds in positions other than flat and horizontal. The content will enhance the ability of the students to perform welds out of position. The course includes welding safety, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), plasma arc cutting (PAC), air carbon arc cutting and gouging (CAC-A) welding and cutting processes. These welds will be performed in the flat, horizontal, vertical, and overhead positions. It will also include base metal, shielded metal arc welding electrodes, joint fit-up and alignment, groove welds with backing, and open V-groove welds. All welds will meet the American Welding Society (AWS) qualification standards.

WLD 22 - Oxyacetylene Welding and Flame Cutting 2 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 24, WLD 25, WLD 26, WLD 40, WLD 154
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/51 hours Lab
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.

WLD 24 - Shielded Metal Arc Welding (Stick Electrode) 8 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 22, WLD 25, WLD 26, WLD 40, WLD 154
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 34 hours Lecture/306 hours Lab
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).

WLD 25 - Fabrication Practicums 2 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 22, WLD 24, WLD 26, WLD 40, WLD 154
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/51 hours Lab
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.

WLD 26 - Symbol Reading, Blue Print Interpretation and Computations 3 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 22, WLD 24, WLD 25, WLD 40, WLD 154
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/102 hours Lab
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.

WLD 28 - Mig and Tig Arc Welding 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 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: CSU 17 hours Lecture/102 hours Lab
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.

WLD 30 - Heavy Plate Welding 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 32, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/102 hours Lab
This course includes the shielded metal arc welding (SMAW) processes and the flux cored arc welding (FCAW) Process, in the flat, horizontal, vertical and overhead positions on heavy plate (3/4" to 3" thick). It will also include safety procedures, electrode identification, joint fit-up and alignment, base metal preparation, weld quality, and beads, with focus on theory and practice.

WLD 32 - Integrated Welding Applications 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 34, WLD 36, WLD 42, WLD 56, WLD 156
Transfer Status: CSU 17 hours Lecture/102 hours Lab
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.

WLD 34 - Pipe and Tube Welding 4 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 36, WLD 42, WLD 56, WLD 156
Transfer Status: CSU 17 hours Lecture/153 hours Lab
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).

WLD 36 - Welder Qualification 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 42, WLD 56, WLD 156
Transfer Status: CSU 17 hours Lecture/102 hours Lab
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.

WLD 40 - Welding Equipment Maintenance and Service 2 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 154
Recommended Prep: Reading Level III; English Level II; Math Level II
Transfer Status: CSU 17 hours Lecture/51 hours Lab
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.

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 See page 241

WLD 99 - Work Experience-WLD See page 243

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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD 152 - Shop Practices for Intermediate Welders 0.5 - 1 Unit(s)
Prerequisite(s): WLD 20
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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD 154 - Shop Practices for Welders I 1 - 2 Unit(s)
Prerequisite(s): WLD 21 and NCCER Level I Welding Qualification
Co-requisite(s): WLD 22, WLD 24, WLD 25, WLD 26, WLD 40
Recommended Prep: Reading Level III; English Level II; Math Level II
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. Students may enroll in this course up to 2 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD 156 - Shop Practices for Welders II 1 - 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 42, WLD 56
Recommended Prep: Reading Level III; English Level II; Math Level II
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. Students may enroll in this course up to 2 units to complete the entire curriculum of the course. 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 25.5 - 51 hours Lab
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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. 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 12.75 - 51 hours Lab
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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. 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 51 - 102 hours Lab
This is a supervised lab experience to help prepare students to meet the required standard for qualification papers in welding codes using American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) specifications. Students will practice skills in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux core are welding (FCAW), and gas tungsten arc welding (GTAW), in all positions on plate and pipe, in preparation for weld performance tests with certified welding inspectors (CWI) or contractors. Students may enroll in this course up to 2 units to complete the entire curriculum of the course. 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 51 - 102 hours Lab
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. Students may enroll in this course up to 2 units to complete the entire curriculum of the course. 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 12.75 - 51 hours Lab
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. Students may enroll in this course up to 1 unit to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

Work Experience (WKE)

99-Work Experience 0.5 - 8 Unit(s)

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 each sixty hours of unpaid work experience (30-480 hours unpaid) or seventy-five hours of paid work experience (37.5-600 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience (Career and General, with not more than six in General). Students may enroll in this course up to 16 units to complete the entire curriculum of the course.

WKE 198 - General Work Experience 0.5 - 6 Unit(s)

Prerequisite(s): Permission of Cooperative Work Experience Education advisor/instructor and employment supervisor
Transfer Status: NT
General Work Experience (GWE) is an on-the-job educational experience designed to help students develop the skills and knowledge necessary to enhance success in present and future employment. The job need not be related to the student's educational program. Students may earn one semester unit of college credit in this course for every sixty hours of unpaid work experience (30-360 hours unpaid) or seventy-five hours of paid work experience (37.5-450 hours paid). Students may earn a maximum of sixteen units for all types of Work Experience (Career and General, with not more than six in General). Students may enroll in this course up to 6 units to complete the entire curriculum of the course. Pass/No Pass only.

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Nursing
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B.S.N., CSU, Chico

Cluver, Theodore (2015)
Mathematics
B.S., M.S., CSU, Chico

Coleman, Jennifer (2014)
Director, Statewide Programs, CCCTC
A.A., Mendocino Community College
B.S., M.B.A., CSU, Sacramento
Ed.D., Drexel University

Conrad, Douglas (2010)
Automotive Technology
A.A., University of Phoenix

Cooper, David (1989)
Chairperson, Arts, Drama
B.F.A., M.F.A., UC, Santa Barbara

Corona, Emily (2015)
Biological Sciences
B.S., M.S., CSU, Long Beach

Cousineau, Randy (2013)
Geography Instructor
B.S., Stephen F. Austin State University
M.A., CSU, Chico

Craig, Susan (2005)
Chairperson, Nursing
B.S.N., M.S.N., CSU, Chico

Critchfield, Russ (1998)
Kinesiology, Men's Basketball Coach
B.A., UC, Berkeley
M.A., Saint Mary's College

Curtis, Myron (2015)
Deputy Sector Navigator, ICT-Digital Media
B.A., CSU, Chico

Dahl, Cristina (2009)
English, Honors
B.A., M.A., CSU, Chico
M.A., Ph.D., Cornell University

Dahlgren, John (2010)
Drafting, Chairperson, Sustainable Technologies and Computer Science and Design
B.S., CSU, Chico

Davis, Donna (2000)
Respiratory Care
A.S., Butte College

Day, Tina (2016)
CAS Learning Resource Specialist
B.A., M.S., CSU, Chico

DeLaby, Lisa (2002)
Director, Institutional Advancement
B.A., CSU, Chico

Delzompo, Louis (2015)
Chief Technology Officer, CCCTC
B.S., University of San Francisco
M.B.A., Worcester Polytechnic Institute

DeMaggio, Steven (2010)
Director, Auxiliary Services
B.A., CSU, Chico

Dev, Sanjay Kumar (1990)
Mathematics
B.S., M.S., CSU, Chico

Dillard, Jaimie (2010)
Director, DSPS
A.S., Pima Community College
B.S., University of Arizona
M.S., CSU, Sacramento
M.A., The George Washington University

Donnelly, Brian (2007)
Career Counseling
B.A., UC, Santa Cruz
M.S., University of La Verne

Donnelly, Daniel (2002)
Chairperson, Digital Arts and Design, Multi-Media

Dorsett, Maggi (2002)
Food and Nutrition
B.A., Eastern Oregon University
M.S., Portland State University

Dressen, Bradley (2003)
Automotive Technology
A.S., Butte College

Duke, Lisa (1996)
Mathematics
B.S., CSU, Chico
M.A., University of New Mexico

Edwards, Vance (2014)
Program Coordinator, Foster Youth Support
A.A., Philadelphia Community College
B.A., CSU, Sacramento
M.S.W., CSU, Chico
M.A., Humboldt State University

Elke, David (2015)
Music
B.A., M.A., CSU, Chico

Emmons, Molly (2005)
English Instructor
B.A., University of Oregon
M.A., UC, Davis and Portland State University

Enyeart, Bruce (1996)
Mechanized Agriculture
B.S., Washington State University
M.A., CSU, Chico

Fanucchi, Jonathan (2015)
Project Manager
B.S., CSU, Chico

Ferguson, Colin (2002)
Geology, Physical Science
A.S., Butte College
B.S., CSU, Chico
M.S., Southern Arizona University

Fischer, Linda (2015)
Computer Science
A.S., Butte College

Fredericks, Kelly (2013)
English Instructor
B.A., Sonoma State University
M.A., CSU, Chico

Fukumoto, Randall (2013)
Mathematics Instructor
B.A., CSU, Long Beach
M.A., University of Houston

Gallagher, Laurie (2016)
Transfer Center Counselor
B.A., M.A., CSU, Chico

Gantt, Ileana (1996)
Spanish
B.A., M.A., CSU, Chico

Geary, Rudolph (1991)
EOPS Counselor
B.A., UC, Davis
M.A., Humboldt State University

Germar, Tia (2016)
Reference Librarian
B.A., San Francisco State University
M.A., San Jose State University

Gibbons, Frances (2001)
English, Honors
B.A., Pedagogico Nacional, Venezuela
M.A., Columbia University
Ph.D., University of Florida

Goodson, David (2001)
Retention Specialist
B.S., CSU, Chico
M.A., Chapman University

Gonzalez Cuadros, Irma (2013)
Child Development and Family Relations
B.A., M.A., Pacific Oaks College

Gripenstraw, Suzanne (2006)
Interim Dean, Student Learning
B.A., University of Arizona
M.S., CSU, Hayward

Grothe, Thomas (2005)
Communication Studies
B.A., CSU, Chico
M.A., San Francisco State University

Gunn, Lisa (2006)
Chairperson, Respiratory Care
B.A., Northern Illinois
M.P.A., College of Notre Dame

Hammond, Steve (2008)
Counselor
B.A., UC, Santa Cruz
M.S.W., San Jose State University

Hartman, Dena LaRee (2001)
Accounting
A.A., Butte College
B.S., M.B.A., CSU, Chico

Hartt, Phoebe (2006)
Chairperson, Remedial Mathematics
B.A., MA., CSU, Chico

Haslem, Marshall (2001)
Fire Science
B.S., CSU, Chico
M.S., Cal Poly, San Luis Obispo

Hauser, Juilet (2000)
Chairperson, 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 Instructor, Grants
M.S., Walden University
B.S.N., CSU, Chico

Henson, Leslie (1998)
Co-Chairperson, Language Arts, 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

Hicks, Bruce (1988)
Chairperson, Agriculture
A.A., College of the Redwoods
B.S., M.S., Cal Poly, San Luis Obispo

Hoiland, 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

Holland, John R. (1998)
Administration of Justice
B.A., Saint Mary's College
M.A., Chapman University

Holt, Robert (2005)
Chairperson, Automotive Technology
A.A., Butte College

Hovsepian, Vahan (2005)
Psychology
B.A., University of Southern California
M.A., Pepperdine University

Hutton, Terri (2003)
Chairperson, 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

Johnson, Linda (2003)
Psychology
B.A., Western Washington University
M.A., CSU, Chico

Johnson, Tracy (2001)
Co-Chairperson, Language Arts
Coordinator, Honors Program
B.A., M.A., UCLA
Ph.D., University of New Mexico

Jones, Kim (1988)
Assistant Director, Facilities Planning and Management
A.S., Butte College

Jordan, Jeffrey (2006)
Head Football Coach, 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, Chairperson, LEAD
B.A., M.A., CSU, Chico

Kem-Rivera, Toladette (2016)
DSPS
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

Klotz, Sarah (2015)
English
B.A., College of William and Mary
M.A., Ph.D., UC, Davis

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

Lavin, Saundra Hayano (1998)
EOPS Counselor
B.A., M.A., CSU, Chico

Lechner, Gary (2008)
Chairperson, Biological Sciences
B.S., M.S., CSU, Chico

Lewis-Onstot, Susan (2015)
Nursing
B.S.N., CSU, Long Beach

Lillie, Penny L. (1995)
Physical Science, Chemistry
A.A., Butte College
B.A., M.S., CSU, Chico

Lloyd, Tierra (2015)
Mathematics
B.S., BYU
M.S., CSU, Chico

Lodewyk, Michael (2015)
Chemistry
B.S., Ph.D., UC, Davis

Lybbert, Jeannie (2002)
Assistant Director, Financial Aid and Veterans Services

Maclean, Gina (2013)
Respiratory Care Instructor
B.A., Oregon Institute of Technology

MacKinnon, Katherine (2003)
LEAD, Reading
B.A., University of the South, Tennessee
M.S., Georgia State University
Ph.D., Northern Arizona University

Madaro, Francesco (2014)
Engineering
B.S., M.A., University of Salento, Italy
Ph.D., Norwegian University of Science and Technology

Maday, Randy (1993)
Health, Kinesiology, Chairperson, Athletics Law Enforcement Academy
B.A., M.A., CSU, Chico

Maloney, Michael (2012)
Director, Public Safety Education and Training
A.A., Butte College
B.A., St. Mary's College

Martine, Corinne (2009)
Program Administrator, Foundation
B.A., CSU, Chico

Masterson, Thomas (1996)
Political Science
B.A., UC, Santa Barbara
M.A., Ph.D., Claremont Graduate University

Matiasek, Michael (2012)
Biological Sciences
B.A., University of Colorado Boulder
Ph.D., UC, Davis

Mavis, Mark (2002)
Chairperson, Mathematics
B.A., M.S., CSU, Chico

McCabe, Deborah (2015)
Communication
B.A., UC, Berkeley
M.A., CSU, Chico
J.D., University of Iowa

McCartney, Cynthia (2006)
Project Manager
A.A., Lassen College, Brooks College
B.A., CSU, Chico

McCurry, Debra (2005)
EOPS Counselor
B.A., M.S., CSU, Chico

McIntyre, Karen (2000)
Counselor
A.A., Yuba College
B.A., M.S., CSU, Chico

McKinnon, Mark (1998)
English
B.A., M.A., CSU, Chico
Secondary Teaching Credential, St. Mary's College

McSpadden, Marie (2002)
Scheduling and Curriculum Analyst
B.A., CSU, Chico

Medina, George (2000)
Automotive Technology

Meier, Alexandra (2003)
Art History, Art
B.F.A., M.A., CSU, Chico

Meyer, Laurie (2013)
Nursing Instructor
B.S.N., CSU, Chico
M.A., Western Govenors 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, CCC Technology Ctr
B.A., M.A., Azusa Pacific University

Miley, Taressa (2010)
Director, CTE Grants and Regional Projects
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)
Environmental Horticulture, Agriculture
B.S., M.S., CSU, Chico
Ph.D., Texas A&M University

Mox, Andrea (2013)
Manager, Information Technology
B.A., CSU, Chico

Munson, Kelly (2002)
Advisor, Associated Students and Student Activities
B.S., Cal Poly, San Luis Obispo
M.Ed., Antioch/New England Grad School

Nash, Kristie (2002)
Manager, Contracts/Risk Management
B.S., University of Phoenix

Nelson, Jennifer (2015)
Business
B.A., M.B.A., CSU, Chico

Nichols, Lisa (2003)
Chemistry
B.S., CSU, Chico
M.S., Stanford University

Nuzum, Julie (2010)
Special Education
B.A., Simpson University
M.A., CSU, Chico

Oberle, Eric (2013)
Mathematics Instructor
B.A., San Diego State Universiy
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, Ann (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)
Chairperson, 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

Rapozo-Davis, Laura (2005)
Communication Studies
B.A., University of San Francisco
M.A., CSU, Chico

Rau, Heather (1990)
Scheduling and Curriculum Analyst
A.S., Butte College

Reilly, Michael (2015)
Data Scientist
B.A., Creighton University
M.A., California University of PA

Reilly, Patricia (2000)
Nursing
B.S.N., San Diego State University
M.S.N., CSU, Dominguez Hills

Reinbold, Brian (2001)
Physical Science
B.S., CSU, Chico
M.S., San Jose State University

Renville, Allen L. (1976)
Vice President, Student Services
B.S., M.S., University of Oregon

Retes, Nancy (1991)
EOPS Counselor
B.A., San Francisco State University
M.S., CSU, Sacramento

Reynolds, Debra (1989)
Coordinator, Counseling
A.A., San Joaquin Delta, Stockton
B.A., CSU, Sacramento
M.A., CSU, Fresno

Rigsbee, Craig (1987)
Director, Athletics, Kinesiology
B.S., Utah State University
M.A., CSU, Chico

Riley, Mimi (2001)
Sociology
B.A., UC, Berkeley
M.A., UC, San Diego

Roberson, Carrie (2003)
Child Development, Life Management
B.A., CSU, Chico
M.A., National University, Sacramento

Robinson, Donald (2003)
Chairperson, Welding
A.S., Butte College
B.S., CSU, Chico
M.S., Cal Poly, San Luis Obispo

Robinson, Trevor (2012)
Welding
A.S., A.A., Butte College

Rodriquez, Raymond L. (1990)
Transfer Counseling Center Coordinator
A.A., Butte College
B.A., CSU, Chico
M.A., John F. Kennedy University, San Luis Obispo

Rose, Sonya (2011)
Nursing
B.S., UC, Davis
B.S.N., CSU, Sacramento

Sathrum, Luke (2013)
Computer Science Instructor
B.S., Humboldt State Universiy
M.S., CSU, Chico

Scott, Kim (2016)
Career Life Planning, CalWORKs
B.A., M.P.A., CSU, Chico
M.S., University of LaVerne

Senat, Simone (2000)
Fine Arts
B.A., UCLA
M.F.A., San Jose State University

Shinar, Tammera (2015)
Director, Financial Aid and Veterans Services
B.S., University of Phoenix
M.B.A., Devry University, Keller Graduate School of Management

Shippen, David (2015)
Director, Statewide Programs, CCCTC
A.A., Butte College
B.A., M.P.A., CSU, Chico

Sicke, Rachel (2013)
Counselor
B.A., M.S.W., CSU, Chico

Sills, John (2014)
Prgram Manager, CCC Technology Ctr
B.A., CSU, Stanislaus

Slaughter, Clinton (2002)
Dean, Student Services
B.A., M.P.A., CSU, Chico

Sloan, Sandy (2008)
Business Computer Information Systems
A.A.S., B.S., Ph.D., Southern Illinois University Carbondale
M.P.A., CSU, Eastbay

Smith, Jonathan (2005)
Nursing
B.S.N., CSU, Chico
M.S.N., San Francisco

Smith, Michael A. (2015)
Allied Health, Chairperson, EMS
A.S., Butte College
B.A., CSU, Chico

Smith, Michael S. (2015)
Reference Librarian
B.S., Gannon University
M.L.S., San Jose State University

Snodgrass, Richard (2014)
Project Manager
B.A., Ohio State University

Soldate, John (2006)
Counselor
A.A., Santa Rosa Junior College
B.A., M.A., CSU, Chico
M.S., University of Southern California

Springer, Heather (2014)
English
B.A., Linfield College
M.A., Northern Arizona University

Squires, Miya (1996)
Coordinator, Center for Academic Success
B.A., M.A., CSU, Chico

St. Cin, Steven (2001)
Counselor
B.A., UCLA
M.S., CSU, Hayward

Stagner, Brenda (2008)
Chairperson, Foods and Nutrition
B.A., M.S., CSU, Chico

Stewart, Trevor (2006)
Director, Business Services
A.A., West Valley College
B.S., CSU, Chico

Suleski, Andy (1996)
Vice President, Administration, Chief Business Officer
A.A., Yuba College
B.S., CSU, Chico
M.B.A., CSU, Sacramento

Sun, Dakuan (2005)
Mathematics
M.E.D., M.S., Ph.D., Ohio University

Taskiran, Ayse (2005)
Anthropology
M.A., Indiana University
Ph.D., UC, Riverside

Taylor, Cheryl (2014)
Manager, Grants Research and Development
B.S., CSU, Chico

Terra, Jill (2013)
Biological Sciences Instructor
B.S., University of Iowa
Ph.D., UCLA

Thompson, Dorene (2003)
Business Computer Information Systems
B.A., CSU, Sacramento
M.A., University of Phoenix

Tornay, Robyn (2014)
Project Manager
B.A., M.A., CSU, Sacramento

Trento, Jason (2000)
Physics, Physical Science
B.S., CSU, Chico
M.S., UC, Davis

Trolinger, Christine (2002)
Co-Coordinator, Student Learning Outcomes, Chairperson, Sociocultural Studies, History
B.A., Angelo State University
M.A., Texas Tech University

Trolinger, John Boyd (2001)
Co-Curriculum Committee Chairperson, Co-Coordinator, Student Learning Outcomes
B.A., University of Texas
M.A., Texas Tech University

Troxel, Shannan (2015)
Communication Studies
B.A., M.A., CSU, Chico

Turner, Charles A. (1993)
History
B.A., UC, Riverside
M.A., UCLA
J.D., Newport University

Vader, Seth (2016)
Welding Technology
A.S., Butte College

Valle, Heather (2015)
Psychology
B.A., M.S., CSU, Chico

Vandereyck, Julia (2015)
Director, Child Development Center
A.A., Butte College
B.A., Pacific Oaks College

Vela, Mario (2002)
Coordinator, Athletics, Kinesiology
A.A., Napa Valley College
B.A., University of the Pacific
M.A., CSU, Fresno

Vogel, Shaaron (1996)
Vocational Nursing
B.S.N., CSU, Chico
M.S.N., CSU, Dominguez Hills

Wakim, Suzanne (2004)
Biological Sciences
B.S., Loyola University
M.S., UC, Davis

Wallace, Marty (2013)
Chemistry Instructor
B.S., Portland State University
M.S., CSU, Chico

Wannenmacher, Elizabeth A. J. (1992)
Chemistry
B.S., UC, Berkeley
Ph.D., UC, Davis

Ward, Teresa (2000)
Chairperson, First Year Experience, Coordinator, Professional Development, LEAD, Reading
B.A., UC, Davis
M.A., CSU, Chico
Ed.D., Grambling State University

Weaver, Donna Dreher (1987)
Dean for Student Learning
B.A., Tufts University
M.S., Wheelock College
M.B.A., Northwestern University

Wentzell, Justin (2010)
Chairperson, Foreign Language
B.A., M.A., Northern Arizona University

White, Andrea (2013)
Biological Sciences Instructor
B.S., CSU, Chico
M.S., University of Illinois

White, Robert (2008)
Engineering, Physics, Co-Curriculum Committee Chairperson
B.S., CSU, Chico
M.S., Ph.D., University of Illinois at Urbana-Champaign

Whitmore, Warren (2016)
Program Manager, CCC Technology Ctr
B.A., CSU, Chico

Wilmarth, Jared "Tip" (2001)
Coordinator, Environmental Horticulture, Agriculture
A.A., Butte College

Wittsell, Rick (2012)
Natural Resources
B.S., M.S., CSU, Chico

Wood, Christine (1998)
Chairperson, Social and Behavioral Sciences, Psychology
B.A., 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

Wren, Anthony (1980)
Chemistry, Fire Technology
B.S., M.A., UC, Santa Barbara

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

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

Blanchard, Dr. Gerald L. (1968-1988)
Music

Boyer, Milton (1981-1992)
Dean of Instruction

Brandstatt, Dr. Gerald (1988-2003)
Computer Science, Drafting, Engineering

Briggs, Jack (1971-1995)
Deputy Superintendent for Business

Brilts, Juri (2005-2013)
Grants Manager

Brown, Margaret (1986-2003)
Assistant Dean, Instructional and Community Services

Brown, Sue (1988-2009)
Human Resources Analyst

Brown, Wendy (1991-2013)
Language Education

Buchanan, Sharon (1986-2004)
Administrative Assistant

Buzza, Windsor M. (1971-2003)
Automotive Technology

Carpenter, Neil (1988-2000)
Mathematics

Carrozza, Raymond D. (1968-1988)
Dean of Instruction

Carver, Richard (1972-2008)
Supervisor, Transportation, Maintenance, Grounds

Cassell, Mary (1975-2005)
Physical Education, Chemistry

Chandler, Jerry Kirsch (1987-2008)
Reading

Chapman, Joyce (1992-2002)
Court Reporting, BCIS

Chase, Cathy (1995-2012)
English as a Second Language (ESL)

Clark, Jean (1981-2006)
Language, Education and Development (LEAD), Reading

Clark, Linda (1973-2006)
Nursing

Clark, Richard Allen (1968-1992)
Spanish

Clark, Richard H. (1970-1997)
Physical Science, Chemistry

Cole, Suzie (1992-2010)
Administrative Secretary

Consol, Dr. Alfred (1968-1995)
Humanities, Language Arts, Foreign Languages

Cremer, Doug (2001-2013)
Director Information Technology

Cress, Frank (1987-2000)
Business Education

Cripe, Jo Anne (2000-2016)
Child Development/Life Management/ First Year Experience

Cunningham, Bob (1988-2000)
Automotive Technology

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

Drane, Dalan (1970-1988)
Agriculture, Farm Production, NaturalResources

Druley, Robert (1968-1997)
Administration of Justice

Dryden, Maureen (1991-1995)
Reference Librarian

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

Eggert, Steven (1974-2001)
Physics

Ekins, Dr. Roger (1986-2009)
English

Erwin, Keith (1967-1986)
Business

Evans, Arlene (1983-1987)
Vocational Nursing

Felling, Nancy (1986-1993)
Public Information Officer

Ferretti, Remo (1968-1992)
Physical Education, Recreation, Health

Flesher, Douglas D. (1970-1992)
Agriculture

Flores, Rudy (1993-2013)
Dean of Instruction

Forsmith, Julianne (1969-1997)
Language Arts, Drama, Speech

Franchi, Laureen (Reenie) (1989-2016)
Payroll Technician

Garten, Dorothy M. (1970-2003)
Business Education

German, Barbara (1971-1997)
Food Service Manager

Gish, Carole (1993-2008)
Director of Admissions and Records

Goberstein, Faina (1983-2012)
Mathematics

Gordon, Beverley (1978-2003)
Business Computer Information Systems

Gray, Dr. Donald, M. (1989-2006)
Assistant Dean, Admissions and Records

Griswold, Nancy (1971-1996)
Executive Director, Butte College Foundation

Guffy, Annette (1984-2012)
Administrative Assistant

Hagen, Lyman (2001-2014)
Agriculture

Hamberg, Lorraine (1980-2012)
Admissions and Records

Hansen, Bonnie (1987-2010)
Administrative Secretary II

Hasson, Dian (1969-2010)
Political Science

Hemenway, Phillip (1977-2006)
English

Hicks, Carolyn (1987-2007)
Nursing

Hoffman, Glenn (1976-2011)
Sociology

Hoiland, Scot (1984-2013)
Geography

Holman, Howard "Pete" (1971-1998)
Dean of Instruction

Holt, Yolanda (1974-1998)
English as a Second Language

Hood, Bruce (1979-2000)
Speech

Hopkins, John B. (1969-1986)
Mathematics

Hradecky, Carolyn (1975-2000)
Assistant Director, Human Resources

Hradecky, Denton (1969-2000)
Director, Administrative Services

Hughart, Norm (1976-2010)
Business

Hughes, Margaret (1968-2005)
English

Hunter, Dee-Ann (1986-2003)
Supervisor, Shipping/Receiving and Print Shop

Hyde, Dennis (1980-2011)
Alcohol and Drug Studies

Jackson, Matthews, D. (1973-2006)
Vice President of Educational and Student Programs and Services

Jacobson, Herbert (2003-2013)
Agriculture

Johanns, Donald L. (1967-1990)
Librarian

Kamman, Barbara (1971-2004)
Physical Education

Kelly, Macy (1988-2013)
Nursing

Kostiz, Reggie (1982-2008)
Business Computer Information Systems

Kraemer, Angela (1998-2012)
English

Langdon, Robert (1976-1988)
Agriculture

Lanzavecchia, John (1969-1995)
Physical Education, Mathematics

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

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

Liddell, Michael (1969-2004)
Director, Physical Education and Athletics

London, Marty (1969-2005)
Business Education

Lucas, Kenneth N. (1968-1984)
Assistant Superintendent/Vice President, Student Services

Lugo de Arnsdorf, Gabriella (1998-2011)
Language Education and Development (LEAD)

Lyssy, Chet (1970-1998)
Physical Education

Machuga, Ric (1985-2016)
Philosophy

Manthey, Mae (1984-2002)
Language Education and Development (LEAD)

Martin, Robert (1975-1999)
Physical Education

Mason, Paul (1996-2013)
Biology

Matlock, Ernest (1976-1992)
Assistant Superintendent, Vice President for Instruction

Mattison, Dr. G. David (1989-2003)
Geology, Physical Science

Maxey, Barbara (1989-2008)
Assistant Dean, Contract Education

McKinnon, Gloria (1972-1998)
Office Information Systems

McManus, Beverly (1985-2010)
Supervisor, EOPS/CARE

McNelis, Steven (1976-2008)
Administration of Justice

Mead, Debbie (1988-2012)
Administrative Assistant

Milosevich, Silvia (1989-2008)
Foreign Language, Honors, English

Moore, Michael (1973-2000)
Supervisor, Campus Police

Morin, Romeo (1968-1998)
Counselor

Nakagawara, Quentin (1969-2001)
Agriculture and Natural Resources, (Hort)

Neath, Alice (1985-2004)
Mathematics

Nelson, Stevens (1968-2001)
Sociology

Newlin, Merlyn (1984-2008)
Career and Employment Services Career Center

Newman, Kathy (1973-2005)
Biology

Newman, Larry (1986-2004)
Dean, Instructional Services

Newman, Lena (1987-2000)
Administrative Assistant, Instruction

Oakes, Gary (1968-2006)
Mathematics/Computer Science

O'Connor, Thomas (1969-1992)
Dean of the Evening College

Olschowka, Helen Elaine (1968-1983)
Counselor

Osborne, John (1975-2010)
Language Arts

Ostrowski, Richard D. (1972-1988)
Asst. Superintendent/VP Student Services

Parker, Becky (1990-2010)
Account Clerk

Parker, John (1970-2005)
Supervisor Facilities

Pascale, Pat (1996-2008)
Shipping and Receiving

Pepperdine, Debra (1988-2008)
Human Resources Benefits Analyst

Petersen, Owen (1970-2001)
Agriculture and Manufacturing

Phillips, Lynn (1979-2009)
Nursing

Rasmussen, Mike (1977-2010)
Dean, Special Programs

Reeder, Wendell Lee (1980-1990)
Superintendent/President

Rice, Raymond (1968-1992)
Director of Maintenance and Operations

Riggle, Leonard L. (1968-1988)
Automotive Technology

Rivas, Margaret (1990-2004)
Director, Adult Ed and Community Services

Rodgers, Irene Fell (1971-1992)
Mathematics

Rogers, Dale (1968-2000)
Welding Technology

Rogers, Donald Edward (1968-1990)
Coordinator of Counseling

Rojas, Judith (1993-2010)
Spanish

Sawyer, Tom (1991-2010)
Sociology

Scheall, Lauren (1983-2000)
Nursing

Schlueter, Albert A. (1968-1979)
Superintendent/President

Schmidt, Jim (1974-2008)
English/Music/Journalism

Shannon, Ann (2003-2016)
Learning Resource Specialist

Sincoff, Steven (1998-2013)
Physical Sciences

Smith, Robert D. (1969-1995)
Physics

Snidow, Neal (1987-2009)
English

Snow, Sue (1980-2006)
Payroll Technician

Solomon, Daniel (1971-2005)
Respiratory Care Program

Speed, Ken (1985-2016)
Counseling

Spring, Helen (1968-1983)
Reference Librarian

Stanley-Hall, Carol (1975-2013)
Physical Education

Stull, Will (1991-2003)
Sculpture, Art Appreciation

Tappenbeck, Jim (1989-2003)
Learning Center Coordinator

Taylor, Karen (1999-2015)
Accounting

Thompson, Elaine (1974-1992)
Director of Accounting/Budget

Tibbitts, Donna (1989-2011)
Administrative Secretary II

Tilley, Ray (1969-1984)
Automotive Technology

Travis, Patricia (Patty) (2001-2015)
Administrative Secretary III

Van Dame, Maggie (1995-2010)
Manager, User Support Services

Van Der Ploeg, Dr. Diana (2003-2011)
Superintendent/President

Voyles, Hannie (1971-2000)
English

Walsh, Albert J. Jr. (1969-1986)
Art

Werner, Marianne (1996-2008)
English

Wheeler, Edward (1968-2000)
Anthropology

White, Jack (1970-1996)
Mathematics

Whitehouse, Dr. James M. (1997-2003)
Dean, Transfer and General Education

Winslow, Verla (1972-2009)
Counselor

Yarosevich, Katya (1988-2013)
Biology

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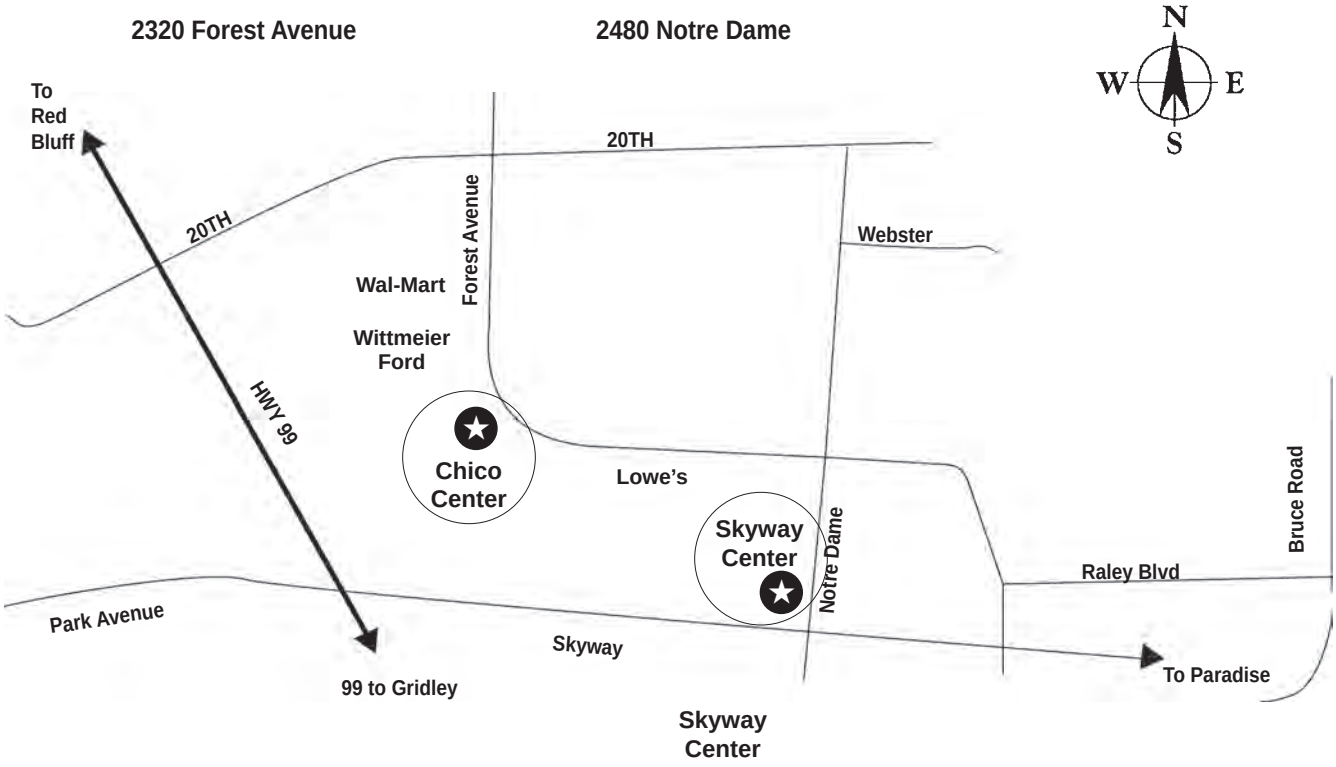
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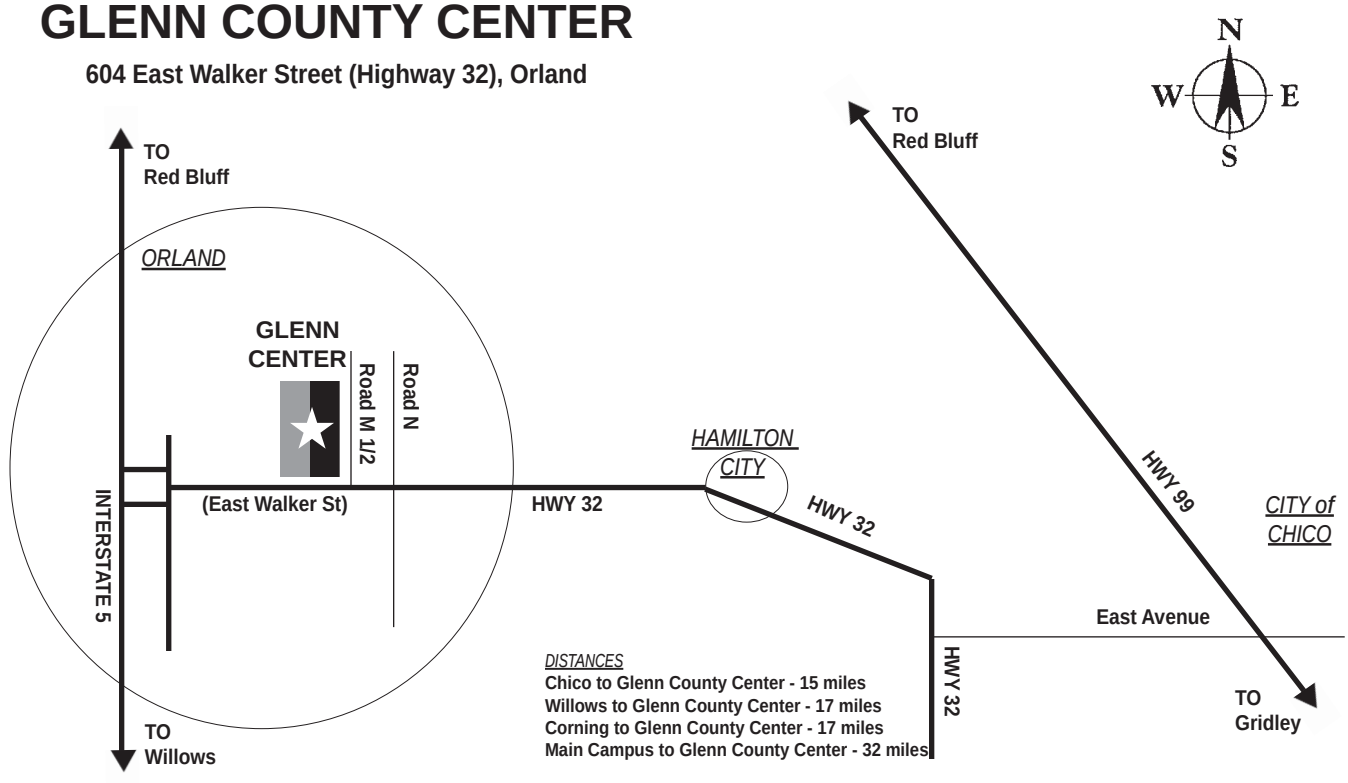
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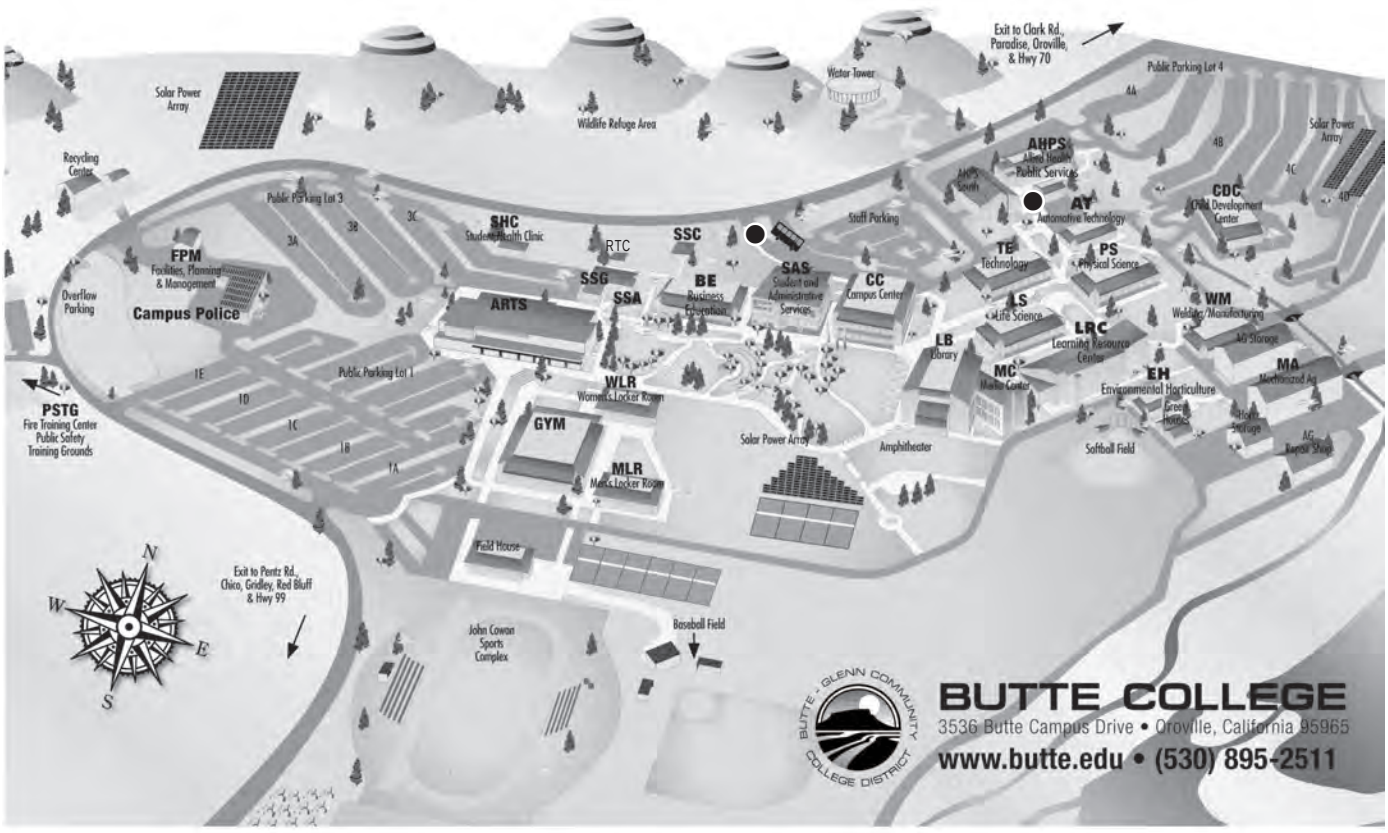
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GLENN COUNTY CENTER

604 East Walker Street (Highway 32), Orland





Butte College Main Campus Map, Listing of Buildings and Services

Administration ..... SAS
Admissions & Records ..... SAS
Allied Health/Public Service Center ..... AHPS
Arts ..... ARTS
Assessment /Testing Office ..... SAS
Associated Students CC
Athletic Office ..... WLR
Automotive Technology ..... AT
Broadcast & Electronic Services ..... MC
Bookstore CC
Business Office ..... SAS
Business Education ..... BE
Bus Loading/Unloading ..... 🚌
Cafeteria CC
Campus Center CC
Campus Information ..... SAS
Career Center ..... SAS
Car Pool Permits ..... FPM
Center for Academic Success (CAS) ..... LRC
Center for Excellence (CFE) ..... LB
Child Development Center ..... CDC
College Police ..... FPM
Counseling ..... SAS
Coyote Gallery ..... ARTS
Cultural & Community Center ..... SSF
Disabled Student Programs & Svcs (DSPS) ..... SAS
Extended Opportunity Program & Svcs (EOPS) SAS
Facilities, Planning & Management ..... FPM
Financial Aid ..... SAS
Fire Training/Tower/Public Safety Training ..... PSTG
Food Service CC
Foundation (Scholarships) ..... SAS
Gymnasium ..... GYM
Environmental Horticulture ..... EH
Human Resources ..... SAS
Job Placement ..... SAS
Learning Resource Center ..... LRC
Life Science ..... LS
Library, Reference Library ..... LB
Lost & Found ..... FPM
Mechanized Agriculture ..... MA
Media Center ..... MC
Men's Locker Room ..... MLR
Orientation ..... SAS
Kinesiology ..... GYM
Physical Science ..... PS
Print Shop ..... FPM
Regional Testing Center ..... RTC
Safe Place ..... SSA
Service Learning ..... SAS
Shipping & Receiving ..... FPM
Student & Administrative Services ..... SAS
Student Activities CC
Student Health Clinic ..... SHC
Student Learning, Office for ..... SAS
Student Welcome Center ..... SAS
Student Services CC
Sustainability Resource Center ..... SSG
Swing Space A ..... SSA
Swing Space C ..... SSC
Swing Space F ..... SSF
Swing Space G ..... SSG
Transfer Counseling Center (TCC) ..... SAS
Transportation ..... FPM
TRiO ..... SAS
Veterans Services ..... SSC
Technology ..... TE
Welding/Manufacturing ..... WM
Women's Locker Room ..... WLR
Designated Smoking Areas ..... ●