Butte College

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

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

Main Campus • 3536 Butte Campus Drive, Oroville, CA 95965
Glenn County Center • 1366 Cortina Drive, Orland, CA 95963
Chico Center • 2320 Forest Avenue, Chico, CA 95928
Skyway Center • 2480 Notre Dame, Chico, CA 95928
Cosmetology & Barbering Center • 2201 Pillsbury Road, Suite 170, Chico, CA 95926

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

Message from The President

Welcome to Butte College!

No matter your goal, Butte College is ready for you! Our college offers a wide variety of programs for first-time and returning students seeking to complete a degree or certificate through online or in-person classes at our locations in Butte and Glenn counties.

Approximately half of our educational pathways are in career education, allowing students to enter the workforce quickly if that is their goal. We also offer more than 30 associate degrees for transfer that guarantee students entry into a California State University upon completion. Butte College believes that every student's finish line looks different, and we strive to support completion in all its forms.

As a Hispanic-Serving Institution, Butte College prides itself on our commitment to providing high-quality education and support services to all who seek them. We serve approximately 13,000 students a year from diverse, intersectional communities. We embrace the importance of community and connection, offering 30 campus clubs and 12 athletic teams for students to join.

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

Butte College is committed to offering a challenging and supportive learning environment. We are so glad you are here!

Virginia L. Guleff
Superintendent/President

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Academic Calendar

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

Fall Semester 2025
August 25 – December 19

Fall Class Schedule at **www.butte.edu/schedule**	March 4
Registration appointments distributed in Self-Service	February 24
Registration begins	March 24
Instruction begins	August 25
Legal holiday	September 1
Last day to drop and receive a refund	September 7
Last day to add courses	September 7
Last day to drop w/o a "W" appearing on transcript	September 7
Last day to submit P/NP, Audit, and Credit by Exam petitions	September 26
Last day to withdraw with a "W" w/o instructor's signature	November 9
Legal holiday	November 11
Deadline to apply for graduation	November 25
Thanksgiving Recess	November 27-28
Non-instructional Saturday	November 29
Deadline to submit Pass/No Pass forms	December 12
Last day of instruction	December 12
Final examinations	December 15–19

Winter Session 2026
January 5 – January 23

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

Winter Class Schedule at **www.butte.edu/schedule**	TBD
Registration appointments distributed in Self-Service	October 6
Registration begins	November 3
Instruction begins	January 5
Last day to add courses	January 6
Last day to drop and receive a refund	January 5
Last day to drop w/o a "W" appearing on transcript	January 6
Last day to submit P/NP, Audit, and Credit by Exam petitions	January 10
Last day to withdraw with a "W" w/o instructor's signature	January 17
Legal holiday	January 19
Deadline to submit Pass/No Pass forms	January 23
Deadline to apply for graduation	January 23
Last day of instruction	January 23

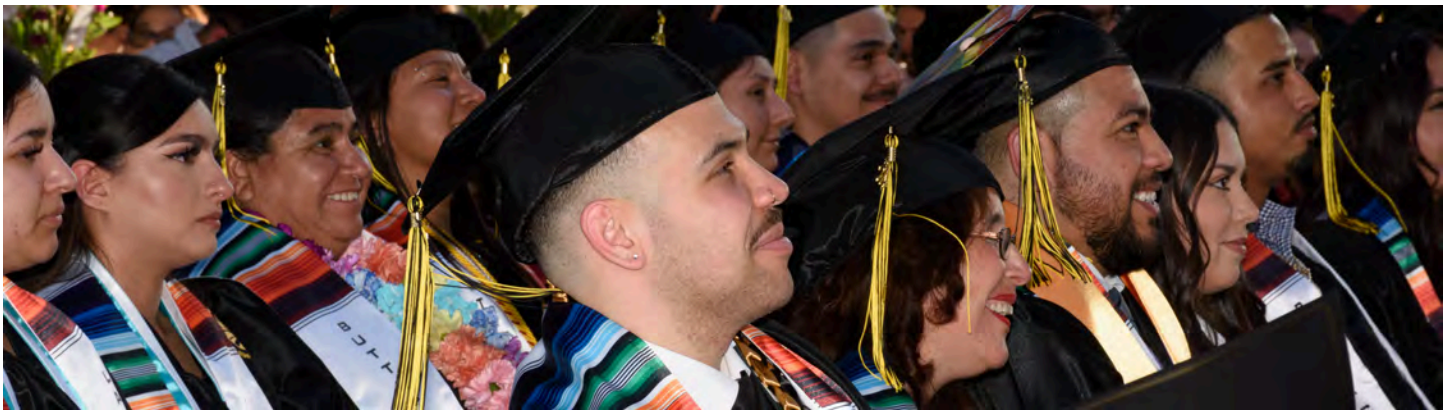
Spring Semester 2026
January 26 – May 29

Spring Class Schedule at **www.butte.edu/schedule**	TBD
Registration appointments distributed in Self-Service	October 6
Registration begins	November 3
Instruction begins	January 26
Last day to add courses	February 8
Last day to drop and receive a refund	February 8
Last day to drop w/o a "W" appearing on transcript	February 8
Legal holiday	February 13-16
Non-instructional Saturday	February 14
Last day to submit P/NP, Audit, and Credit by Exam petitions	February 26
Spring Break	March 16-20
Last day to withdraw with a "W" w/o instructor's signature	April 19
Deadline to apply for graduation/commencement	April 11
Last day of instruction	May 22
Deadline to submit Pass/No Pass forms	May 22
Legal holiday	May 25
Final examinations	May 26–29
Final graduation application deadline	May 30
Graduation ceremony	May 29

Summer Session 2026
June TBD – July TBD

Summer Class Schedule at **www.butte.edu/schedule**	TBD
Deadline to apply for graduation	TBD

About Butte College



Butte College serves approximately 13,000 students a year and is an accredited community college. Butte College offers a quality education and more than 200 degree and certificate programs. Students can earn associate degrees, train for career options, or take general education classes to transfer to a CSU, UC, or private university. Butte College has the highest transfer rate to CSU, Chico, and many of our alumni have successful careers in fire, nursing, law enforcement, welding, business, computer science, heavy equipment and more. The College also offers more than 30 degrees with guaranteed transfer to California State Universities.

The College's Mission and Vision

Mission Statement

Butte College is a student-ready, rural community college that provides high-quality, accessible education and support. Our career and transfer pathways cultivate curiosity and critical thinking through instruction, workforce training, and the achievement of associate degrees and certificates. Butte College is a Hispanic-Serving Institution that affirms its commitment to equity for the diverse, intersectional communities we serve.

Our Vision

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

Institutional Learning Outcomes

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

Think Critically

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

Communicate Competently

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

Engage Collaboratively

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

Work Effectively

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

A Leader in Sustainability

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

Butte College:

- Offers a Sustainability Studies certificate program
- Operates the largest bus transportation system of any community college in California
- Based on a five-year average, more than 78% of the power the District consumes comes from on-site solar production.
- Leadership in Energy and Environmental Design (LEED) Gold certification of the Arts Building and Student and General Services Building by the US Green Building Council
- Measure J Bond construction program requires all projects to meet or exceed Title 24 requirements with a goal to achieve Zero Net Energy from a combination of energy efficient design, materials, operation systems, and on-site energy production.
- Recycles 82% of its waste stream
- The District's water usage has been reduced 49% since 2013.
- The Agriculture Department gained organic certification on 26 acres.

Accreditation

Butte College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, **www.accjc.org** (415) 506-0234. This is 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, **www.cccco.edu** (916) 445-8752.

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

- Commission on Accreditation of Allied Health Education Programs **www.caahep.org** (727) 210-2350
- California Department of Public Health **www.cdph.ca.gov** (916) 558-1784
- Board of Registered Nursing **www.rn.ca.gov** (916) 322-3350
- Board of Vocational Nursing and Psychiatric Technicians **www.bvnpt.ca.gov** (916) 263-7800
- Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) **www.coaemsp.org** (214) 703-8445
- Commission on Accreditation for Respiratory Care **www.coarc.com** (631) 912-7920
- Commission on Peace Officer Standards and Training **www.post.ca.gov** (916) 227-3909
- Office of the State Fire Marshal **www.osfm.fire.ca.gov** (916) 568-3800
- U.S. Immigration and Customs Enforcement — Student and Exchange Visitor Program **www.ice.gov/sevis** (703) 603-3400
- National Automotive Technician Education Foundation (NATEF) **www.natef.org** (703) 669-6650
- Honda Professional Automotive Career Training (PACT) **www.hondapact.com** (310) 781-4294
- Board of Barbering and Cosmetology **www.barbercosmo.ca.gov** (800) 952-5210
- California Community College Athletic Association **www.cccaasports.org** (916) 444-1600
- California Commission on Teacher Credentialing (CCTC) **www.ctc.ca.govcredentials@ctc.ca.gov**

Non-Discrimination

Butte-Glenn Community College District does not permit discrimination or harassment in its programs or activities as stated in our Non-Discrimination Statement published in this Catalog and on our website. Information on our Discrimination and Bias Report Process can be found here: **www.butte.edu/currentstudents/reportbias/**.

The College's Advisory Committees

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

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

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

Butte College Foundation

The Butte College Foundation is a 501(c)(3) non-profit organization dedicated to ensuring the academic development and excellence of students through financial and other forms of support, such as scholarships. The Foundation also partners with campus programs to create fundraising initiatives that support the programs and services of Butte College. Donations to the Foundation support student success through scholarships and beyond. For more information, email the Foundation at **foundation@butte.edu** or visit **www.butte.edu/foundation**.

Our Campus and Centers

Butte College Main Campus

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

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

Students can take advantage of key student services including Career Counseling, Job Placement, Counseling & Advising, Transfer Counseling, Extended Opportunity Program and Services, Disabled Student Programs and Services, Sustainability Resource Center, Veterans Services, Culture & Community Center, Safe Place and Wellness Program, Student Health Clinic, Center for Academic Success, and more than 30 student clubs!

Chico Center

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

The Chico Center offers an extensive cross-section of day and evening courses. Classes are offered in communication studies, English, music, political science, history, psychology, geography, business, computer science, accounting, world languages, English as a second language, and more.

The Chico Center offers a broad range of student services including Admissions & Records, Financial Aid, Roadrunner Hub, EOPS, DSPS, as well as general and mental wellness counseling. The Chico Center Library and Support Services Center offers test proctoring, media/technical support in the classroom or labs (for students, faculty and staff), textbook circulation, reference librarians, smart group-study rooms, and assistive technology stations for DSPS students. The Center for Academic Success (CAS) offers tutoring. The student lounge hosts a variety of student activities and events, and boasts a large, covered outdoor patio area with charging ports for all your favorite electronics.

Glenn County Center

1366 Cortina Drive
Orland, CA 95963
(530) 895-2429 • www.butte.edu/glenncenter

The Butte College Glenn County Center, located in Orland, holds day and evening classes to serve the Glenn County area, including the communities of Orland, Willows, and Hamilton City. The Glenn County Center features a state-of-the-art science lab, computer lab, nursing labs and student lounge where students can complete the Healh Occupations Preparations program (pre-nursing), our recently expanded LVN program, and a broad range of GE courses that meet the requirements of all of our Associate degrees.

The Glenn County Center also houses student services such as Admissions & Records, Financial Aid, Counseling & Advising, and Orientation. Service providers from special programs such as EOPS, DSPS, Student Success Services, Safe Place, CASA, Native American Center, Inspiring Scholars, CAS, Mental Health, and the UndocuCenter meet with students by appointment.

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

Skyway Center

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

The Butte College Skyway Center offers the College's automotive technology program along with Economic Workforce Development Programs, including the Small Business Development Center (SBDC), The Training Place, and Foster Kinship Care Education Program.

The College's Economic Workforce Development Program serves the business community. The Training Place offers employee training, performance consulting, and continuous process improvement services for private and public organizations at the Skyway Center, Glenn County Center, and on-site employer locations. The Butte College Small Business Development Center (SBDC) offers one-stop business consulting and trainings to business owners and entrepreneurs in Butte, Glenn, Tehama, and Colusa counties. One-on-one business consulting is offered at no cost in all areas of business startup, development, management, growth, and access to capital. The Foster Kinship Care Education Program provides workshops for parents and care providers on discipline, health, community resources, guardianship, self-esteem, and other topics. Training programs and clinics are held to help those interested in becoming foster parents or guardians.

Cosmetology and Barbering Center

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

The Butte College Cosmetology and Barbering Center is located in Chico, CA and offers certificate and degree programs that prepare students for state licensing exams which lead to a wide range of cosmetology careers.

The Center houses the Butte College Salon and Spa, where students gain hands-on experience with cuts, styling, perms, color, manicures, pedicures, face and head shaves, mustache and beard trims, and skincare treatments for clients from the local community. Students are supported by a broad range of student services via phone, email, and online or in-person appointments.

Educational Opportunities

General Education, Career Programs, and Transfer Majors

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

Online Classes and Services

Butte College provides a variety of online courses that offer convenience and flexibility in the pursuit of educational goals. For more information on Distance Education courses, visit www.butte.edu/online, email de@butte.edu, or call (530) 879-4319.

General Education

General education at Butte College is designed to familiarize students with the foundation, exploration, and application of multiple areas of knowledge. General education provides an integrated program of study through which students can achieve measurable outcomes and is rooted in the college's mission to promote learning as a lifelong endeavor. General education involves much more than the acquisition of knowledge; it also involves using that knowledge to solve problems, reach academic and career goals, and achieve a deeper self-understanding.

Workforce Training and Development

The Training Place

The Training Place at Butte College responds to community needs by providing performance improvement solutions resulting in economic development, sustainability, and growth. Rapid response services are provided to assist employers by providing guided career pathways through professional development and upskill training to increase productivity and to attract and retain highly skilled employees.

The Training Place offers over 200 training programs through open enrollment classes as well as customized training for individual employees and teams. Certified trainers bring industry experience and practical application to upskill training.

Training is delivered in person at the Butte College Skyway Center in Chico, at the Butte College Glenn County Center in Orland, on site at employer locations, and online for remote workers. We offer a wide variety of training and classes including popular topics such as:

- Communication and Conflict Resolution Skills
- Diversity, Equity, Inclusion, Anti-Racism, and Accessibility
- Understanding Self and Others
- Computer: Excel - All Levels
- Writing: Business and Emails
- Human Resources and Labor Law
- Lean Principles and Continuous Improvement
- Practical Project Management
- Resiliency Skills
- Sexual Harassment Prevention
- Supervisor and Manager Skills
- Team Building
- Training Within Industry (TWI) Job Relations and Job Instruction
- Workplace Safety
- Safety Certification: OSHA 10, OSHA 30, Hazwoper, Flagger, Food Safety

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

Attending Butte College

Admissions

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

Open Enrollment Policy

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

Enrollment Restrictions

New College Students and New Transfer-In Students: New college students and new transfer-in students have enrollment restrictions until they have completed orientation and met with a counselor to create an education plan. Students should visit the Orientation website at **www.butte.edu/orientation** for additional details on how to complete orientation and register for classes. All applicants are urged to complete applications as early as possible.

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

Student Classifications

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

New Transfer-In Student: A student who is attending Butte College for the first time and has completed coursework at a college other than Butte College.

Continuing Student: A student who has attended the preceding Fall or Spring term. Continuing students receive priority registration times typically in March or April for Summer and Fall terms and October or November for Winter and Spring terms.

Returning Student: A student who has previously completed course work at Butte College and is returning after a lapse of time or enrollment at another college. Students returning to Butte College who have not attended for one year or more must submit a new application.

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

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

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

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

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

Quick Guide to Butte College Admission
3 Steps to Enrollment

1. APPLY FOR ADMISSION

Go to **www.butte.edu** and click on the “Apply Now” button. When you click on the "Begin My Application" button, you’ll be taken to the California Community College Chancellor's Office Open CCC Apply electronic application.

- **Create an Account or Log into CCC Apply:** Create your account using a personal email (not a school email) or log in if you already have an account. For more details, watch this video on how to create your CCC Apply Account: **youtube.com/watch**
- **Start a New Application:** Once logged in, Click "Start a New Application", and complete all required fields. For more details, watch this video on how to complete your application **youtube.com/watch**. If you need help completing your application, contact a Butte College recruiter by calling (530) 893-7467
- **Check Your Personal Email:** About a week after you submit your application, you will receive an email with your Butte College Student ID number, the username for your student email address, and a temporary password. Once you have this information, you can start the next steps listed below and log into Self-Service, Canvas, student email and much more. If you do not receive an email with your username and password, call Student Tech Support at (530) 895-2925 or email StudentTechSupport@butte.edu

2. SUBMIT A FINANCIAL AID APPLICATION

Complete a financial aid application. Doing so before you enroll may exempt you from the requirement to pay fees within 7 days.

- Free Application for Federal Student Aid (FAFSA), **www.studentaid.gov**, using the Butte College Federal School Code 006972 for U.S. citizens or eligible noncitizens.
- CA Dream Act Application (CADAA), **www.dream.csac.ca.gov**, for students with an AB 540 status.

First-time, full-time students who are California residents or AB540 may be eligible to receive the Butte College Promise Scholarship (BCPS) (**www.butte.edu/promise**) which covers tuition and fees for up to the first two years. You must have a financial aid application on file to qualify.

For step-by-step help, connect with us in our Virtual Help Lab, **www.butte.edu/financialaid/help**. You can also check out our Butte College Financial Aid YouTube channel or visit our website (**www.butte.edu/financialaid**) for more information.

3. COMPLETE ORIENTATION & COUNSELING

Orientation is a great way to become familiar with the campus, academics, registration, student services and student life.

- **New Students** attending college for the first time are required to attend **In-Person Orientation** where you will meet with a Counselor and register for classes.
- **Transfer Students** who have completed 24 or more units with a 2.0+ GPA from a college other than Butte are required to complete the **Online Orientation** and should schedule an appointment with a Counselor.

Visit the Orientation website at **www.butte.edu/orientation** for more information.

Enrollment Policies and Procedures

Application for Admission

All students who wish to attend Butte College are required to submit an Application for Admission to Admissions & Records, which can be done online at **www.butte.edu** by clicking on the "Apply Now" button. Returning students who have not attended Butte College for one year or longer are required to submit a new Application for Admission. Submitting an application does not require a student to register for classes.

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

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

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

Students who submit paper applications must contact Admissions & Records/Orientation at (530) 895-2511 for information on pre-enrollment activities.

Registering for Classes

Important registration dates and schedule links are available on the Academic Calendar, page 4 of this catalog. Searchable schedules can be found at **www.butte.edu/schedule**, or on the Admissions & Records website at **www.butte.edu/admissions** through the "Registration" link. All New College Students must complete an in-person orientation and register for courses online through their MyBC Self-Service portal. Transfer Students are required to complete the online orientation and should schedule an appointment with a counselor. See **www.butte.edu/orientation** for details and to sign up for orientation.

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

Continuing students may lose registration priority if:

- They earn more than 100 units at Butte College
- They are on Academic Notice for two or more terms
- They do not complete orientation, do not complete a Program Change Request form, and work with a counselor to create an education plan

Students register online through their Self-Service accounts. New students receive usernames, passwords, and instructions for accessing and using their Self-Service accounts via email shortly after being admitted. Students who do not receive an email must contact Student Technical Support at (530) 895-2925 Monday through Thursday from 8 a.m. to 5 p.m. and Fridays from 8 a.m. to 12 p.m. to receive their usernames and passwords. Computer labs are available at the Main Campus, Chico Center, and Glenn County Center free of charge for students who need access to computers. Students can call General Information at (530) 895-2511 Monday through Thursday from 7:30 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 into classes that have closed may receive a message providing them with an opportunity to place themselves on the waitlist. Students will automatically be enrolled from a waitlist when space becomes available and will receive an email notification to their Butte College email in their Self-Service account. Once classes begin, students must contact the instructor for authorization to add the class.

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

Add Authorization Period (First Day of Class Until the Last Day to Add)

An Add Authorization is required for registration into a course (some exceptions apply) on or after the day that section has started. To add a class during the Add Authorization period (first day of the class until the last day to add), students must request an Add Authorization from the instructor. If authorized to add, students will register for the class section through their Self-Service portal. An Add Authorization will allow the student to enroll in the class even if the section is full. All registration rules apply. Students must have already submitted an Application for Admission, received a Butte College ID number, and completed any necessary pre-enrollment activities. For information or assistance regarding registration and Add Authorizations, please call (530) 895-2511 or email **admissions@butte.edu**.

Choosing Alternates for Closed or Canceled Classes

Some courses may be closed without a waitlist option or canceled when students attempt to register for 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 Center, and the Glenn County Center. Students can call General Information at (530) 895-2511 to contact Counseling & Advising and schedule an appointment.

Programs with Special Registration Procedures

Special procedures are required for a small number of Butte College's vocational programs. Programs with special registration procedures and requirements include:

- Automotive Technology (530) 879-6013
  www.butte.edu/departments/careertech/automotive/get-started
- CA State Parks (530) 895-2402
  www.butte.edu/departments/careertech/publicsafety/state-park-ranger
- Fire (530) 895-2402
  www.butte.edu/departments/careertech/publicsafety/fire_academy
- Fish and Wildlife (530) 895-2401
  www.butte.edu/departments/careertech/publicsafety/fish_game
- Law Enforcement (530) 895-2401
  www.butte.edu/departments/careertech/publicsafety/law_enforcement
- Paramedic (530) 895-2402
  www.butte.edu/healthoccupations/
- Registered Nursing/Accelerated Track Registered Nursing (530) 893-7533
  www.butte.edu/healthoccupations/
- Respiratory Care (530) 893-7533
  www.butte.edu/departments/careertech/healthoccupations/
- Vocational Nursing (530) 879-6224
  www.butte.edu/healthoccupations/
- Welding (530) 895-2501
  www.butte.edu/departments/careertech/welding/apply

Students with questions about these programs should contact the specific department or Counseling & Advising to discuss requirements.

Residency Requirements

As a public community college under California law, Butte College is bound by certain legal requirements pertaining to residency 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 outside of California in the two years prior to applying for admission and wish to be considered for residency must complete a Residency Re-evaluation Form available from Admissions & Records. 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 those who hold non-immigrant visas (except for a T or U visa holder), may be entitled to an exemption of the non-resident fees by meeting the requirements of the California Nonresident Tuition Exemption (AB 540). Contact the Residency Technician at (530) 895-2546 or see **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 the 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 Admissions & 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. Detailed information on residency requirements, including California Education Code and Title 5 references, can be found in Butte College **Board Policy 5015**.

International Students

Under federal law, the College is also authorized to enroll nonimmigrant, international students. All non-resident and international students are charged a non-resident fee in addition to other fees. The international application is free. International students must follow the admission process listed on the Steps to Apply page at **www.butte.edu/services/international/apply**. Once application documents are received, the international program will confirm receipt of the application and offer the applicant assistance through the remainder of the application process. For questions about the international student admission process please contact **international@butte.edu**.

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 Programs and 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 Admissions & Records and the Dean of Students.

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 Vice President for Student Services Office and the Superintendent/President's Office. The log of persons and organizations requesting access to student records is maintained by Admissions & Records. If a pupil has attained the age of 18 years or is attending an institution of postsecondary education (including K-12 students simultaneously enrolled in Butte College

courses), the right to access records shall thereafter only be required of, and accorded to, the pupil.

Release of "Directory Information"

The following "Directory Information" may be released without student consent: student's name, participation in officially recognized activities and sports, weight/height of members of athletic teams, and 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 Admissions & Records in writing on the appropriate form at the beginning of each term the information is to be withheld.

Transcripts

Official transcripts of previous academic work in college are required from all students. These transcripts become part of the student's permanent file and will not be released or forwarded to other institutions. No previous academic work may be disregarded. Students should request that their former school(s) send an official transcript to Butte College. Any copy other than an official transcript is unacceptable. Students should be aware that schools may charge a fee to send official transcripts to Butte College.

Butte College official transcript requests must be made online. Official transcripts are available for sending in both paper and emailed PDF format. Direct electronic format is available for sending to select recipients. Instructions on how to have transcripts sent to other institutions from Butte College are available online at **www.butte.edu/services/admissions/transcipts-and-verifications**.

College Fees

California Community Colleges continue to be the primary entry point for those seeking to obtain associate 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 at reasonable costs.

Payments Due 7 Days from Time of Registration
Suspended for 2025-2026

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. Complete a financial aid application (FAFSA or CADAA) or provide proof of other financial assistance (scholarship, VA education benefits, patron agreement, etc.) to the Butte College Business Services Office. Students who can show proof of sufficient eligibility for financial assistance will be exempt.
3. Create a fee payment plan online.

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

Short-Term and One-Day Class Fee Payments

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

Fee Payments Made by a Patron

In cases where student's 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 Business Services Office before the drop for non-payment date. If the letter has already been submitted, students should contact the Business Services Office after registering to verify fees are being covered by the agency.

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

Making Payments

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

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

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, Visa, or MasterCard Monday-Thursday, 8 a.m. to 5 p.m., and Friday, 8 a.m. to 12 p.m. at Main Campus Admissions & Records. To pay at the Chico Center or Glenn County Center, please call ahead of time to determine business hours.

Payment Plan: Log in to Self-Service. Click on the "Financial Information" icon then select "Account Balance and Fees" and "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 Admissions & Records at the Main Campus, Chico, or Glenn County Centers. To be eligible for a refund, a regular term course must be dropped within the first two weeks of the Spring or Fall semesters. Short term classes must be dropped within the first 10 percent of the course’s duration to be eligible for a refund. Refunds are processed within 45 days of the refund drop date. Regulations permit districts to retain a maximum of $10 from enrollment fees as a refund processing fee.

Refunds for Course Disenrollment

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

Refunds for Class Cancellations

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

Financial Aid Students

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

Materials, Supplies & Equipment Fees

Materials fees are listed below specific class listings in the online 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 5, Section 59404.

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

Exceptions to this Policy

1. When 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. When a student prepares a useful item which they are permitted to keep, the student pays the District the cost of the materials used.
3. When 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. When courses such as art, crafts, and shop require special tools and/or supplies, the student is requested to purchase such items.
5. When equipment or uniforms are required in training for a certain profession and would normally be owned by the student, the student is requested to purchase such items.
6. When a piece of equipment is so unique that it typically would not be owned either by the College or a student, the student may be asked to rent or purchase such an item.

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

Quick Guide to Butte College Fees

Fees are subject to change without notice. Updated fees, program and policy information can be found in the online 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
Non-Resident Student Non-resident students are defined as non-U.S. citizen students. International students pay regular enrollment and service fees in addition to the international student fees.	$295 per unit Summer 2025, $340 per unit beginning Fall 2025

Miscellaneous Fees

Course Audit Fee For all students enrolling in a course on an approved audit basis. Students auditing a course may not change their enrollment in that course to receive credit. A student enrolled in classes to receive credit for 10 or more units may audit 3 or fewer units at no charge. No refunds are granted for dropping or withdrawing from audited courses.	$15 per unit
Materials, Supplies, and Equipment Fees Materials fees are listed below specific classes in the online course schedule	
Textbooks and Supplies Students purchase their own textbooks and supplies. The Butte College bookstore has all required items for sale. According to the California Student Aid Commission state average, students can expect to spend $1,089 for books and supplies in the 2025-2026 academic year.	

Service Fees

Transportation Fee — Required	
Students enrolled in 6 or more units	$88 per semester
Students enrolled in 1.1 to 5.9 units	$68 per semester

Service Fees

Students enrolled in .1 to 1 unit	$25 per semester
Transportation Fees are not charged in Winter and Summer Sessions.	
Health Services Fee — Required* *Students who depend exclusively upon prayer for healing are exempt from the Health Fee.	
Fall/Spring Semesters (regardless of unit load)	$27 per semester
Summer Session (regardless of unit load) (Fee will not be charged for Winter session)	$22 per session
Student Activities Fee — Optional* $18 pernsemester Fee includes Student Activity Card (not charged for Winter or Summer) *All students from all locations will be automatically charged, except for non-credit, K-12 students, and evening-only courses. Students will be eligible to receive a Student Activity Card and/or current validation sticker. This fee is optional. Exemptions/refund information is available by calling (530) 895-2391 or (530) 895-2428.	
Fee includes Student Activity card (not charged for Winter or Summer)	$18 per semester
Student Rep Fee — Mandatory* *Students may refuse to pay this fee for religious, political, financial, or moral reasons. For more information call (530) 895-2391 or (530) 895-2428. All Terms.	
All students	$2 per semester
Student Records Fees	
Replacement Diploma Fee (replacement for any diploma previously issued)	$15 per diploma
Transcripts/Enrollment Verification (limit two) Subsequent transcripts or enrollment verifications Online transcript requests	Free $8 $8 + $2.60

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, Federal 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. The Financial Aid webpage at **www.butte.edu/financialaid** is kept up to date with the most current information.

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

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, Federal Work-Study, and scholarships. Awarding of funds is based on eligibility, financial need, and the amount of funds available. Students must be enrolled in an eligible Butte College Academic Program with a valid Education Goal to be considered for financial aid. Students' Academic Programs and Education Goals are monitored throughout the semester for eligibility to receive federal and state funds. Some federal and state aid programs have time limits to their eligibility.

For more information, visit the Financial Aid Office in SAS 160, view our website at **www.butte.edu/financialaid**, or call (530) 895-2311. Other excellent resources are the Federal Student Aid website, available at **www.studentaid.gov**, and the California Student Aid Commission website, available at **dream.csac.ca.gov/landing**. These sites offer free and comprehensive information, advice, and tools to research financial aid.

Grants, Loans, Work-Study, and Scholarships

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

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

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

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

Fee Waivers

California College Promise Grant: Waives an eligible student's enrollment fees (tuition). California residents, eligible AB 540 students, and eligible AB 1899 students may apply. Residency, AB 540 status, and AB 1899 status is determined in Admissions & Records. Students who file a FAFSA or CADAA (only for AB 540 students) will automatically be considered for the CA Promise Grant and do not have to complete a separate application. Students who do not file either may access a Promise Grant application at **www.butte.edu/financialaid**. For more information, go to **www.butte.edu/freebc**. Also see additional information provided in the following catalog section.

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

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

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

California College Promise Grant

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

Qualifying for the CA College Promise Grant

Students who meet the following criteria may qualify:

1. The student is a current recipient of TANF/CalWORKs), SSI/SSP, or General Assistance. Dependent students are eligible if TANF/CalWORKs is the only source of parental income, even if the student is not on the CalWORKs grant.
2. The student has financial need, based upon Financial Aid Office review of the FAFSA or CA Dream Act Application (CADAA).
3. The student meets the published annual income standards (available online at: **icangotocollege.com** or **www.butte.edu/financialaid** under Types of Aid (California College Promise Grant).
4. The student is a victim of trafficking, domestic violence or other serious crimes as defined by AB 1899.

Applying for the CA College Promise Grant

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

Maintaining the CA College Promise Grant Eligibility

Promise Grant eligibility may be lost if the student is placed on academic and/or progress probation according to the guidelines set forth in the California Code of Regulations, Title 5, Section 58621. Notifications of Promise Grant status will be sent within 30 days following the end of the term that resulted in the Notice. Students may file a Loss of Promise Grant appeal form to have their eligibility restored for the term the loss occurred.

Students may lose the Promise Grant if:

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

For more information on the Promise Grant, view the Financial Aid website at **www.butte.edu/financialaid**. Click on "California College Promise Grant" under Grants > Types of Aid tab within the menu on the left.

Butte College Promise Scholarship

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

Qualifying for the Butte College Promise Scholarship

Students who meet the following criteria may qualify:

1. The student must be a California resident or eligible AB 540 student.
2. The student must complete the Free Application for Federal Student Aid (FAFSA) or CA Dream Act application (CADAA) before the Butte College Census Date of each semester and submit any mandatory verification requirements to the Financial Aid Office.
3. The student must enroll in and complete 12 or more units with at least a 2.0 GPA per term.

Applying for the Butte College Promise Scholarship

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

Standards of Satisfactory Academic Progress for Financial Aid Recipients

In accordance with federal regulations, it is the policy of the Butte-Glenn Community College District to provide financial aid assistance to those need-eligible students who are maintaining consistent progress towards an educational objective. Initial financial aid offers are based on need. Continued eligibility requires meeting the criteria for satisfactory academic progress. Transcripts from other institutions will be evaluated and applied to your Satisfactory Academic Progress (SAP) status based on how the transferred coursework aligns with your current program of study at Butte College.

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 for 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 session (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 science 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 attempts (DR grades excluded) toward their educational goal. Remedial units count when calculating Pace for SAP.

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

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

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

Time Frame: 'SAP' Quantitative Standard

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

Associate Degree Objective: maximum of 90 units

Transfer Objective: maximum of 90 units

Certificate of Achievement Program: maximum of 45 units

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

When A Student Does Not "Make SAP"

"Making SAP" means meeting all three criteria: (1) required minimum GPA, (2) required minimum Pace, and (3) completion of 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.

Students Right to Appeal for Extenuating Circumstances:

If a student loses their financial aid eligibility after Warning status, they may file an SAP Appeal with documented extenuating circumstances that interfered with their ability to make SAP. Students may request a second review for an appeal that is denied. Submission of an appeal does not guarantee reinstatement of a student's financial aid; therefore, students should be prepared to pay for their books and other school-related expenses pending the outcome of their appeal.

'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 their aid eligibility reinstated. Probation status is reviewed on a case-by-case basis and will not be granted automatically. A student may be placed on Probation for one semester only unless the appeal approval stipulates a graduated plan for improvement. Such a plan will not be granted unless it is possible for the student to meet GPA and Pace requirements within the required time frame.

Maximum Timeframe Status (MT): Students who exceed the maximum unit time frame for their educational goal will not be eligible for further financial aid. Students disqualified for exceeding the maximum time frame requirements may submit a Maximum Timeframe Appeal. Students who are failing to meet GPA and Pace standards will not be approved for a Maximum Timeframe Appeal.
To maintain financial aid eligibility, if a Maximum Timeframe Appeal is approved, the student may take courses only on that appeal and may not amend the appeal or submit a later appeal. The appeal will be considered nullified if the student does not meet GPA and Pace requirements.

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

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

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

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

- More than one repetition of a previously passed course
- Any repetition of a previously passed course due to the student failing other coursework required to be taken simultaneously
- Any repetition of a previously passed course for the sole purpose of gaining eligibility for financial aid

- Any repetition of a failed course taken during an approved Maximum Time Frame Appeal will not be eligible for financial aid

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

Regulations Pertaining to Loan Eligibility and Satisfactory Academic Progress

Repayment: Repayment of student loans is required by federal law, and begins when a student graduates, drops below 6 units in 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 request process with additional requests for information from Financial Aid. A course evaluation is required as part of the loan request process for all high-risk borrowers. These students should plan for a loan request delay as well as the possibility that their request may be reduced, canceled, or denied.

Keeping Your Financial Aid: Continuing eligibility for all types of student financial aid (including loans) requires meeting general eligibility requirements as established by the federal government (see How to Apply 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
3. Current enrollment in both an eligible Education Goal and Academic Program

Satisfactory Academic Progress includes all aided and unaided courses at Butte College 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 these periods of enrollment: Fall semester, Spring semester, and Summer session.

When a student withdraws from their courses, for any reason including medical withdrawals, they 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 Admissions & Records, SAS-179. Students should follow the official withdrawal policy as published in the Butte College Catalog, under Drops and Withdrawals.
- A student who ceases to attend without officially withdrawing is considered an "Unofficial Withdrawal." When a student does not follow the official withdrawal procedure and has ceased attending, an effective withdrawal date will be assigned by instructors at the end of the semester with an FW and the last date of attendance.

Calculation of Earned and Unearned Title IV Aid

Both Title IV aid recipients who complete the official withdrawal process or recipients who 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**. Click on "Return of Title IV Funds" under "Keeping Your Aid" within the menu on the left.

Student Services and Resources

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

Admissions & Records

(530) 895-2361 • Main Campus, located on first floor of SAS
www.butte.edu/admissions

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

Black Leadership and Cultural Center

(530) 895-2907 • SSG 102
blackcenter@butte.edu

The Black Leadership and Cultural Center (BLAC Center) is dedicated to supporting Black and African American student success by providing academic and personal support to create a sense of community.

Bookstore

(530) 895-2331 • Main Campus Bookstore: located in the Campus Center, lower level
www.bkstr.com/buttestore/home

The Butte College Bookstore is located on the main campus in Oroville, California and is operated by Follett Higher Education.

Textbooks can be purchased or rented in store or online. The Butte College Bookstore also carries a wide variety of apparel, gifts, general supplies, and graduation items that can be purchased online and in store. Visit the Butte College Bookstore website at **www.bkstr.com/buttestore/home**. Shipping and free in store pickup are available for all textbooks and general merchandise orders. The Bookstore also carries candy, sundries, and refreshments. Lab manuals and course packs are printed on campus by Butte College Printing Services and are available in the bookstore.

The Main Campus Bookstore is open Monday through Thursday, 8:00 a.m. to 4:45 p.m., Friday, 8:00 a.m. to 11:30 a.m.

Bus Transportation

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

Bus transportation is available to most students attending Butte College. Buses run scheduled routes from major cities in Butte County with routes connecting to Glenn Ride and B-Line. Bus schedules are available in the Welcome Center, Counseling & Advising, and Admissions & Records – all located on the first floor of the SAS building. The schedule is also available online 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 with their children.

Butte College Dining Services

(530) 879-6187 (Kitchen) • Campus Dining Center located in the Campus Center, main level
www.butte.edu/diningservices

Main Dining

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

Wired Café

- Full coffee bar service, smoothies, bagels, sandwiches, and healthy snacks
- Internet access

CalWORKs

(530) 895-2280 • SAS 258
www.butte.edu/departments/careercenter

Butte College's CalWORKs program (welfare-to-work) collaborates with County Employment and Social Services agencies to support parents who are CalWORKS 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 who seek an on or off-campus job. The program also offers grants to eligible students when funds are available.

Career Center

(530) 895-2280 • SAS 258
www.butte.edu/departments/careercenter

The Career Center assists with helping students obtain work experience through internships and jobs on and off-campus. The Center also assists with career exploration and planning to help establish career and academic goals.

The Center offers workshops and individual assistance with career assessments, labor market information, resume writing, cover letter writing, interview preparation, and the job application process. Students can get assistance with Financial Aid, Work-Study programs, and other forms of subsidized employment.

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

Center for Academic Success (CAS)

(530) 895-2386 • Learning Resource Center • CHC 230 (Chico Center) • GCC 113 (Glenn County Center)
www.butte.edu/cas

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

CAS offers free tutoring in many subjects. No appointment is necessary. For more information on tutoring and schedules, please enroll in EDUC 310 to access all our supports for the semester. It is free and zero units. 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 and EDUC 110). Students can receive one-to-one, individualized Academic Success Coaching from a Learning Resource Specialist (CAS faculty). Success Coaching empowers students to become more effective and efficient learners.

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

Group study rooms in CAS on the main campus are available for student use. Rooms can be reserved on a first come, first served basis. CAS offers laptops to borrow in our spaces for academic use.

Center for Access, Success and Achievement (CASA)

(530) 895-2348 • LRC 236
www.butte.edu/casa
casa@butte.edu

The Center for Access, Success and Achievement (CASA), provides students with the necessary support to successfully navigate higher education by offering social, emotional, and academic services. CASA is an equity program dedicated to centralizing Latinx and low-income students. Join CASA to find community, culture, and success. Discover everything that CASA has to offer:

- CASA Support Center
- Help with Financial Aid and Scholarship Applications
- Tutoring in partnership with CAS
- Peer Mentorship
- Transfer Planning and Assistance
- Career Exploration
- University Campus Tours
- Summer Jam
- Week Zero Partnership with MESA

Cooperative Agencies Resources for Education (CARE)

(530) 895-2555 • SAS 281 (inside the EOPS Office)
www.butte.edu/eops
eops@butte.edu

The CARE Program provides support services for single parents receiving cash assistance from the county for themselves or their child(ren). These services include grants, 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 at **www.butte.edu/eops**. Students enrolled in 9-11.75 units should contact the EOPS Office regarding application to the program.

Counseling & Advising Center

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

Counselors at the Counseling & Advising Center are available to provide students with a variety of valuable counseling services, including creating a student education plan, reviewing program maps, exploration of their interests, abilities, career and educational choices, scheduling, transfer planning, and resolution of personal issues. Counselors can also assist students by providing essential information concerning associate degree and certificate requirements, Butte College policies and procedures, and by facilitating timely transfer to four-year colleges and universities. Counselors also specialize in obtaining information about course equivalencies, requirements at other colleges, and Butte College program requirements and prerequisites. The Counseling & Advising Center also offers a variety of services and resources designed to help students choose, confirm, or change their career goals and to take action to move them along a path toward pursuing those goals.

All students should meet with a counselor before enrollment. The primary goal of this meeting is to assist students with appropriate course selection. New Transfer-in students, who have completed 24 units at a 2.0 GPA can register their first term upon completion of an online orientation but must meet with a counselor to complete a comprehensive education plan before registration in a subsequent term.

Counselors are also available for personal counseling to assist students in exploring concerns and situations that may be affecting their learning and personal growth. Every effort will be made to help students resolve their difficulties and derive the maximum benefit from their educational experience. Counseling is available on a limited basis and may include referral to other appropriate resources. Counselors are available to meet with students at the Main, Chico, and Glenn County campuses. Remote counseling appointments are also available through phone and video counseling sessions. More information is available on the Counseling & Advising website.

Culture & Community Center

SSF 102 • ccc@butte.edu

Welcome to the Culture & Community Center (CCC). Our goal is to create a sense of unity, understanding, and mutual respect among Butte College's diverse community. The CCC advocates for and empowers Butte College's diverse community by providing educational programs and cultural events in a safe and interactive environment where people gather to learn about themselves and others. The CCC is committed to highlighting current diversity issues, promoting inclusion, and cultivating a campus where everyone feels valued, heard, and supported. Opportunities include:

- Lounge and Meeting Space
- Lending Library
- Community Building Opportunities
- Connect Students with other Students
- Heritage Month Celebrations
- Students of Color Retreat

Disabled Student Programs and Services (DSPS)

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

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

Extended Opportunity Program and Services (EOPS)

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

EOPS provides a comprehensive array of services to first-generation, low-income, and underrepresented students. These services include personal, academic, and career counseling; priority registration; funding for books; a textbook lending library; a computer lab; calculator lending program; emergency loans; 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 at **www.butte.edu/eops**. Students enrolled in 9-11.75 units should contact the EOPS Office regarding application to the program.

Financial Aid

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

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

Foster Kinship Care Education Program

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

The Foster & Kinship Care Education (FKCE) Program is a statewide program funded by the California Community College Chancellor's Office. This program provides a wide variety of training programs for resource parents through 57 California Community Colleges.

The Butte College, Foster and Kinship Care Education (FKCE) Program provides quality education and support opportunities for caregivers of children and youth in out-of-home care so that these providers may meet the educational, emotional, behavioral and developmental needs of children and youth. FKCE provides specialized skill areas such as Providing Care and Supervision to Children with Special Health Care Needs, Understanding the Indian Child Welfare Act and Best Practices when Caring for Commercially Exploited Children.

Foster parents and relative caregivers are required by the state to have pre-service training prior to children being placed in their homes and renewal training each year thereafter. To assist foster/kinship parents with this process. Each class provides a certificate of completion for each training course that you complete. These certificates confirm the completion of training hours for those that require annual certification.

All training sessions are free, and many are offered as in-person and Zoom (hybrid). Although our target audience is Resource Families (formerly called Foster/Kinship Parents), our training classes are open to everyone.

High School Programs

(530) 895-2511 • SAS 168
Dual Enrollment and CTE • (530) 893-7586 • LRC 320
www.butte.edu/highschool

Butte College offers many programs and opportunities for students in junior high and high school which include:

- College Connection
- Concurrent Enrollment
- CTE Transitions
- Dual Enrollment
- Summer Connection - Jr. High
- Summer Bridge
- Reg2Go

Inspiring Scholars Foster Youth Program

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

Inspiring Scholars is an academic and social support program for students who were in foster care after their 13th birthday and who are under the age of 26. Benefits include dedicated academic counseling, a computer lab, drop-in appointments, help with financial aid, community with other foster youth, mentoring, free snacks, and much more.

International Program & Student Center

(530) 895-2991 • SSG 101 • international@butte.edu
www.butte.edu/international

The International Program offers a range of services that cater to the unique needs of international students studying in the United States with an F-1 visa. It provides personalized support, guiding students through every step of their journey, admission and visa applications, academic support, immigration compliance and cultural comprehension. Students can also visit the International Student Center to study, connect with other students, and meet with an advisor to receive individualized services.

Library

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

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

There are over 100 study carrels throughout the three floors of the Library, as well as five group study rooms on the third floor.

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

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

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

Reference librarians provide library instruction, online tutorials, and reference services.

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

MESA

(530) 879-4302 • LB 105
www.butte.edu/mesa

The MESA Program at Butte College was established in 2001. MESA is an academic support program supporting underrepresented, economically and educationally disadvantaged community college students. The MESA Program provides the resources and environment for Butte College students to succeed and transfer to four-year colleges in STEM-based majors. These majors include Biology, Chemistry, Construction Management, Computer Science, Engineering, Environmental Science, Geology, Mathematics, and Physics.

Native American Center

(530) 895-2256 • SSF 102
nativeamericancenter@butte.edu

The Native American Center provides academic and cultural support for all Native American students. Throughout the year the Center hosts various campus events that are accessible for all. The Center serves Native American students at Butte College and K-12 students. The program's goal is to help develop Native American leaders. The Center is located on the Main Campus and stands on lands that were originally occupied by the Maidu people.

New Student Orientation and Reg2Go Program

(530) 893-7480 • SAS 168
www.butte.edu/orientation
www.butte.edu/reg2go

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

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

Puente Project

(530) 895-2949 • CC 141
puente@butte.edu

The mission of the Puente Project is to increase the number of educationally underrepresented students who enroll in four-year colleges and universities and aid students in earning college degrees so they can return to the community as mentors and leaders to future generations. Butte College students who join the Puente program will have the opportunity to participate in a College Success course (CSL 20) and English courses (ENGL C1000 and ENGL C1001) that are taught by dedicated instructors with a focus on the Latinx experience. Students can be a part of multiple critical skills workshops, conferences, four-year college campus tours and other cultural excursions.

Queer Resource Center

(530) 879-6145 • SSF 101
www.butte.edu/qrc

The Queer Resource Center provides a safe, inclusive environment for LGBTQIA2S+ students as well as basic needs and equitable access to help students meet their education goals. We at the QRC support, advocate for, and educate students so they can connect with others, learn about the queer community, and deepen their understanding of their own identity. The Queer Resource Center provides the following services:

- Safe student lounge to complete homework, meet others in the community, and gain access to resources
- Resources include snacks, clothes, school supplies, lending library, menstrual products, hygiene supplies, and safe sex materials such as condoms and dental dams
- Academic Counseling drop-in hours weekly
- Assistance with Chosen Name Project
- Community resources and referrals
- Local, national, and global awareness on relevant LGBTQIA2S+ issues and policies

The QRC is open to all students Monday - Thursday, 8:00AM - 5:00PM.

Roadrunner Hub Basic Needs Resource Center

(530) 895-2978 • RRHUB (near parking lot 3c)
www.butte.edu/hub

The Roadrunner Hub Basic Needs Resource Center is a network of people and programs that offer students food and housing resources to limit barriers to their educational goals and success. This includes access to a food pantry, CalFresh application assistance, emergency food and gas cards, housing grants for housing insecure students, resources for childcare, and referrals to campus and community services. Students can complete the **Basic Needs Assessment** to be connected with resources.

Student Health Clinic (SHC)

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

Butte College students who have paid the health fee may see a medical provider or mental health therapist at no cost. The Clinic offers low-cost diagnostic testing including lab and imaging services, ordered at the Clinic and performed off-site. The Student Health Clinic offers a wide range of medical services including

screening, testing, and treatment of common diseases as well as treatment of injuries. Pre-admission physicals and immunization compliance are available for all Butte College programs. The Student Health Clinic offers mental health services to treat many common concerns such as anxiety, PTSD, depression, stress, substance abuse, eating disorders, relationship issues and other mental health issues.

Claims involving accidents and injuries that occur on campus or during College-sponsored activities must be filed through the Student Health Clinic.

SHC hours are from 7:30 a.m. to 12:30 p.m., and 1:30 to 4:30 p.m. Monday through Thursday, and from 8 a.m. to noon on Friday. Patient medical needs and therapy sessions are confidential.

Please note: The student health fee does not qualify as an insurance policy under the Affordable Care Act.

Student Success Services

(530) 879-6260 • CAS - LRC 2nd Floor

Student Success Services offers personalized assistance and referrals to support services to assist students who are at risk of dropping out or failing to meet Satisfactory Academic Progress (SAP). The primary objectives are to provide tailored interventions for students encountering academic challenges at Butte College via the program called Back on Track. Students are encouraged to engage in tutoring and other services at the Center for Academic Success, tailored to enhance their grade point average (GPA) to achieve academic success.

The Transfer Counseling Center

(530) 895-2264 • SAS 110
www.butte.edu/transfer

At the Transfer Counseling Center (TCC), students receive specialized information and counseling regarding their preparation for applying to a university or college in California or out-of-state. California State University (CSU) and University of California (UC) universities require that admission applications be electronically submitted nearly a year prior to transferring. Other admission application dates vary by institution. In all cases, it is very important for a student to meet with a counselor well before their anticipated transfer.

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

- Comprehensive Student Education Plans
- Major-specific and university-specific academic counseling
- Admission application workshops
- Online advising via E-Transfer Talk
- Cross enrollment (with Chico State only)
- Semester-by-semester pathways plans for the top 31 majors at Chico State
- Transfer GE certification
- Transfer Admission Guarantees (TAGs) to 6 UC schools
- The Transfer Academy (CSU, UC, public, private, and both in and out-of-state transfer)
- UC Transfer Opportunity Program (TOP)
- Individual appointments and workshops with representatives from Chico State, Cal Poly Humboldt, UC Davis, UCLA, UC Santa Barbara, and UC Santa Cruz
- Common Application assistance

For general CSU transfer, Butte College now offers more than 30 Associate Degrees for Transfer (ADTs). If a similar major is identified at the CSU intended transfer school, the completion of an ADT will make students a higher priority for transfer. In some cases, they will receive a .1 or .2 GPA admissions bump. Transfer counselors will help determine whether a specific ADT is an appropriate option for transfer.

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

The TOP program provides a UC Davis outreach staff member for one-on-one and group meetings. The TOP representative covers UC Davis and UC campus-wide transfer.

The Transfer Academy assists students in making themselves a priority for admission to the CSU and UC systems, as well as to private and out-of-state universities. The Transfer Academy is housed at **www.butte.edu/bcconnect**, and provides email outreach, workshops, campus visits, presentations, appointments, and admission advising to prospective transfers.

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

TRIO Student Support Services (TRIO-SSS)

(530) 895-2440 • SAS 281
www.butte.edu/trio

TRIO-SSS proudly serves students who are first-generation, income eligible and/or students with disabilities to ensure their success in college and beyond. TRIO-SSS provides a variety of student-centered educational supports that includes individualized academic coaching, social emotional support through academic and personal development workshops, cultural events, campus visits to four-year institutions, financial aid, transfer assistance, and access to the TRIO study lounge, all meant to support student success and achievement.

Umoja Program

(530) 895-2907 • SSG 102
umoja@butte.edu

Umoja is a learning community dedicated to the academic success, personal growth, and the development of self and community for African American students. We help students get transfer-ready, earn degrees, and prepare for careers using the following services:

Cultural Events & Trips
Umoja Annual Conference
Umoja Student Leadership Summitt

Program Services
Dedicated Counselor
Learning Cohorts
Career Exploration
Mentorship Opportunities

UndocuCenter

(530) 895-2817 • SSF 102
undocustudentsupport@butte.edu

The UndocuCenter serves undocumented students and students from mixed-status families by connecting them to institutional support and community services. The Center supports the undocumented student population through community outreach, campus events, and direct student support. The Center's programs and activities are designed to increase undocumented student retention, persistence, and completion at Butte College.

Veterans Services

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

The Veterans Services Office works to create a campus that is safe, friendly, and accommodating to students who have served in the U.S. Armed Forces. We strive to ensure a positive and rewarding educational experience for our veteran and veteran-dependent students. Students applying for Veterans Education Benefits should contact the Veterans Services Office.

Resources Provided:

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

Welcome Center

(530) 893-7467 • SAS, 168
www.butte.edu/welcomecenter

The Welcome Center serves as a central resource hub for the community and current/prospective students. The Welcome Center offers information, guidance, and support for a seamless transition into campus life and throughout your educational journey. The Welcome Center is home to Recruitment and Outreach, Orientation, Campus Tours, Concurrent Enrollment, and College Connection. Our friendly Orientation Leaders are ready to assist you with general campus information in person at our front counter on the first floor of the SAS building, as well as via phone or email.

Services Provided:

- Assistance with the Butte College application and steps to enroll
- Guided campus tours
- Registering for classes
- Access to campus maps and bus schedules
- Guidance on registering for classes and navigating Self-Service and Canvas
- Support for K-12 students interested in or participating in Concurrent Enrollment or College Connection
- Computer access and fax services

Campus Life

College Mascot: Dash, Roadrunner
College Colors: Black and Gold

Athletics

A wide variety of men's 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. Women's sports include basketball, beach volleyball, cross-country, softball, track and field, soccer, and volleyball. Butte College is a member of two intercollegiate conferences: Golden Valley and the Northern California Football Conference.

The College offers a selection of facilities for training and competition. The John B. Cowan Sports Complex includes a stadium that hosts football and track and field; a gymnasium for basketball and volleyball; baseball and softball diamonds; and other athletic fields for soccer and cross country. 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 regular season competitions. For further information, visit our website at www.butteroadrunners.com. Contact the athletic office at 530-895-2521 or email athletics@butte.edu.

Butte College Art Gallery

The Butte College Art Gallery, located in ARTS 106, 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. Our Annual Juried Student Exhibition and Awards Ceremony honors some of the College's most talented art students. Lectures and demonstrations are often coordinated with exhibitions. All the shows are curated and directed by the gallery director with the assistance of students in ART 70, the Gallery Production class. The Gallery on the first floor of the Main Campus ARTS building, features rotating displays of art and other interesting subjects. For more information, contact the Art Department at (530) 895-2404.

Campus Clubs

There are many student clubs on campus representing a diverse set of student interests. Clubs are organized with the aid of a faculty advisor but controlled by the students. Starting a new club is as easy as finding five students and one faculty/staff member willing to serve as an advisor. BC Connect is our new student involvement portal to find and access student organizations, club information, meeting times, student government, campus event/news and more. Students may use their regular Butte College log-in credentials to view the full site. For more information about clubs, visit **www.butte.edu/bcconnect** or contact the Student Life Office at (530) 895-2257.

Performing Arts Program

Students passionate about the performing arts will discover a vibrant community at Butte College. The Performing Arts Department includes an array of performing opportunities in symphonic band, jazz band, choir, pop band, fashion, and theatre. Additionally, students can take courses in music theory, composition, history, fashion, recording arts, and video/audio production. The Performing Arts Department frequently presents concerts and productions to the community, providing a dynamic platform for students to express and hone their talents. Our productions and ensembles are open to both students and community members, enriching the performing arts experience for everyone involved. For further details, visit our website at **www.butte.edu/music**, or contact the Performing Arts Department at (530) 895-2994.

Rising Scholars Program

(530) 895-2838 • LRC 137

Rising Scholars is an academic and social support program for students who identify as incarcerated, formerly incarcerated, or system impacted. Benefits include dedicated academic counseling, computer and printing access, drop-in appointments, help with financial aid, community with other incarcerated, formerly incarcerated, and system-impacted students, mentoring, free snacks, and much more. Contact us at **risingscholars@butte.edu** for more information.

Speech and Debate Team (Forensics Program)

The Butte College Speech and Debate Team offers something for everyone, including competition at state-wide intercollegiate speech and debate tournaments, and participation at community events. To join, enroll in CMST 12 Forensics. This is a required course for the Associate in Arts degree and a recommended course for the Associate Degree for Transfer in Communication Studies. It is also for any student interested in further developing communication, critical thinking, research, and socialization skills. All travel costs are covered. For more information about the program, contact the Communication Studies department chair Deborah McCabe at **mccabede@butte.edu**, director of forensics Shannan Troxel-Andreas at (530) 895-2236 **troxelsh@butte.edu**, or forensics coach Angela Ohland at (530) 879-6166 **ohlandan@butte.edu**.

Student Life

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

- Student Government (Student Senator)
- Student Clubs

- Butte College Student I.D. Cards
- Student Life Campus Events
- BC Connect, **www.butte.edu/bcconnect**

Visit the Office of Student Life in the Campus Center, first floor Rm. 145, or call (530) 895-2392.

Annual Events

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

Student Welcome Days: August and January
Transfer Day: September
Job Fair: September and May
Belonging at Butte: September
Day of the Dead (Dia de los Muertos): November
International Education Week: November
Wellness Fair: March
"U" in Butte Days: April
Earth Day Celebration: April
Big Time Event: 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 Butte 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 needs arise, the Department requests assistance from outside agencies for incidents which require special resources.

Butte 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 handrails, 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 are 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 Butte College Police Officer, who strives to identify and prosecute criminals, and recover stolen property.

Butte College Police Officers are sworn peace officers and comply with section 13522 of the California Penal Code relative to recruitment and training. Our 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 sheriffs as mandated by the State of California. Butte College Police Officer authority extends to any place in the state for the purpose of performing their primary duty or when making an arrest pursuant to section 836

P.C. for any public offense which poses immediate danger to person or property.

Off-Campus Center Safety

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

Access to Main Campus Facilities

Grounds: The Main Campus grounds are open from 5:30 a.m. to 11 p.m. Monday through Friday, 7 a.m. to 5 p.m. Saturday and Sunday, and 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 Butte College Police during the week. These main access doors are locked on weekends and holidays.

Campus Driving and Parking Rules and Regulations

1. All California Vehicle Code provisions relating to the use of bicycles, motorized bicycles and motor vehicle traffic upon the highways will be applicable to the traffic on the District property as stipulated in California Vehicle Code Section 21113.
2. No vehicles will be driven or parked on any sidewalk, service road, fields, or grounds. Exceptions may include private, emergency or District vehicles as authorized by the Director of Human Resources, Chief of Police or Director of Facilities Planning and Management.
3. Students and staff will park in the public parking lots only. Visitors may park in the public parking lots, meter spaces marked visitor on Administration Drive or obtain a visitors parking permit at Facilities Planning and Management or offices located campus wide if there is a need to park in a staff parking area. Vendors may obtain a vendor parking permit at Facilities Planning and Management if there is a need to park in restricted areas.
4. Faculty and staff members may park in the designated staff parking areas by obtaining a staff parking permit. Staff parking permits will be issued one permit per staff and faculty. It will be the responsibility of the employee to ensure their permit is displayed and clearly visible from the outside of the vehicle. The permit should be affixed to the plastic permit hanger and hung from the rearview mirror. Butte College parking permits may be obtained at the Facilities Planning and Management office. Human Resources will provide Facilities Planning and Management with 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 permits.
5. Only disabled persons will be allowed to park in areas marked by the international physically disabled symbol. Vehicles parked in these areas must display the Department of Motor Vehicles disabled license plate or plaque. Disabled parking spaces on campus will meet the requirements set forth in the Americans with Disabilities Act. Violation for unauthorized parking in marked disabled parking stall may result in issuance of a citation and fine in accordance with the provisions of California State law.
6. Double-parking is not allowed in any parking area on campus. The meaning of double-parking includes any position a vehicle is parked in which it blocks the exit of another vehicle from a parking space.
7. Special parking permits and reserved parking areas for construction, 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, roller skates and rollerblades will not be ridden on any sidewalk, roadway or on any public bench, planter, monument or other public or District property owned or under control of Butte-Glenn Community College District. The only exceptions to this procedure are that bicycles, and motorized bicycles may be operated on any roadway or parking area where a vehicle could lawfully be operated.
9. Horseback riding will be allowed only in designated areas as identified by the Director of Facilities Planning and Management. Individuals wanting to ride horses on campus or in the horse arena must obtain permission from Facilities Planning and Management through the Facility and Equipment Use Application Process and obtain a permit from Butte College Police.
10. Carpool parking spaces have been designated on campus. There are requirements for using these spaces:
    1. Register your vehicle at Facilities Planning and Management Office as a carpool vehicle.
    2. Display a valid Butte College carpool parking permit on your vehicle. The permit must be hung from the rearview mirror so that it can be viewed from the rear of the vehicle.
    3. Arrive at campus and park in a designated carpool parking space with at least two people in the vehicle. Carpool permits are ONLY valid in the designated carpool parking spaces.
11. Traffic citations will be issued for violating Butte College driving and parking regulations as set for in the California Vehicle Code. (Regulations are available in the Facilities Planning and Management Office).
12. Violation of this policy may result in one or all the following:
    1. A written warning
    2. A written citation
    3. Impounding of equipment

Butte College Police Crime Statistical Record

Reported in compliance with the Jeanne Clery Disclosure of Security Policy and Campus Crime Statistics Act: For calendar years 2022, 2023, 2024

	On Campus			Public Property			Non-Campus Property			Crime Classification Totals*		
Crime Classification	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**
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	1	0	0	0	0	0	0	0	0	1
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
Robbery	0	0	0	0	0	0	0	0	0	0	0	0
Dating Violence	0	0	0	0	0	0	0	0	0	0	0	0
Domestic Violence	0	1	1	0	0	0	0	0	0	1	0	1
Stalking	0	1	0	0	0	0	0	0	0	0	1	0
Aggravated Assault	0	0	0	0	0	0	0	0	0	0	0	0
Burglary	1	0	0	0	0	0	0	0	0	0	1	0
Arson	0	0	0	0	0	0	0	0	0	1	0	0
Motor Vehicle Theft	0	1	0	0	0	0	0	0	0	0	1	0
Crime Totals	1	3	2	0	0	0	0	0	0	2	3	2

Arrests / Referrals for Selected Offenses

	On Campus			Public Property			Non-Campus Property			Crime Classification Totals*		
Offenses Type	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**
Liquor Law Violations												
Arrests	0	1	4	0	0	0	0	0	0	0	1	4
Referral	0	1	2	0	0	0	0	0	0	0	1	2
Drug Law Violations												
Arrests	0	2	1	0	0	0	0	0	0	0	2	1
Referral	2	2	2	0	0	0	0	0	0	1	1	1
Weapons Possession												
Arrests	2	1	1	0	0	0	0	0	0	2	1	1
Referral	1	1	1	0	0	0	0	0	0	1	1	1

	On Campus			Public Property			Non-Campus Property			Crime Classification Totals*		
Hate Crimes	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**	**2022**	**2023**	**2024**
Hate Crime as Defined by the UCR	0	0	0	0	0	0	0	0	0	0	0	0
Hate Crime bias (Gender Identity)	1	0	0	0	0	0	0	0	0	1	0	0
Hate Crime 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.

Crime Prevention

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

Report all criminal activity and/or suspicious circumstances to the Butte College Police Department.

Protect personal property as if it were money.

Mark personal property with some identification, such as Butte College ID number or driver's license number.

Do not walk alone at night if possible.

Do not leave valuables unattended.

Do not leave personal property in desks or filing 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.

Reporting Crimes and Suspicious Activity

Call Butte College Police at (530) 895-2351.

Use one of several emergency phones located throughout the campus.

Report in person at the Facilities Planning and Management building, located next to parking lot 1E. After hours, a police emergency red phone is available, located next to the Facilities Planning and Management building front door.

Student Conduct and Rights

Student Rights and Privileges

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

Academic Integrity

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

Student Conduct

The Butte-Glenn Community College District believes that each student has an earnest purpose and that students will adhere to acceptable standards of personal conduct. In the development of responsible student conduct, disciplinary proceedings play a role substantially secondary to example, counseling, and admonition. In exceptional circumstances, when these preferred means fail to produce student acceptance of responsibility commensurate with student freedom, due process shall be observed to protect the student from the unfair and arbitrary imposition of serious penalties. The College has developed procedures for protecting student rights. The rights protected under these procedures include, but are not limited to, those guaranteed by the established rules and regulations of the Butte-Glenn Community College District, the Education Code of the State of California, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973. The Superintendent/President is authorized to suspend any student for good cause for an indefinite period of time as prescribed by code. Inquiries regarding student conduct, rights, and discipline procedures should be directed to the Office of the Dean of Student Services. Phone: (530) 895-2949 Location: Main Campus — CC 141

- **Administrative Procedure 5500**: Standards of Student Conduct
- **Administrative Procedure 5520**: Student Discipline Procedures
- **Administrative Procedure 5521**: Academic Integrity
- **Administrative Procedure 3400**: Nondiscrimination and Prohibition of Harassment
- **Administrative Procedure 5530**: Student Rights and Grievances

Grounds for Disciplinary Action

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

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

Student Disciplinary Action

As defined in **Board Policy 5500**, the Superintendent/President shall establish procedures for the imposition of discipline on students in accordance with the requirements for due process of the federal and state law and regulations. The purpose of **Administrative Procedure 5500** is to define conduct that constitutes good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student. The purpose of **Administrative Procedure 5520** is to provide a prompt and equitable means to address violations of the Standards of Student Conduct. Board Policy 5500 and Administrative Procedures 5500 and 5520 provide definitions of misconduct, definitions of disciplinary sanctions, and outlines the disciplinary hearing procedure. Disciplinary action involving students is primarily the responsibility of the Office of the Vice President for Student Services. Inquiries regarding student conduct, rights, and discipline procedures should be directed to the Office of the Dean of Student Services. Phone: (530) 895-2949 Location: Main Campus — CC 141.

Student Conduct, Complaint and Grievance Procedures

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

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

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

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

Student Complaints Regarding an Instructor

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

Campus Safety Policies and Resources

Campus Violence

Butte College prohibits 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 College 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 that can be interpreted as physical assault
    - Threats to harm someone or endanger the safety of others
    - Threats to destroy or the actual destruction of property
    - Possession of a weapon (Penal Code 626.9 prohibits bringing a firearm, knife, or dangerous weapon onto the campus of a public school including a California Community College)

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

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

The Behavioral Intervention Team (BIT)

The purpose of the BIT is to proactively identify, assess, and offer a coordinated institutional response to community members (and non-members) who pose a risk to themselves, others and/or the campus community. For more information, contact the Office of the Dean of Student Services, at (530) 895-2949. 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 the Butte College Police Department.

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 the 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 guidelines for identifying and investigating reportable crimes and incidents and 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 any 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 the 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 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, at (530) 895-2351.

Sexual Harassment

Sexual Harassment is prohibited by state and federal law and is defined in **Administrative Procedure 3400**. Sexual Harassment is an umbrella category for sexual misconduct that includes sexual assault, dating or domestic violence, and stalking. California Senate Bill 493 prohibits additional forms of sexual misconduct including sexual exploitation. Such prohibitions are also included in AP 3400. If you experience sexual misconduct, please contact the Title IX Coordinator's Office at 530-893-7487 or **titleix@butte.edu**. The Title IX Coordinator will explain your rights and options and provide appropriate supportive measures to reduce or eliminate the impact of such misconduct on your educational program and activities.

Affirmative Consent

Affirmative Consent is defined as knowing (conscious), and voluntary, clear permission by word or action to engage in sexual activity.

Individuals may perceive and experience the same interaction in different ways. Therefore, it is the responsibility of each party to determine that the other has consented before engaging in the activity.

If consent is not clearly provided prior to engaging in the activity, consent may be ratified by word or action at some point during the interaction or thereafter, but clear communication from the outset is strongly encouraged.

For consent to be valid, there must be a clear expression in words or actions that the other individual consented to that specific sexual conduct. Reasonable reciprocation can be implied consent. For example, if someone kisses you, you can kiss them back (if you want to) without the need to explicitly obtain their consent to being kissed back.

Consent can also be withdrawn once given, as long as the withdrawal is reasonably and clearly communicated. If consent is withdrawn, that sexual activity should cease within a reasonably immediate time.

Consent to some sexual contact (such as kissing or fondling) cannot be presumed to be consent for other sexual activity (such as intercourse). A current or previous intimate relationship is not sufficient to constitute consent. If an individual expresses conditions on their willingness to consent (e.g., use of a condom) or limitations on the scope of their consent, those conditions and limitations must be respected.

Proof of consent or non-consent is not a burden placed on either party involved in a complaint. Instead, the burden remains on the District to determine whether its policy has been violated. The existence of consent is based on the totality of the circumstances evaluated from the perspective of a reasonable person in the same or similar circumstances, including the context in which the alleged misconduct occurred and any similar and previous patterns that may be evidenced.

Consent in relationships must also be considered in context. When parties consent to BDSM26 or other forms of kink, non-consent may be shown by the use of a safe word. Resistance, force, violence, or even saying "no" may be part of the kink and thus consensual, thus the District's evaluation of communication in kink situations should be guided by reasonableness, rather than strict adherence to policy or procedure that assumes non-kink relationships as a default.

Please see **Administrative Procedure 3400** — Nondiscrimination and Prohibition of Harassment.

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

Sexual Assault Crisis Support

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

On Campus

- Title IX Coordinator (530) 893-7487
- Butte College Police Department 9-1-1, (530) 895-2351
- Student Health Clinic (530) 895-2441

To Report Sexual Misconduct Contact

- Title IX Coordinator (530) 893-7487
- Human Resources (530) 895-2400
- Catalyst Domestic Violence & Sexual Assault Services (800) 895-8474

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 the police or 9-1-1.
- 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 Catalyst who can assist you in notifying the appropriate agencies.

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.

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, Glenn County Center, and Skyway Center are designated as non-smoking campuses except in designated areas. On the main campus, smoking is banned in all undeveloped areas of the campus. At all leased facilities, the 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 workplaces. 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 that 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 state prison. Students are required to report any convictions within five days of the occurrence. If students are student employees, 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 & Advising Center (530) 895-2378
- Student Health Clinic (530) 895-2441

Off Campus

- Alcoholics Anonymous (530) 342-5756
- District 3 Al-Anon (530) 334-6734
- Butte County Alcohol and Drug Center (530) 891-2784
- Narcotics Anonymous (877)-669-1660
- Prevention Education Program, Inc. (530) 891-6148

District Policy Statements

Non-Discrimination

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

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

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

Imelda Simos-Valdez
Vice President for Student Services/ADA/504 Coordinator
Student Administrative Services (SAS) 210
530-895-2239 • **simosvaldezim@butte.edu**

For further information and resources on notice of non-discrimination:
Seattle Office, Office for Civil Rights (OCR)
U.S. Department of Education
915 Second Avenue Room 3310
Seattle, WA 98174-1099

Telephone: 206-607-1600
FAX: 206-607-1601
TDD: 800-877-8339
Email: **OCR.Seattle@ed.gov**

Receiving and Requesting Accommodations Under The Americans with Disabilities Act Amendments Act (ADAAA) and Title 5 Regulations CCR Sections 56000-56076

Butte College shall not discriminate against a qualified individual with a disability because of the disability with regard to employment or provision of District programs, services, and activities. A student who is otherwise qualified may request accommodation related to their disability from the Disabled Student Programs and Services (DSPS) Office located in the Student Administrative Services (SAS) building in room 238 or online through the DSPS webpage: **www.butte.edu/dsps/**. Students may also contact the DSPS Office at (530) 895-2455 for additional information or assistance.

Student Right-To-Know and Campus Security Act

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our District to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2020, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three-year period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three-year period, from Fall 2020 to Spring 2023. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five-semester period, from Spring 2021 to Spring 2023, are transfer students.

Completion Rate: 37.7%
Transfer Rate: 10.46%

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

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

Academic Standards

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

The Matriculation Process

Matriculation signifies the formal alignment between Butte College and a student, aimed at achieving the educational goals of the individual. All individuals enrolling in credit courses for the first time are considered matriculants. The matriculation agreement outlines the shared responsibilities of Butte College and the student in working towards these objectives, utilizing the College's established programs, policies, and requirements.

The College agrees to:

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

Students agree to:

- Express a broad educational intent at the time of admission
- Identify an education and career goal
- Complete an orientation provided by the College
- The College shall provide the student with an opportunity to develop a comprehensive student education plan within a reasonable time period, defined as completion of 15 units. If the student fails to abide by the terms of their education plan, Butte College may limit or suspend to the student any services the College normally provides.
- Diligently engage in course activities 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. 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 institution.

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 specified below.

A student in continuous attendance in the Butte-Glenn Community College District shall have the choice of completing the requirements for an award published in any catalog in effect at the College during that student's period of continuous attendance according to the following provisions. An award is defined as any associate degree, baccalaureate degree, certificate of achievement, certificate of competency, or certificate of completion.

A student's catalog rights will default to the catalog in effect during their first semester of attendance, excluding attendance as a special admit student through concurrent or dual enrollment programs. Students may elect to assume rights to a catalog other than the default as follows:

- The catalog in effect at the time all requirements for the award are met
- The catalog in effect at any intervening term between the time the period of continuous attendance began and the time all requirements for the award are met

Continuous Enrollment, Leaves, and Attending Other Colleges

Continuous attendance is defined as attending at least one primary or intersession academic term during the academic year in which a catalog is in effect at any college or educational site within the Butte-Glenn Community College District and including the following provisions:

- Courses for which a "W", "MW," or "EW" are awarded shall count towards meeting the continuous attendance requirement
- Absence due to an approved educational leave or for attendance at another accredited institution of higher learning shall not be considered an interruption in attendance if the absence does not exceed two years

A student may use coursework successfully completed at colleges other than the college granting the award if the coursework is determined to be appropriate to meeting the award requirements by the faculty with relevant expertise.

Academic Achievement

Grade Reports and Transcripts

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

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

AB 1313 Higher Education: Prohibited Debt Collection Practices went into effect January 1, 2020. The Bill prohibits any public or private postsecondary school from refusing to provide a transcript for a current or former student on the grounds the student owes a debt. Diplomas, certificates, and verifications are subject to being withheld until Admissions & Records verifies that the financial obligation is no longer outstanding.

Grade Definitions

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

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

Letter Grades

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

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

P (Pass)

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

NP (No Pass)

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

I (Incomplete)

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

W (Withdrawal)

The "W" symbol is used to denote withdrawal from a course through the last day of the twelfth week of instruction or before 75 percent of an irregular term course has passed. Students are limited to a maximum of 3 withdrawals per course (Title 5, Section 55024). Fourth and subsequent withdrawals will result in a grade of FW. Students who do not withdraw prior to the deadline must be awarded a grade other than W. No notation is made on the academic record of a student who withdraws during the first two weeks of instruction of a semester, or during the first 20 percent of an irregular term course. The W grade is not used in calculating grade point average. It is used in determining progress probation and dismissal. Under certain extenuating circumstances, a petitioning process is available to provide for withdrawal with a W after the deadline.

MW (Military Withdrawal)

The "MW" symbol is used to denote military withdrawal in accordance with Title 5, Section 55024. The symbol is used when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, the "MW" symbol is assigned at any time after the period during which no notation is made for withdrawals. The "MW" symbol is not counted in progress probation and dismissal calculations; toward the permitted number of withdrawals; or as an enrollment attempt. In no case may a military withdrawal result in a student being assigned an FW grade. Students seeking a military withdrawal must submit a copy of their orders to Admissions & Records.

EW (Excused Withdrawal)

Effective Fall 2018, the "EW" symbol is used to denote an excused withdrawal in accordance with Title 5, Section 55024. The symbol is used when a student is permitted through a petition process to withdraw from a course(s) due to specific events beyond the student's control that affect their ability to complete a course(s). Specific events beyond a student's control may include accidents, illnesses, or other circumstances beyond the student's

control. Through a petition approval process, the "EW" symbol is assigned at any time after the period during which no notation is made for withdrawals. The "EW" symbol is not counted in progress probation and dismissal calculations, toward the permitted number of withdrawals, or as an enrollment attempt. In no case may an excused withdrawal result in a student being assigned an "FW" grade. The "EW: symbol is counted in the evaluation of a student's Satisfactory Academic Progress (SAP) status and may affect eligibility for financial aid. Students requesting an excused withdrawal can contact Counseling & Advising, (530) 895-2378. The "EW" symbol may not be assigned to any coursework completed or attempted prior to Fall 2018.

IP (In Progress)

The "IP" symbol is used for those courses that are "in progress," and that assignment of a substantive grade must await their completion. The appropriate evaluative grade and unit credit is assigned and appear 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 Admissions & 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 progress probation and dismissal.

Pass/No Pass Options

Credit courses 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 regular graded, 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 regular 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 Admissions & Records prior to the last day of the fifth week of instruction, or during the first 30 percent of an irregular term course
2. Unless an I, RD, W, EW, MW, or IP is assigned, the grade awarded is P if the student achieves an evaluative grade of A, B, or C. Similarly, if the student achieves an evaluative grade of D or F, only an NP grade symbol is awarded
3. A maximum of 8 units optionally graded with the "P" symbol may apply toward an associate degree
4. A maximum of 6 units optionally graded with the "P" symbol may apply toward a certificate of achievement

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

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

Challenges to Grades

To conform to the provision of Section 55025 of the California Administrative Code, Title 5, the determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetence. All changes or modifications to a student record must be requested no later than three years from the semester in question. The District's procedures are stated in **Administrative Procedure 4231**.

The procedures for challenging a final grade are as follows:

1. The student must confer with the instructor either in person or electronically to determine if the appropriate grade(s) was issued. If the instructor is not available or does not respond within 7 days, the student may contact the appropriate department office. The department office will attempt to contact the instructor and if after 7 days is unsuccessful, may find a faculty substitute for the instructor. The student must seek resolution first with the instructor or a substitute. If a faculty substitute is required, their realm of authority will be limited to claims based on mistakes and miscalculations. With permission from the Dean or Vice President for Instruction, substitute access to final grade rosters will be granted through the Office of Instruction. In the challenge, the student should:
    a. Identify the term, control number, course name, course number, and instructor (if the challenge is directed to a faculty substitute)
    b. State the action requested; e.g., change a grade of "C" to an "A," change an "I" to a grade of "C"
    c. Provide the reasons(s) and supporting evidence why they believe this request should be approved. Any claims other than mistakes or miscalculations will go directly to the dean.
2. Students who wish to appeal the decision of the instructor (or substitute) must seek resolution with the appropriate area dean within 15 days after conferring with the instructor (or substitute) either in person or electronically. 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: e.g., change a grade of "C" to an "A," change an "I" to a grade of "C"
    c. Provide the reasons(s) and supporting evidence why they believe this request should be approved. The dean has 15 days from the receipt of the request to provide a written response to both the student and the instructor (and substitute if applicable). The response shall inform the student of their right to appeal to the Vice President for Instruction.
3. The final appeal rests with the Vice President for Instruction. The Vice President has 15 days from receipt of the appeal to respond in writing. The Vice President's decision is final and shall be reported to the student, the instructor (and substitute, if applicable), and the dean.

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

Scholastic Honors

Semester Honors: Each semester, Butte College recognizes students who have demonstrated a high level of academic performance. Students who have an academic status in "Good Standing" and have completed 15 units of courses numbered 1-199 or C1000-C1999 (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 their 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 from their students. Therefore, being a full-time student is an honorable profession and requires as much work as full-time employment.

Academic Regulations

The Academic Council

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

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

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

Academic Renewal

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

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

1. At least one year has elapsed since the most recent work to be alleviated
2. Work completed by the student since the most recent work to be alleviated must consist of at least 15 consecutive semester units at 3.00 GPA; or 24 semester units at 2.50 GPA; or 36 semester units at 2.00 GPA
3. Work to be eliminated is not needed for degree and/or transfer
4. Work to be eliminated is not reflective of the student's demonstrated ability
5. A maximum of 30 semester units of coursework from any college or university may be alleviated
6. To have substandard grades earned at other colleges or universities excluded from the calculation of the overall GPA, students must first contact the institution where the courses were completed to determine if academic renewal is possible. If the institution where the coursework was completed does not have established policies and procedures for academic renewal, then students may petition the Butte College Academic Council to have the substandard grades from that institution excluded from overall GPA calculations. Documentation supporting an institution's inability to grant academic renewal must be submitted with students' petitions.

Counselors have been authorized by the Academic Council to approve the Academic Renewal petitions for Butte College coursework.

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 twelfth week, students receive a letter grade for the class. Specific instructors' attendance policies are included in the course syllabus, along with the drop date in short-term or irregular courses. Roll is taken for all positive attendance courses. See a counselor for more information on dropping or withdrawing from classes.

College activities such as athletic events, student government conferences, music festivals, field trips, and similar sanctioned activities are approved instructional activities. However, this should not be interpreted to mean that a student is excused from class assignment. It is the student's responsibility to consult with each instructor prior to the absence to clarify what work must be done for each class and the deadline for completion of the work to the instructor's satisfaction.

Attendance for Online Courses

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

each online course provides the instructor's procedures regarding attendance and participation.

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

Attending the First Day of Class

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

Auditing Courses

Under certain circumstances, as provided in **Board Policy 4070**, certain courses may be taken on an audit basis. Auditing is subject to the following limitations:

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

Credit for Prior Learning

After satisfactorily completing 12 units of resident credit at Butte College, a regularly enrolled student may be permitted to obtain credit by examination in subject fields in which they are specially 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 official transcript. Students may withdraw from classes during the third through twelfth weeks, or first 75 percent of an irregular term course, and have a W grade appear for the class on their transcripts. See W (Withdrawal) in the Grade Definition section of this catalog for limitations on withdrawals.

Withdrawal from Classes During the Final Four Weeks

During the final four weeks of instruction an EW can be assigned only when the need for withdrawal is due to circumstances beyond the student's control, such as an accident or serious illness, and an assignment of an "Incomplete" is not practical. The student must must meet with a counsleor to initiate this process.

Excused Withdrawal

Students seeking an excused withdrawal or "EW" due to circumstances beyond their control, such as an accident or serious illness, must meet with a counselor to complete an Active Year Excused Withdrawal Petition. See "EW (Excused Withdrawal)" in the Grade Definitions section of this catalog. It is recommended a student consult with financial aid and/or veterans' staff regarding any impact before initiating.

Dropping/Withdrawing From Short-term Classes

Students may drop with a DR grade through 20 percent of the course, and a W grade through 75 percent of the course.

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 the class and must clear their status with Admissions & Records. Students may be dropped from courses if they fail to appear on the first day of instruction unless they have made prior contact with the instructor. However, dropping a class is the student's responsibility.

Final Examinations

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

Leaves of Absence

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

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

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

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

Medical Leave

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

Military Leave

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

Planned Educational Leave

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

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

Planned interruptions may also be granted to allow the solution of personal problems and thus enhance the prospect of successful completion of the student's academic program. The maximum duration of a Planned Educational Leave 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 Counseling & Advising 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

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

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

Progress Probation: A student is placed on progress probation when 50 percent or more of all the units attempted that semester are graded with the symbols "W," "I," and/or "NP."

Progress probation in dismissal status commences during the semester that the student has enrolled in at least 12 cumulative units.

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

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

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

Dismissal

At the end of each Fall and Spring semester, 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 Fall and Spring term after 3 semesters of probation.

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

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

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

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

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

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

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

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

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

Students placed in dismissal status for a second 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 third or subsequent time must submit a petition to the Academic Council to be readmitted. For assistance in submitting an Academic Council petition, contact Counseling & 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 Veterans Services Office is to provide guidance and to ensure students maintain consistent progress towards an approved educational goal. Schools are required by law to have and enforce standards of progress and conduct in order for their school to be approved for VA benefits. It is the responsibility of all VA educational aid recipients to understand the terms and conditions of the VA Satisfactory Academic Progress (VASAP) Policy in order to maintain eligibility for aid.

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

1. A minimum cumulative grade point average (GPA) of 2.0
2. Completion of at least 50 percent of units attempted 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 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. 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 & Advising. In these circumstances, the first two substandard grades will be alleviated. If a third attempt results in a substandard grade, an additional attempt will not be allowed.

3. Neither an EW (Excused Withdrawal) nor an MW (Military Withdrawal) count toward the permitted number of withdrawals or as an enrollment attempted.
4. Courses designated as variable unit may be repeated until the student completes the entire curriculum one time, as listed in the course catalog. Under certain conditions, up to two substandard grades may be alleviated with approval from Counseling & 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 the Admissions & Records webpage available at **www.butte.edu/admissions** for information on course repetition.

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

Revision of Regulations

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

Special Studies/Problems

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

Enrolling in Special Studies/Problems

1. When a full-time instructor works with a student to fill out a Petition for Special Studies/Problems, the full-time instructor is to ensure that it is completely filled out before approving the request. The student's ID number, the units for the project, and the units completed at Butte College (which must be at least 12) must appear on the form and the Objectives and Procedures must be explicit, including associated hours.
2. Full-time instructors may only authorize Special Studies/Problems petitions that fall within their teaching discipline. A maximum of four student projects per semester per full-time instructor may be approved.
3. The Special Studies/Problems petitions must be confined to the student's major.
4. The student will take the Special Studies/Problems Petition to the area department secretary for review of required elements and attachment of necessary backup documentation needed for dean/director approval.
5. Department secretary or student will take the Special Studies/Problems Petition and backup documentation to the area dean/director for review and 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 Special Studies/Problems Petition to the instructor.
9. The instructor will assign an Add Authorization for the student to enroll.

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 17-week semester, or 4 or more units during a Winter session, or 10 units or more 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 from Counseling & Advising.

Alternative Degree Credits

Acceptance of Transfer Credit

Students who have attended other colleges or universities may transfer credit to Butte College. Transfer credit may be counted toward associate degree, certificate, or general education requirements if completed at a regionally accredited institution. Students who submit official transcripts from other colleges and universities must request to have them evaluated by submitting a Transcript Evaluation Request form to Admissions & Records. Transcripts from other institutions will not be evaluated unless the student has previous or current enrollment at Butte College. Information about the transcript evaluation process is available online at **www.butte.edu/services/admissions/transfer-course-work-prerequisites**

International Evaluations

Students who wish to transfer coursework taken outside the United States must obtain a transcript evaluation from an

approved credential evaluation service prior to being submitted to Admissions & Records. The evaluation must include a U.S. course-to-course evaluation indicating the level (upper & lower division) for each course. A list of approved agencies is available online at **www.naces.org**.

Veterans (Advanced Standing)

Upon presentation to Admissions & Records of legible discharge papers (DD-214) or official Joint Services transcripts or Community College of the Air Force transcripts verifying completion of accessions training (Boot Camp/Basic Military Training, etc.). Veterans completing an associate degree may have the two-unit Local Graduation Requirement waived (see Butte Local General Education Guide in this catalog). The Veteran is eligible to receive at least six (6) units of credit on their official Butte College transcript for DD-214 service credit.

Veterans may be eligible for credit for prior learning and/or receive additional military 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.

Students may be eligible for additional credits for training received in the military. Please follow up with the veteran's counselor to discuss having your military transcripts evaluated. For more information call Veterans Services 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 Admissions & Records.

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 Admissions & Records at (530) 895-2511.

Unit Limitation on Alternative Degree Credit

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

Exam Scores

Advanced Placement (AP) Test Scores

- Students are granted credit for Advanced Placement (AP) Tests with scores of 3, 4 or 5. All "Units" are recorded as semester units unless otherwise indicated
- Students must have official AP exam results sent from the College Board to Butte College Admissions & Records
- Use of AP Test Scores for Butte College credit, GE & major requirements, is determined by Butte College Policy
- Use of AP Test Scores for Cal-GETC is determined by Butte College and Cal-GETC Policy
- CSU information below reflects their systemwide policy and applies only to students who transfer to a CSU without GE certification
- Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution
- If there is no Butte College course equivalency, credit for the major may be granted through a substitution process and must be approved by the corresponding department

	BUTTE COLLEGE GE		CSU GE			Cal-GETC CERTIFICATION		UC Units
AP Exam	**Butte GE Area & Course (See note above)**	**Semester Units**	**CSU GE Area**	**CSU GE Units Earned**	**CSU Transfer Units Earned**	**Cal-GETC GE Area**	**Cal-GETC GE Units Earned**	**UC Transfer Units Earned**
African American Studies	N/A	3	N/A	N/A	3	N/A	N/A	2.6
Art History	Area 3 ART 2	6	Area 3A or 3B	3	6	Area 3A or 3B	3	5.3
Studio Art — 2D Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art — 3D Design	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
Studio Art — Drawing	N/A	3	N/A	N/A	3	N/A	N/A	*5.3
AP Studio Art Limitation								*Maximum UC credit for 3 exams is 5.3 units
Biology	Area 5 BIOL 1	6 units, only 4 GE	Areas 5B & 5C	4	6	Areas 5B & 5C	4	5.3
Calculus AB	Score 3 = Area 2, Score 4/5 = MATH 30/ Area 2	3	Area 2	3	3*	Area 2	3	2.6**
Calculus BC	Score 3/4 = MATH 30/ Area 2 Score 5 = MATH 31/ Area 2	5	Area 2	3	6*	Area 2	3	5.3**
AP Calculus Exam Limitations	Only one exam may be applied to Butte GE/course credit		*Only one exam from Calculus and Computer Science may be used towards CSU transfer					**Maximum UC credit for exams is 5.3 units

	BUTTE COLLEGE GE		CSU GE			Cal-GETC CERTIFICATION		UC Units
Chemistry (includes lab)	Score 3/4 = Area 5, Score 5 = CHEM 1/ Area 5	6 units, only 5 GE	Areas 5A & 5C	4	6	Areas 5A & 5C	4	5.3
Chinese Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Computer Science A	N/A	3	N/A	N/A	3*	N/A	N/A	5.3**
Computer Science Principles	Area 2	6 units, only 3 GE	Area 2	3	6	N/A	N/A	5.3
AP Computer Science Exam Limitations	Only one exam may be applied to Butte GE/course credit		*Only one exam from Calculus and Computer Science may be used towards CSU transfer					
Economics — Macroeconomics	Area 4 ECON 2	3	Area 4	3	3	Area 4	3	2.6
Economics — Microeconomics	Area 4 ECON 4	3	Area 4	3	3	Area 4	3	2.6
English — Language & Composition	Area 1A ENGL C1000	6* units, only 3 GE	Area 1A	3	6	Area 1A	3	5.3*
English — Literature & Composition	Area 1A & 3 ENGL C1000	6* GE units	Area 1A & 3B	6	6	Area 1A or 3B	3	5.3**
AP English Exam Limitations	*Maximum Butte College credit for both exams is 9 units							**Maximum UC credit for both exams is 5.3 units
Environmental Science	Area 5 PSC 10	4	Areas 5A & 5C	4	4	Areas 5A & 5C	3	2.6
French Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
German Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Government & Politics — Comparative	Area 4 POS 3	3	Area 4	3	3	Area 4	3	2.6
Government & Politics — U.S.	Area 4	3	Area 4 & US2 (Does not fulfill AHI)	3	3	Area 4	3	2.6
History — European	Area 3 or 4	6 units, only 3 GE	Area 3B or 4	3	6	Area 3B or 4	3	5.3

	BUTTE COLLEGE GE		CSU GE			Cal-GETC CERTIFICATION		UC Units
History — U.S.	Area 3 or 4 HIST 8	6 units, only 3 GE	Area 3B or 4 & US1	3	6	Area 3B or 4	3	5.3
History — World	Area 3 or 4 HIST 5	6 units, only 3 GE	Area 3B or 4	3	6	N/A	N/A	N/A
History — Modern World	Area 3 or 4 HIST 5	3	Area 3B or 4	3	3	Area 3B or 4	3	5.3
Human Geography	Area 4 GEOG 4	3	Area 4	3	3	Area 4	3	2.6
Italian Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Japanese Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Latin	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Physics 1: Algebra-Based	Area 5	4	Areas 5A & 5C	4	4	Areas 5A & 5C	4	5.3**
Physics 2: Algebra-Based	Area 5	4	Areas 5A & 5C	4	4	Areas 5A & 5C	4	5.3**
Physics C - Mechanics	Area 5 PHYS 21	4	Areas 5A & 5C	4*	4*	Areas 5A & 5C	3	2.6**
Physics C — Electric. & Magnetism	Area 5 PHYS 22	4	Areas 5A & 5C	4*	4*	Areas 5A & 5C	3	2.6**
AP Physics Exam Limitations	Only one exam may be applied to Butte GE/course credit		*Maximum 4 units toward GE and 6 units towards CSU transfer					**Maximum UC credit for exams 5.3 units
PreCalculus	Area 2	3	Area 2	3	3	N/A	N/A	N/A
Psychology	Area 4 PSYC C1000	3	Area 4	3	3	Area 4	3	2.6
Seminar	N/A	3	N/A	N/A	3	N/A	N/A	N/A
Spanish Language & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Spanish Literature & Culture	Area 3	6 units, only 3 GE	Area 3B	3	6	Area 3B	3	5.3
Statistics	Area 2 STAT C1000	3	Area 2	3	3	Area 2	3	2.6

International Baccalaureate (IB) Test Scores

- Students may earn credit for International Baccalaureate (IB) Exams as outlined in the chart below for Higher Level (HL) exams
- Students must have official IB exam results sent directly to Butte College Admissions & Records
- IB credit can be used to meet Cal-GETC and Butte College associate degree general education (GE) and/or major requirements
- A score of 5, 6, or 7 on HL exams is required for Cal-GETC certification and equates to either 3 semester/4 quarter units
- For transfer purposes, UC will grant 5.3 semester/8 quarter units for each IB exam completed with a score of 5, 6, or 7
- CSU information below reflects their systemwide policy and applies only to students who transfer to a CSU without GE certification
- **IB credit granted at Butte College may differ from course credit and units granted by a transfer institution**

(IB) EXAM	Minimum Score for Butte & CSU	Butte College GE Area	Units Toward Butte Degree	CSU Semester Units Earned	CSU GE Units	CSU GE Area	Minimum Score for Cal-GETC	Cal-GETC Area	Cal-GETC Units
Biology	5	Area 5	3	6	3	Area 5B	5	Area 5B	3
Chemistry	5	Area 5	3	6	3	Area 5A	5	Area 5A	3
Economics	5	Area 4	3	6	3	Area 4	5	Area 4	3
Geography	5	Area 4	3	6	3	Area 4	5	Area 4	3
History (any region)	5	Area 3 or 4	3	6	3	Area 3B or 4	5	Area 3B or 4	3
Language A – Literature (any language except English)	4	Area 3	3	6	3	Area 3B	5	Area 3B	3
Language A – Language & Literature (any language except English)	4	Area 3	3	6	3	Area 3B	5	Area 3B	3
Language B – (any language)	4	N/A	3	6	0	N/A	N/A	N/A	0
Mathematics: Analysis and Approaches	4	Area 2	3	6	3	Area 2	5	Area 2	3
Mathematics: Applications and Interpretation	4	Area 2	3	6	3	Area 2	5	Area 2 (may not be at all UCs)	3
Physics	5	Area 5	3	6	3	Area 5A	5	Area 5A	3
Psychology	5	Area 4	3	3	3	Area 4	5	Area 4	3
Theater	4	Area 3	3	6	3	Area 3A	5	Area 3A	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

- CLEP credit **cannot** be applied to Cal-GETC certification
- CLEP credit can be used to meet CSU GE and AA/AS general education (GE) and/or major requirements
- Use of CLEP Test Scores for Butte College Credit and GE determined by Butte College policy
- Use of CLEP Test Scores for CSU GE is determined by CSU Policy
- Students must have official CLEP exam results sent to Butte College Admissions & Records
- All "Units" are semester units unless otherwise indicated
- If no Butte College course equivalency, credit for the major may be granted via substitution petition submitted to the department
- **Course credit and units granted at Butte College may differ from course credit and units granted by a transfer institution**

		BUTTE COLLEGE		CSU		
CLEP Exam	**Score**	**Butte College GE Area**	**Semester Units**	**CSU GE Area**	**CSU GE Units Earned**	**CSU Transfer Units Earned**
American Government	50	Area 4	3	Area 4	3	3
American Literature	50	Area 3	3	Area 3B	3	3
Analyzing and Interpreting Literature	50	Area 3	3	Area 3B	3	3
Biology	50	Area 5	3	Area 5B	3	3
Calculus	50	Area 2	3	Area 2	3	3
Chemistry	50	Area 5	3	Area 5A	3	3
College Algebra	50	Area 2	3	Area 2	3	3
College Algebra — Trigonometry	50	Area 2	3	Area 2	3	3
College Composition	50	N/A	0	N/A	0	0
College Composition Modular	50	N/A	0	N/A	0	0
College Mathematics	50	N/A	0	N/A	0	0
English Composition (no essay)	50	N/A	0	N/A	0	0
English Composition (with essay)	50	N/A	0	N/A	0	0
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 3	9	Area 3B	3	9
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 3	9	Area 3B	3	9
History, US I	50	Area 3 or 4	3	Area 4 & US1	3	3
History, US II	50	Area 3 or 4	3	Area 4 & US1	3	3
Human Growth & Development	50	Graduation Requirement	3	N/A	3	3

	BUTTE COLLEGE			CSU		
Humanities	50	Area 3	3	Area 3B	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 4	3	Area 4	3	3
Introductory Sociology	50	Area 4	3	Area 4	3	3
Natural Sciences	50	Area 5	3	Area 5A or 5B	3	3
Pre-Calculus	50	Area 2	3	Area 2	3	3
Principles of Accounting	50	N/A	3	N/A	0	3
Principles of Macroeconomics	50	Area 4	3	Area 4	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 4	3	Area 4	3	3
Social Sciences and History	50	N/A	3	N/A	0	0
Spanish Level I*	50	N/A	6	N/A	0	6
Spanish Level II*	63	Area 3	9	Area 3B	3	9
Western Civilization I	50	Area 3 or 4	3	Area 3B or 4	3	3
Western Civilization II	50	Area 4	3	Area 4	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 3B of CSU GE as noted.*

General Education

2025-2026 Butte College Local GE Guide AA/AS Degree

Requirements:

1. A minimum of sixty (60) semester units of degree applicable courses (numbered 1-199 or C1000-C1999) must be completed.

2. An overall grade point average of 2.0 (C average or better). A maximum of eight (8) semester units optionally graded credit (P) may be counted toward associate degree requirements.

3. A minimum of twelve (12) semester units must be completed at Butte College. Units earned through Credit for Prior Learning do not apply toward this residency requirement.

4. **Major Requirement:** Complete one of the established majors. Please refer to the catalog for a list of all academic programs. Each course in the major must be completed with a C grade or better.

5. **Local General Education Requirements:** Complete a minimum of twenty-one (21) semester units of general education from the approved list according to the pattern below. Please note that a grade of C or better in areas 1A, 1B/C, and 2 are generally required for transfer to a university.

1A. English Composition: One course, three unit minimum
1B/C. Critical Thinking and Composition/Oral Communication: One course, three unit minimum
2. Mathematical Concepts and Quantitative Reasoning: One course, three unit minimum
3. Arts and Humanities: One course, three unit minimum
4. Social and Behavioral Sciences: One course, three unit minimum
5. Physical and Biological Sciences: One course, three unit minimum
6. Ethnic Studies: One course, three unit minimum

6. **Local Graduation Requirement:** A minimum of 2 units from Self-Integration, Physical Education Activity, or Career Technical Education (CTE) Pathways Exploratory courses

Self-Integration Courses:

BUS 62	Money & Happiness (3)	FN 2	Nutrition (3)	PSY 15	Lifespan Psychology (3)
CDF 14	Child Growth/Development (3)	FN 8	Maternal and Child Nutrition (3)	PSY 20	Personal/Social Growth/Wellness (3)
CLP 30	Career Life Planning (3)	HLTH 2	Health and Wellness (3)	PSY 36	Psych of Meditation/Mindfulness (3)
CSL 20	Identity, Culture & Education (3)	HLTH 10	Leisure for Healthy Living (3)	SOC 8	Introduction to Marriage/Family (3)
ENGL 31	Existential Literature (3)	LM 40	Life Management (3)	SOC 14	Sociology of Gender (3)

CTE Pathways Exploratory Courses:

AB 20	Careers in Agriculture, Environmental Science, Natural Resources (1)	HIM 56	Intro to Health Info Mgmt (2)
ALH 8	Health Careers Exploration - HESI (4)	ITEC 55	Intro to Industrial Trades (2)
FASH 64	Introduction to Fashion/Retail Careers (3)	MSP 1	Multimedia Careers (3)
FN 15	Introduction to Nutrition, Dietetics and Food Science (1)		

Physical Education Activity Courses (1.5 units unless otherwise noted):

FSC 105 (2.5), KIN 23, KIN 24, KIN 25, KIN 27, KIN 28, KIN 31, KIN 33, KIN 38, KIN 39, KIN 40, KIN 41, KIN 42, KIN 43, KIN 44, KIN 45, KIN 47, KIN 48, KIN 49, KIN 51 (0.5-1.5), KIN 52, KIN 53, KIN 57, KIN 58, KIN 59, KIN 60, KIN 61, KIN 63, KIN 64, KIN 65, KIN 66, KIN 67, KIN 68, KIN 69, KIN 70, KIN 71, KIN 73, KIN 74, KIN 77, KIN 80 (3), KIN 81 (3), KIN 82 (3), KIN 83 (3), KIN 85 (3), KIN 86 (3), KIN 87 (3), KIN 88 (3), KIN 89 (3), KIN 90, KIN 91, KIN 93, KIN 94

Waivers/Exemptions and Additional Information:

- Any veteran with a DD-214 (credit for military service) is exempt from the local graduation requirement.
- The following programs are exempt from the local graduation requirement: Agriculture Business, Automotive/Diesel Technology (all), Construction Management, Drafting and CAD Technology, Law Enforcement Academy (all), Mechanized Agriculture, Natural Resources Management, Nursing and LVN (all), Paramedic, Respiratory Care, and Welding Technology.
- Any student who (a) has previously completed an associate degree at any regionally accredited institution, (b) completes an associate degree for transfer, or (c) completes an associate degree using Cal-GETC, CSU GE Breadth, or IGETC, is exempt from the local graduation requirement.
- Any student who has previously completed a baccalaureate degree at any regionally accredited institution is exempt from current GE requirements and the local graduation requirement.
- Comparable coursework at other accredited institutions may be substituted.
- Certification of coursework for Butte College general education will be honored provided that a course was on the college's approved Butte Local General Education Guide when it was completed.

Application Requirement: Each student must file an Application for Graduation with a counselor by the published deadline.

Butte College AA/AS Degree Requirements 2025-2026

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

AREA 1A — ENGLISH COMPOSITION ***One course, 3 unit minimum***			
ENGL C1000	Academic Reading and Writing (4) (was ENGL 2)	ENGL C1000E	Academic Reading and Writing (4) (was ENGL 3)

AREA 1B/C — CRITICAL THINKING/COMPOSITION and ORAL COMMUNICATION ***One course from 1B or 1C, 3 unit minimum***			
Area 1B			
CMST 14	Argumentation and Debate (3)	MATH 7	Formal Logic and Writing (3)
ENGL C1001	Critical Thinking and Writing (3) (was ENGL 11)	PHIL 8	Methods of Argument (3)
Area 1C			
CMST 4	Small Group Communication (3)	COMM C1000	Introduction to Public Speaking (3) (was CMST 2)

AREA 2 — MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING ***One course, 3 unit minimum***			
MATH 10	Finite Math for Liberal Arts (3)	MATH 30	Analytic Geometry and Calculus I (5)
MATH 12	Mathematics for Business Decisions (Finite Mathematics) (3)	MATH 30s	Analytic Geometry and Calculus I with Support (5)
MATH 12s	Mathematics for Business Decisions (Finite Mathematics) with Support (3)	MATH 31	Analytic Geometry and Calculus II (4)
MATH 13	Survey of Calculus (4)	MATH 32	Analytic Geometry and Calculus III (4)
MATH 13s	Survey of Calculus with Support (4)	MATH 40	Differential Equations (4)
MATH 26	College Algebra (4)	MATH 42	Linear Algebra (3)
MATH 26s	College Algebra with Support (4)	STAT C1000	Introduction to Statistics (4) (was MATH 18)
MATH 28	Precalculus (4)	STAT C1000E	Introduction to Statistics (4) (was MATH 18s)
MATH 28s	Precalculus with Support (4)		

AREA 3 — ARTS and HUMANITIES ***One course, 3 unit minimum***			
ART 1	Art Appreciation (3)	HIST 10	United States History-1877 to Present (3)
ART 2	Prehistoric to Gothic Art History Survey (3)	HIST 18	Multicultural History of the United States (3)
ART 3	Asian Art History Survey (3)	HIST 21	History of Western Civilization I (3)
ART 4	Renaissance in Contemporary Art History Survey (3)	HIST 23	History of Western Civilization II (3)
ART 5	1800 to Present Art History Survey (3)	HIST 26	Men and Women in American History (3)
ART 6	African, Oceanic, and Native American Art History Survey (3)	HIST 30	History of the African American (3)
ASL 3	American Sign Language III (4)	MUS 1	Music Appreciation (3)
ASL 4	American Sign Language IV (4)	MUS 2	Rap and Hip Hop Culture (3)
CMST 6	Oral Interpretation (3)	MUS 5	American Popular Music (3)
DRAM 2	Introduction to Theatre (3)	MUS 6	Women and Music (3)
ENGL 4	Introduction to Literature (3)	MUS 7	Jazz Appreciation (3)
ENGL 8	British Literature I (3)	MUS 8	Music of Latin America and the Carribean (3)
ENGL 10	British Literature II (3)	MUS 9	World Music (3)
ENGL 14	U.S. Literature I (3)	PHIL 2	Introduction to Philosophy (3)
ENGL 15	Film as Literature (3)	PHIL 4	Introduction to Ethics and the Good Life (3)
ENGL 16	U.S. Literature II (3)	PHIL 10	History of Ancient Philosophy (3)
ENGL 20	Introduction to Poetry (3)	PHIL 16	Western Religions (3)
ENGL 25	Introduction to Shakespeare (3)	PHIL 18	Eastern Religions (3)
ENGL 26	Queer Film and Literature (3)	PHO 1	History of Photography (3)
ENGL 31	Existential Literature: A Literary Approach to Self Integration (3)	RTVF 15	Introduction to Film (3)
ENGL 35	Cross-Cultural Film and Literature (3)	SPAN 14	Hispanic Short Stories (3)
ENGL 47	Native American Literature (3)	SPAN 16	Hispanic Film (3)
HIST 8	United States History to 1877 (3)		

AREA 4 — SOCIAL and BEHAVIORAL SCIENCES *One course, 3 unit minimum*

AB 22	Agricultural Economics (3)	HIST 3	World History to 1500 (3)
AGS 10	World Food and Hunger Issues (3)	HIST 5	World History Since 1500 (3)
ANTH 4	Cultural Anthropology (3)	HIST 18	Multicultural History of the United States (3)
ANTH 13	Magic, Witchcraft and Religion (3)	MCGS 8	Introduction to Multicultural and Gender Studies (3)
ANTH 14	Language and Culture (3)	MCGS 10	Introduction to Women's Studies (3)
ANTH 16	Archeology and Ancient Societies (3)	NR 26	Environmental World (3)
ANTH 18	World Cultures (3)	POLS C1000	American Government and Politics (3) (was POS 2)
ANTH 32	Native Americans (3)	POS 3	Comparative Politics (3)
ANTH 33	Ancient Mesoamerica (3)	POS 16	Vital Political Problems (3)
ASL 10	Introduction to American Deaf Culture (3)	POS 18	International Relations (3)
CDF 14	Child Growth and Development (3)	PSY 6	Abnormal Psychology (3)
CMST 9	Intercultural Communication (3)	PSY 15	Lifespan Psychology (3)
CMST 13	Gender and Communication (3)	PSY 41	Socio-Cultural Context of Psychological Development (3)
ECON 2	Principles of Macroeconomics (3)	PSYC C1000	Introduction to Psychology (3) (was PSY 1)
ECON 4	Principles of Microeconomics (3)	RTVF 12	Mass Media and Society (3)
ECON 20	Economic History of the U.S. (3)	SOC 2	Principles of Sociology (3)
ETHS 1	Introduction to Ethnic Studies (3)	SOC 4	Modern Social Problems (3)
ETHS 10	Introduction to Chicano Studies (3) (was MCGS 36)	SOC 5	Our Sustainable Future (3)
ETHS 30	Introduction to African American Studies (3) (was MCGS 32)	SOC 10	Introduction to Crime and Society (3)
GEOG 4	Cultural Geography (3)	SOC 14	Sociology of Gender (3)
GEOG 8	World Regional Geography (3)	SOC 20	Introduction to Race and Ethnicity (3)
GEOG 10	Geography of California (3)	SOC 30	Sociology of Inequality (3)

AREA 5 — PHYSICAL and BIOLOGICAL SCIENCES *One course, 3 unit minimum*

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

°NOTE: Course contains a lab component.

AREA 6 — ETHNIC STUDIES *One course, 3 unit minimum*

ETHS 10	Introduction to Chicano Studies (3) (was MCGS 36)	ETHS 40	Introduction to Asian American Studies (3) (was MCGS 38)
ETHS 30	Introduction to African American Studies (3) (was MCGS 32)		

Butte College Cal-GETC Requirements 2025-2026

New General Education Pattern for Transfer Students

Cal-GETC is the California General Education Transfer Curriculum. For students beginning college in Fall 2025 and beyond, it is the single transfer General Education (GE) pattern for all California Community College students to transfer to all California State Universities (CSU) and Universities of California (UC). Please note the below regulations regarding this GE pattern:

- Students who attended any college prior to Fall 2025 may have catalog rights to use either IGETC or CSU GE-Breadth instead of Cal-GETC **(see a counselor to confirm your catalog rights)**
- Advanced Placement (AP) or International Baccalaureate (IB) exams can be applied toward Cal-GETC certification
- International coursework may be applied if the institution has United States accreditation from an approved accreditor
- **All Cal-GETC classes must be completed with a C or higher for certification**

The UC and CSU campuses will honor certification of Cal-GETC coursework, provided that a course was on a college's approved Cal-GETC list when it was completed. For courses taken prior to Fall 2025, please consult a counselor for their GE applicability. This is strongly recommended due to the complex and changing nature of transfer requirements.

Cal-GETC Area Requirements
Complete a minimum of 34 semester units of general education from the approved list according to the following pattern:

Area 1 - English Communication
- 1A. English Composition: One course, three semester units
- 1B. Critical Thinking and Composition: One course, three semester units
- 1C. Oral Communication: One course, three semester units

Area 2 - Mathematical Concepts and Quantitative Reasoning - One course, three semester units

Area 3 - Arts and Humanities
- 3A. Arts: One course, three semester units
- 3B. Humanities: One course, three semester units

Area 4 - Social and Behavioral Sciences - Two courses, six semester units (from two different disciplines)

Area 5 - Physical and Biological Sciences
- 5A. Physical Science: One course, three semester units
- 5B. Biological Science: One course, three semester units
- 5C. Laboratory: One course, one semester unit

Area 6 - Ethnic Studies - One course, three semester units

Completion of Cal-GETC is not required for admission to a UC or CSU campus. It can meet transfer admission requirements when full certification of all areas is achieved and may be advised as part of an Associate Degree for Transfer (ADT). Please see the Transfer Considerations page for more details on UC and CSU admission requirements.

Private and Out-of-State Colleges and Universities
Many institutions may accept the completed Cal-GETC, IGETC, or CSU GE-Breadth to meet their lower-division GE requirements. Please consult the website for the college/university you are interested in transferring to in order to obtain the most up-to-date admission requirements. For private colleges, you can also look on the AICCU (Association of Independent California Colleges and Universities) Resources website at https://aiccu.edu/page/resources.

American History and Institutions
To provide an understanding and knowledge of U.S. history and government, the UC requires students to complete coursework or pass examinations to demonstrate competency in these areas. These courses may also meet General Education requirements but are not required for graduation at Butte College. **Most UC transfer students meet the American History and Institutions UC graduation requirement through work completed in high school. Students are advised to consult a counselor to determine how to meet these requirements.**

The CSU also has an American Institutions graduation requirement that can be met with the below courses:

U.S. History – ECON 20, HIST 8, HIST 10, HIST 18, HIST 26
Government – POLS C1000 (was POS 2), POS 12 (Note: POS 12 is for CSU only and does not transfer to UC)

Chico State Graduation Requirements
Chico State has local graduation requirements of one U.S. Diversity class and one Global Cultures class. Many of these courses can double count with Cal-GETC areas and are identified by asterisks (* = U.S. Diversity; ** = Global Cultures). Below is the full list of approved Butte College courses that met this area as of the 2024-25 assist.org articulation agreement. Please see assist.org to confirm the 2025-26 courses once they become available.

- **U.S. Diversity** - AJ 2, ANTH 32, ASL 1, CDF 12, CDF 14, CDF 57, CMST 9, ENGL 26, ENGL 47, GEOG 10, HIST 18, HIST 26, HIST 30, MCGS 10, PSY 41, SOC 8, SOC 14, SOC 20, SOC 30
- **Global Cultures** - AGS 10, ANTH 4, ANTH 13, ANTH 16, ANTH 18, ANTH 33, ART 1, ART 2, ART 3, ART 4, ART 6, CHIN 1, CHIN 2, ENGL 35, GEOG 4, GEOG 8, GERM 1, GERM 2, GERM 3, GERM 4, HIST 3, HIST 5, HIST 20, ITAL 1, JPN 1, JPN 2, JPN 3, JPN 4, LATN 1, LATN 2, MUS 6, MUS 9, PHIL 18, SPAN 1, SPAN 2, SPAN 3, SPAN 4

Butte College Cal-GETC Certification List 2025-2026

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

AREA 1 — ENGLISH COMMUNICATION

1A — English Composition *One course, 3 semester units*

ENGL C1000	Academic Reading and Writing (4) (was ENGL 2)	ENGL C1000E	Academic Reading and Writing (4) (was ENGL 3)

1B — Critical Thinking and Composition *One course, 3 semester units*

CMST 14	Argumentation and Debate (3)	MATH 7	Formal Logic and Writing (3)
ENGL C1001	Critical Thinking and Writing (3) (was ENGL 11)	PHIL 8	Methods of Argument

1C — Oral Communication *One course, 3 semester units*

CMST 4	Small Group Communication (3)	COMM C1000	Introduction to Public Speaking (3) (was CMST 2)

AREA 2 — MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING *One course, 3 semester units*

MATH 10	Finite Math for Liberal Arts (3)	MATH 30	Analytic Geometry and Calculus I (5)
MATH 12	Mathematics for Business Decisions (Finite Mathematics) (3)	MATH 30s	Analytic Geometry and Calculus I with Support (5)
MATH 12s	Mathematics for Business Decisions (Finite Mathematics) with Support (3)	MATH 31	Analytic Geometry and Calculus II (4)
MATH 13	Survey of Calculus (4)	MATH 32	Analytic Geometry and Calculus III (4)
MATH 13s	Survey of Calculus with Support (4)	MATH 40	Differential Equations (4)
MATH 26	College Algebra (4)	MATH 42	Linear Algebra (3)
MATH 26s	College Algebra with Support (4)	STAT C1000	Introduction to Statistics (4) (was MATH 18)
MATH 28	Precalculus (4)	STAT C1000E	Introduction to Statistics (4) (was MATH 18s)
MATH 28s	Precalculus with Support (4)		

AREA 3 — ARTS and HUMANITIES *Two courses, 6 semester units, with one course each from 3A and 3B*

3A — Arts

ART 1	Art Appreciation (3)**	MUS 2	Rap and Hip Hop Culture (3)
ART 2	Prehistoric to Gothic Art History Survey (3)**	MUS 5	American Popular Music (3)
ART 3	Asian Art History Survey (3)**	MUS 6	Women and Music (3)**
ART 4	Renaissance in Contemporary Art History Survey (3)**	MUS 7	Jazz Appreciation (3)
ART 5	1800 to Present Art History Survey (3)	MUS 8	Music of Latin America and the Caribbean (3)
ART 6	African, Oceanic and Native American Art History Survey (3)**	MUS 9	World Music (3)**
DRAM 2	Introduction to Theatre (3)	PHO 1	History of Photography (3)
MUS 1	Music Appreciation (3)	RTVF 15	Introduction to Film (3)

3B — Humanities

ASL 3	American Sign Language III (4)	HIST 8	United States History to 1877 (3)
ASL 4	American Sign Language IV (4)	HIST 10	United States History-1877 to Present (3)
CMST 6	Oral Interpretation (3)	HIST 18	Multicultural History of the United States (3)*
ENGL 4	Introduction to Literature (3)	HIST 21	History of Western Civilization I (3)
ENGL 8	British Literature I (3)	HIST 23	History of Western Civilization II (3)
ENGL 10	British Literature II (3)	HIST 26	Men and Women in American History (3)*
ENGL 14	U.S. Literature I (3)	HIST 30	History of the African American (3)*
ENGL 15	Film as Literature (3)	PHIL 2	Introduction to Philosophy (3)
ENGL 16	U.S. Literature II (3)	PHIL 4	Introduction to Ethics and the Good Life (3)
ENGL 20	Introduction to Poetry (3)	PHIL 10	History of Ancient Philosophy (3)
ENGL 25	Introduction to Shakespeare (3)	PHIL 16	Western Religions (3)
ENGL 26	Queer Film and Literature (3)*	PHIL 18	Eastern Religions (3)**
ENGL 31	Existential Literature: A Literary Approach to Self Integration (3)	SPAN 14	Hispanic Short Stories (3)

ENGL 35	Cross-Cultural Film and Literature (3)**	SPAN 16	Hispanic Film (3)
ENGL 47	Native American Literature (3)*		

AREA 4 — SOCIAL AND BEHAVIORAL SCIENCES ***Two courses, 6 semester units, with courses from two different disciplines***

Agriculture Business		**History**	
AB 22	Agricultural Economics (3)	HIST 3	World History to 1500 (3)**
Agriculture Science		HIST 5	World History Since 1500 (3)**
AGS 10	World Food and Hunger Issues (3)**	HIST 18	Multicultural History of the United States (3)*
American Sign Language		**Multicultural and Gender Studies**	
ASL10	Introduction to American Deaf Culture (3)	MCGS 8	Introduction to Multicultural and Gender Studies (3)
Anthropology		MCGS 10	Introduction to Women's Studies (3)*
ANTH 4	Cultural Anthropology (3)**	**Natural Resources**	
ANTH 13	Magic, Witchcraft and Religion (3)**	NR 26	Environmental World (3)
ANTH 14	Language and Culture (3)	**Political Science**	
ANTH 16	Archeology and Ancient Societies (3)**	POLS C1000	American Government and Politics (3) (was POS 2)
ANTH 18	World Cultures (3)**	POS 3	Comparative Politics (3)
ANTH 32	Native Americans (3)*	POS 16	Vital Political Problems (3)
ANTH 33	Ancient Mesoamerica (3)**	POS 18	International Relations (3)
Child Development		**Psychology**	
CDF 14	Child Growth and Development (3)*	PSY 6	Abnormal Psychology (3)
Communication Studies		PSY 15	LIfespan Psychology (3)
CMST 9	Intercultural Communication (3)*	PSY 41	Socio-Cultural Context of Psychological Development (3)*
CMST 13	Gender and Communication (3)	PSYC C1000	Introduction to Psychology (3) (was PSY 1)
Economics			
ECON 2	Principles of Macroeconomics (3)	**Radio, TV, Film**	
ECON 4	Principles of Microeconomics (3)	RTVF 12	Mass Media and Society (3)
ECON 20	Economic History of the U.S. (3)	**Sociology**	
Ethnic Studies		SOC 2	Principles of Sociology (3)
ETHS 1	Introduction to Ethnic Studies (3)	SOC 4	Modern Social Problems (3)
ETHS 10	Introduction to Chicano Studies (3) (was MCGS 36)	SOC 5	Our Sustainable Future (3)
ETHS 30	Introduction to African American Studies (3) (was MCGS 32)	SOC 10	Introduction to Crime and Society (3)
Geography		SOC 14	Sociology of Gender (3)*
GEOG 4	Cultural Geography (3)**	SOC 20	Introduction to Race and Ethnicity (3)*
GEOG 8	World Regional Geography (3)**	SOC 30	Sociology of Inequality (3)*
GEOG 10	Geography of California (3)*		

AREA 5 — PHYSICAL and BIOLOGICAL SCIENCES ***At least two courses, 7 semester units minimum, with one course each from 5A and 5B. One of the two courses must include a laboratory to complete the 5C requirement. Courses that meet this requirement are marked with a " ° ".***

5A — Physical Sciences			
AGS 50°	General Soils (4)	PHYS 21°	College Physics I (4)
CHEM 1°	General Chemistry I (5)	PHYS 22°	College Physics II (4)
CHEM 2°	General Chemistry II (5)	PHYS 41°	Physics for Scientists and Engineers I (4)
CHEM 11°	Introduction to Chemistry (4)	PHYS 42°	Physics for Scientists and Engineers II (4)
CHEM 21°	Organic Chemistry I (5)	PHYS 43°	Physics for Scientists and Engineers III (4)
CHEM 22°	Organic Chemistry II (5)	PSC 10°	Introduction to Environmental Science (4)
CHEM 51°	Elementary Inorganic Chemistry (5)	PSC 11°	Earth Science with Lab (4)
CHEM 52°	Elementary Organic and Biochemistry (4)	PSC 12°	Concepts in Physical Science (4)

GEOG 2/3°	Physical Geography with Lab (4)	PSC 27	Survey of the Universe (3)
GEOL 32°	Physical Geology with Lab (4)	PSC 30°	Introductory Astronomy (4)
GEOL 34°	Historical Geology with Lab (4)	PSC 50/51°	Introduction to Weather with Lab (4)
PHYS 10/11°	Concepts of Physics with Lab (4)	PSC 53	Natural Disasters and Hazards (3)

5B — Biological Sciences

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

5C — Laboratory

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

AREA 6 — ETHNIC STUDIES *One course, 3 semester units*

ETHS 10	Introduction to Chicano Studies (3) (was MCGS 36)	ETHS 40	Introduction to Asian American Studies (3) (was MCGS 38)
ETHS 30	Introduction to African American Studies (3) (was MCGS 32)		

Transfer Considerations for 2025-2026

This document is meant to inform students about unique considerations for transfer in the 2025-26 academic year. Since Cal-GETC is not a requirement for admission to a University of California (UC) or California State University (CSU), each system's general admission requirements are provided here. Individual campus and major requirements may vary. Please work with a counselor to ensure that your education plan takes all of these factors into account.

CSU Transfer Admission Requirements

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

- At least 60 CSU transferable units (Butte College courses numbered 1-99 or C1000-C1999) with a minimum 2.0 GPA
- At least 30 of the transferable units completed are at a level equivalent to general education courses
- Completion of CSU GE Areas 1A, 1B, 1C and 2 with a grade of C- or better in each

Applications and admission information for the CSU system can be accessed at www.calstate.edu/apply.

Additional CSU Considerations

Each CSU campus has its own local GE pattern. If a student is transferring without full GE certification, they will be held to the local standards of that campus for purposes of GE, major, and other graduation requirements. There may be instances in which returning students may be allowed to apply previously completed GE courses to CSU GE upon transfer that would not otherwise be accepted for Cal-GETC. Consult a counselor and/or your CSU campus of interest for more information.

UC Transfer Admission Requirements

To be eligible for UC transfer admission, students must fulfill the criteria below:

- Complete 60 semester (90 quarter) units of UC transferable college credit with a minimum 2.4 GPA (2.8 for nonresidents)
- Minimum completion of the UC's seven course pattern (see below) from the UC Transfer Admission Eligibility course list with a grade of C or better in each course. Please note that these course areas do not necessarily correspond with Cal-GETC areas of a similar name. See www.assist.org for a full list of eligible courses.
    - Two UC transferable college courses (3 semester or 4-5 quarter units each) in English Composition
    - One UC transferable college course (3 semester or 4-5 quarter units) in Mathematical Concepts/Quantitative Reasoning
    - Four UC transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: Arts and Humanities, Social and Behavioral Sciences, Physical and Biological Sciences
- No more than 14 semester (21 quarter) units may be taken Pass/No Pass, unless the student is transferring from an institution that only awards Pass/No Pass

Additional UC Considerations

Individual campus and major GPA requirements may be higher than the 2.4 GPA systemwide minimum. Students are advised to complete the recommended major preparation courses as listed on www.assist.org for the desired major and UC campus in order to be a competitive applicant.

Transfer Pathways are major preparation course recommendations for the most popular transfer majors for students who are unsure which UC campus they will ultimately attend. For more information, see link: admission.universityofcalifornia.edu/admission requirements/transfer-requirements/uc-transfer-programs/transfer-pathways/

Language Other Than English (LOTE) is a graduation requirement for most UC campuses. This is often fulfilled with 2 years of high school study in the same language or the equivalent (2 Butte College semesters in the same language). Please work with a counselor and consult the individual UC campus you are applying to for their LOTE requirement.

Students who were previously enrolled at a UC campus and wish to return to that same campus should consult the Registrar's Office at that campus for readmission/reinstatement requirements. Applications and admission information can be found at admission.universityofcalifornia.edu/apply-now.

Common Course Numbering (CCN)

To simplify credit transfer between institutions, California Community Colleges have adopted a statewide numbering system through the Common Course Numbering project (AB 1111). This system will eventually provide a standardized set of subjects and course numbers across all California Community Colleges, ensuring that commonly numbered courses have the same identifier, regardless of the college offering them. The first eight of these courses are being implemented in Fall 2025 (see table below). Additional courses will be converted to commonly numbered courses over the next several years.

Old Course	New Course
CMST 2 Public Speaking	COMM C1000 Introduction to Public Speaking
ENGL 2 Reading and Composition	ENGL C1000 Academic Reading and Writing
ENGL 3 Reading and Composition Intensive	ENGL C1000E Academic Reading and Writing
ENGL 11 Communication and Critical Thinking	ENGL C1001 Critical Thinking and Writing
POS 2 United States Government	POLS C1000 American Government and Politics
PSY 1 Principles of Psychology	PSYC C1000 Introduction to Psychology
MATH 18 Introduction to Statistics	STAT C1000 Introduction to Statistics
MATH 18s Introduction to Statistics with Support	STAT C1000E Introduction to Statistics

Academic Program Types and Requirements

Butte College Degrees and Certificates

Butte College is authorized by the Board of Governors of the California Community Colleges to confer the associate degree for transfer, associate in arts degree, associate in science degree and certificate of achievement upon students who complete the necessary requirements. Each degree program requires completion of specific major and general education requirements.

Associate Degree for Transfer AA-T/AS-T

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

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

Local Associate Degrees AA/AS

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

Certificates of Achievement (CA) and Certificates (CERT)

Certificates of Achievement (CA) and Certificates (CERT) are designed to provide students with a specific skill set or mastery of a body of knowledge to enter skilled employment or as a developmental milestone toward entry into specific careers.

Certificates are often used as building blocks to larger programs, such as a certificate of achievement or degree (major requirements plus general education).

Requirements for each program level

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

- Completion of at least 60 semester units of CSU-transferable courses (numbered 1-99 or C1000-C1999)
- Minimum cumulative grade point average (GPA) of 2.0
- Minimum grade of “C” (or “P”) for each course in the major
- Completion of Cal-GETC (general education pattern)
- Completion of an AA-T or AS-T major as detailed in the specific program requirements (minimum 18 semester units)
- Minimum of 12 units in residence at Butte College
- Complete a graduation application with a counselor by the deadline in the Academic Calendar

AA/AS (Associate Degree)

- Completion of at least 60 semester units (courses numbered 1-199 or C1000-C1999)
- Minimum grade point average (GPA) of at least 2.0 in all degree-applicable coursework
- Completion of one general education pattern
- Completion of an AA or AS major as detailed in the specific program requirements (minimum 18 semester units)
- Completion of a minimum of two units from Self-Integration, Physical Education Activity, or Career Technical Education (CTE) Pathways Exploratory courses
- Minimum of 12 units in residence at Butte College
- Complete a graduation application with a counselor by the deadline in the Academic Calendar

CA (Certificate of Achievement)

- Completion of Certificate of Achievement sequence of coursework
- “C” grade or better for each course in the prescribed certificate
- Minimum of 6 units in residence at Butte College
- Submit Certificate of Achievement application found on the Academic Programs page of the Butte College website

CERT (Certificate)

- Completion of a Certificate sequence of coursework
- “C” grade or better for each course used in the prescribed certificate
- See responsible department office listed in the catalog

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

Application Requirements

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

Limitation to Degree Requirements

Units graded Pass/No Pass—A maximum of 8 units graded with the symbol "P," if optionally elected, apply toward graduation (this limitation is not subject to waiver).

Scholarship Requirement

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

Residence Requirement

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

General Education Philosophy and Student Learning Outcomes

General Education involves much more than the acquisition of knowledge. It also involves using that knowledge to solve problems, reach academic and career goals, and achieve a deeper self-understanding. General education is designed to familiarize students with the foundation, exploration, and application of multiple areas of knowledge.

General education provides an integrated program of study through which students can achieve measurable outcomes. General education at Butte College is rooted in the college's mission to promote learning as a lifelong endeavor.

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

Upon completion of general education requirements for an associate degree, students will be able to:

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

Alignment to ACCJC Standard 2

Butte College delivers high-quality academic and learning support programs that engage and support students through their unique educational journeys. Academic and learning support programs promote equitable student success, and the institution evaluates student learning and achievement data to inform improvements and advance equitable outcomes.

Local Graduation Requirement

Students must complete a minimum of two semester units from Self-Integration, Physical Education Activity, or Career Technical Education (CTE) Pathways Exploratory courses. Courses that satisfy this graduation requirement are listed on the Butte College Local GE Guide in this catalog.

Certain exemptions apply to the two-unit graduation requirement:

- Any veteran with a DD-214 (credit for military service)
- Any student completing one of the following programs: Agriculture Business, Automotive/Diesel Technology (all), Construction Management, Drafting and CAD Technology, Law Enforcement Academy (all), Mechanized Agriculture, Natural Resources Management, Nursing and LVN (all), Paramedic, Respiratory Care, and Welding Technology
- Any student who (a) has previously completed an associate degree at any regionally accredited institution, (b) completes an associate degree for transfer, or (c) completes an associate degree using a transfer GE pattern
- Any student who has previously completed a baccalaureate degree at any regionally accredited institution

Academic Programs

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

PROGRAM	ADT	AS/AA	CA	CC
AB — Agriculture Business				
Agriculture Business	x	x	x	
ACCT — Accounting				
Accounting		x	x	
Account Clerk				x
Governmental and Nonprofit Accounting				x
Professional Accountant			x	
Tax Preparer				x
AET — Agricultural Engineering Technology				
Heavy Equipment Operator Technician			x	
Mechanized Agriculture		x	x	
AGS — Agriculture Science				
Agriculture Science		x		
AJ — Administration of Justice				
Administration of Justice	x	x	x	
Court Personnel/Pre-law		x	x	
Criminal Justice		x		
AJLE — Administration of Justice-Law Enforcement				
Law Enforcement Academy-Basic		x	x	
Law Enforcement Academy-Basic/Fish & Wildlife Emphasis		x	x	
Law Enforcement Academy-Basic/State Parks Emphasis		x	x	
ALH — Allied Health				
Allied Health				x
ANTH — Anthropology				
Anthropology	x			
ART — Art				
Art History	x			
Arts		x		
Ceramics		x	x	
Studio Arts	x			
AUT — Automotive Technology				
Automotive Technology		x	x	
Automotive Technology-Honda (PACT)		x	x	
Diesel Technology		x	x	
BCIS — Business Computer Information Systems				
Basic Computer Competency				x
Business Information Worker		x	x	x
Legal Office Administration		x	x	x
Medical Office Administration		x	x	x
BIOL — Biology				
Biological Science		x		
Biology	x			
Health Occupations Preparation		x		
BUS — Business				
Business Administration 2.0	x			
Business Administration		x		
Business Management		x	x	
Business on the Web				x
Human Resources				x
Marketing		x	x	
Project Management			x	
Retail Management			x	
Small Business/Entrepreneurship		x		
CDF — Child Development and Family Relations				
Child and Adolescent Development	x			
Early Childhood Education	x		x	x
CHEM — Chemistry				
Chemistry		x		
CMST — Communication Studies				
Communication Studies 2.0	x			
Communication Studies		x		
CNST — Construction				
Applied Construction			x	
Construction Management		x	x	
COS — Cosmetology				
Cosmetology		x	x	
Hair Styling				x
Manicuring				x
CSCI — Computer Science				
Cisco Network Administration				x
Computer Animation and Game Development		x		
Computer Information Systems		x		
Computer Programming		x	x	
Computer Science	x	x		
Computer Support Technician				x
Computer System Administration		x	x	
Cyber-Security Practitioner		x	x	
Linux Pro				x
Security Pro				x
Server Administration				x
DFT — Drafting				
3D Mechanical Applications				x
Architectural Drafting & Modeling				x
Drafting and CAD Technology		x	x	
DRAM — Drama				
Theatre Arts	x			x
ECON — Economics				
Economics	x			

PROGRAM	ADT	AS/AA	CA	CC
EDUC — Education				
Elementary Teacher Education	x			
Liberal Studies		x		
Liberal Studies: Bilingual Pattern		x		
Para Education				x
EH — Environmental Horticulture				
Agriculture Plant Science	x			
Environmental Horticulture		x	x	
Landscape/Turfgrass Technician			x	
Nursery Technician			x	
Plant Protection			x	
EMS — Emergency Medical Services				
Emergency Medical Responder (EMR)				x
Emergency Medical Technician (EMT)				x
Paramedic		x	x	
ENGL — English				
English	x			
Language Arts		x		
ENGR — Engineering				
Civil Engineering		x	x	
Civil Engineering Technology		x	x	
Computer Engineering		x	x	
Electrical Engineering		x	x	
Engineering Fundamentals			x	
Engineering Support Technician			x	
Mechanical Engineering		x	x	
Mechatronic Engineering		x	x	
ESL — English as a Second Language				
Noncredit Certificate of Competency in ESL				x
FASH — Fashion				
Clothing Construction				x
Fashion Design				x
Fashion Merchandising		x	x	
FSC — Fire Science				
BASIC 32				x
Fire Technology		x	x	
Firefighter I and II Academy			x	
FN — Foods and Nutrition				
Nutrition & Dietetics	x			
Nutrition & Food Science		x		
GEOG — Geography				
Geography	x			
GEOL — Geology				
Geology	x			
HIM — Health Information Management				
Medical Coding			x	
HIST — History				
History	x			

PROGRAM	ADT	AS/AA	CA	CC
HVAC — Heating, Ventilation, and Air Conditioning				
Commercial HVACR			x	
HVACR		x	x	
HVACR Level I				x
HVACR Level II				x
HVACR Level III			x	
HVACR Level IV			x	
Residential HVACR			x	
JOUR — Journalism				
Journalism	x			
KIN — Kinesiology				
Kinesiology	x	x		
Physical Education: Exercise Physiology		x		
MATH — Mathematics				
Mathematics	x	x		
MCGS — Multicultural and Gender Studies				
Multicultural and Gender Studies		x		
MFG — Manufacturing				
Advanced Manufacturing		x	x	
Advanced Manufacturing Level I			x	
Advanced Manufacturing Level II			x	
Advanced Manufacturing Level III				x
Advanced Manufacturing Level IV				x
Manufacturing Operations			x	
Production Management			x	
MSP — Multimedia Studies Program				
2D Animation and Games				x
Graphic Design		x		
Graphic Design for Print		x		
Multimedia Studies		x	x	
MUS — Music				
Music	x	x	x	
Music Theory and Composition			x	
Recording Arts		x	x	
NR — Natural Resources				
Ecological Restoration				x
Forestry Technician				x
Natural Resources Management		x		
Parks and Recreation				x
Wildlife Technician				x
NSG — Nursing				
Accelerated Track Registered Nursing		x		
Accelerated Track Registered Nursing: LVN to ADN		x	x	
Acute Care Nurse Assistant				x
Certified Nursing Assistant				x
Home Health Aide for the CNA				x
Licensed Vocational Nursing		x	x	

PROGRAM	ADT	AS/ AA	CA	CC
Registered Nursing		x		
Registered Nursing: LVN to ADN		x	x	
OLS — Occupational and Life Skills				
Noncredit Certificate of Completion in Navigating Workplace Success				x
Noncredit Certificate of Completion in Occupational and Life Skills				x
PHIL — Philosophy				
Philosophy	x			
PHO — Photography				
Photography		x		
Professional Photography				x
PHYS — Physics				
General Physics		x		
Physics	x			
POS — Political Science				
Political Science	x			
PSC — Physical Science				
Environmental Science		x		
Physical Science		x		
PSY — Psychology				
Psychology	x			
RLS — Real Estate				
Real Estate		x	x	
Real Estate Appraisal				x
Real Estate Sales				x

PROGRAM	ADT	AS/ AA	CA	CC
RT — Respiratory Therapy				
Respiratory Care		x		
RTVF — Radio-TV-Film				
Film, Television and Electronic Media	x			
Mass Media Studies				x
Radio-TV-Film: Video Production		x	x	
Single Camera Video Production				x
SOC — Sociology				
Sociology	x			
Sustainability Studies				x
SPAN — Spanish				
Spanish	x			
SPED — Special Education Training				
Special Education for Instructional Service Agreement Instructors				x
WLD — Welding				
PowerPathway Gas Pipeline Welding				x
Welding Technology		x	x	
Welding Technology Level I				x
Welding Technology Level II				x
General Studies				
Arts and Humanities		x		
Mathematics and Science		x		
Social Science		x		
Cal-GETC			x	

Department Chair Contacts

Instructional Area	Dept Office	Dept Phone	Department Contact	Contact Email	Contact Phone
BCAD – Business, Cosmetology, Arts & Design					
Business Education	BE 116	(530) 895-2371	Dr. Kenneth Bearden	beardenke@butte.edu	(530) 895-2213
Cosmetology	Cosmetology Center	(530) 895-2202	Felicia Flores	floresfe@butte.edu	(530) 895-2344
Performing Arts	ARTS 224	(530) 895-2994	Ryan Heimlich	heimlichry@butte.edu	(530) 879-6148
Visual Arts & Design	ARTS 224	(530) 895-2404	Sara Smallhouse	smallhousesa@butte.edu	(530) 895-2259
HPS – Health & Public Services					
Administration of Justice and Fire Science	AHPS 144	(530) 895-2402	Marshall Haslem	haslemma@butte.edu	(530) 895-2933
Allied Health and Nutrition	AHPS 251	(530) 895-2542	Lisa Gunn	gunnli@butte.edu	(530) 895-2423
Child Development and Education	AHPS 251	(530) 895-2542	Dr. Shaun-Adrian Chofla	choflash@butte.edu	(530) 895-2550
Health, Kinesiology, Athletics	WLR 102	(530) 895-2521	Jeff Jordan	jordanje@butte.edu	(530) 895-2802
Nursing	AHPS 251	(530) 895-2328	Laurie Bowles	bowlesla@butte.edu	(530) 895-2356
Public Safety - Law/Fire/Parks Academy	AHPS 144	(530) 895-2401	Don Beasley	beasleydo@butte.edu	(530) 895-2405
ITAG – Industrial Technologies & Agriculture					
Agriculture, Environmental Horticulture, Natural Resources	WM 105	(530) 895-2551	Ricky Wittsell	wittsellri@butte.edu	(530) 879-6194
Auto, Honda PACT, Diesel Technology	SC 115	(530) 893-7726	Craig Kielb	kielbcr@butte.edu	(530) 892-3013
Industrial Technologies	WM 105	(530) 895-2551	Tom Williams	williamsth@butte.edu	(530) 895-2496
Welding Technology	WM 107	(530) 895-2501	Chris Armitage	armitagech@butte.edu	(530) 895-2911
SBSC – Social & Behavioral Sciences & Communication					
Communication Studies, Ethnic Studies, World Languages	LRC 304	(530) 893-7557	Deb McCabe	mccabede@butte.edu	(530) 895-2287
English & Journalism	LRC 304	(530) 893-7557	Dr. Katherine MacKinnon	mackinnonka@butte.edu	(530) 895-2893
Social & Behavioral Sciences	LRC 320	(530) 895-2471	Dr. Nathen Murawski	murawskina@butte.edu	(530) 895-2857
Sociocultural Studies	LRC 320	(530) 895-2471	Cynthia Bynoe	bynoecy@butte.edu	(530) 879-4136
STEM – Science, Technology, Engineering & Mathematics					
Biology	MATH 104B	(530) 879-6106	Kelly Wood	woodke@butte.edu	(530) 895-2580
Computer Science & Engineering	MATH 104B	(530) 879-6106	Luke Sathrum	sathrumlu@butte.edu	(530) 895-2219
Mathematics	MATH 104B	(530) 879-6106	Brooke Kennedy	kennedybr@butte.edu	(530) 895-2272
Physical Science	MATH 104B	(530) 879-6106	Dr. Michael Panunto	panuntomi@butte.edu	(530) 895-2229
Special Programs	LRC 304	(530) 895-2497	Dr. Teresa Ward	wardte@butte.edu	(530) 895-2844
Counseling & Advising	SAS 134	(530) 895-2378		www.butte.edu/counseling	
Transfer Counseling	SAS 110	(530) 895-2264		www.butte.edu/transfer	

Programs by Communities of Interest

Business, Cosmetology, Arts & Design

From boardrooms to creative studios, the BCAD Community of Interest brings together programs that prepare students for careers in business, personal services, and the arts. Whether you're launching a small business, designing digital media, creating musical and theatrical experiences or styling hair and nails, BCAD offers hands-on learning, professional certifications, and transfer-ready degrees that empower creativity and entrepreneurship.

Business Education/Business Computer Information Systems

Dept Chair Contact: Dr. Kenneth Bearden - BE 116 - (530) 895-2213 - beardenke@butte.edu

AS Degree in Accounting

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01308.00AS

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

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

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

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

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

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

Total: 39.00

Certificate of Achievement in Accounting

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01308.00CA

See AS Degree in Accounting.

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

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

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

Total: 28.00

Certificate in Account Clerk

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ACCT.CC

(Not Eligible for Financial Aid) See AS Degree in Accounting.

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

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

Required courses:		14.00-15.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BCIS 13	Business Communication	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 81	Microsoft Excel for Business	1.00
Select one:		2.00-3.00
ACCT 20	Introduction to Accounting	3.00
ACCT 128	Small Business Accounting	2.00

Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 62	Money & Happiness: Cultural, Psychological and Economic Factors	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 14.00-15.00

Certificate in Basic Computer Competency

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: COMPUTERCOMP.CC

(Not Eligible for Financial Aid) This certificate is an introduction to basic computer applications and business technology.

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

1. Apply knowledge of basic computer operations, use input technology, and apply knowledge of file management and the operating system.
2. Identify and describe current technologies used in today's businesses and apply these technologies to solve business problems, improve organizational productivity, and achieve the goals of business.
3. Demonstrate a minimum keyboarding skill of 25 words per minute.

Required courses:		5.50
BCIS 18	Introduction to Business Technology	3.00
BCIS 84	Basics of Computers	1.00
Select one:		1.50
BCIS 20	Beginning Keyboarding	1.50
BCIS 24	Advanced Keyboarding	1.50

Total: 5.50

AS-T Degree in Business Administration 2.0

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 41755.30AS-T

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

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

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

		27.00-28.00
Required courses:		27.00-28.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		3.00-4.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
MATH 12s	Mathematics for Business Decisions (Finite Mathematics) with Support	3.00
MATH 13	Survey of Calculus	4.00
MATH 13s	Survey of Calculus with Support	4.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 27.00-28.00

AS Degree in Business Administration

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01307.01AS

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

Business Administration is the overarching preparation for options in Management, Marketing, Finance, Human Resource Management, and Accounting. To be successful students need basic competence in reading, written and oral communication, and mathematics. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

Students completing this degree are eligible for entry level work in business. The program is designed to teach students practical skills to solve problems, organize tasks, work with and lead others, develop business strategies, make oral presentations, write reports such as business plans or case analyses.

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

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

Required courses:		24.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BUS 20	Introduction to Business	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		3.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
MATH 12s	Mathematics for Business Decisions (Finite Mathematics) with Support	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 24.00

AS Degree in Business Information Worker

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01313.02AS

The Business Information Worker (BIW) program is a two-tiered, structured career pathway for students who are interested in entering the exciting and diverse career field of office and administrative support. Butte College's BIW pathway is aligned with a California statewide program that collaborated with businesses and advisory committees across the state to identify the most in-demand and desirable knowledge and skills required of today's business information workers. Additionally, this pathway clearly communicates to students what skills they need to be successful in today's businesses, as well as provides a branded BIW pathway for businesses to quickly recognize on resumes. Please visit the ICT-DM.NET./BIW site to obtain more information and locate support resources for this pathway.

Students graduating from the BIW program gain proficiency in business communication, professional development, records management, technology tools used to support businesses to achieve goals, such as Microsoft Office applications, collaboration tools, and desktop publishing applications.

Career related fields for the BIW include office and administrative support workers, administrative assistants, receptionists, office specialists, customer service representatives, general office and information clerks, and file clerks.

Students who have earned the AS degree in BIW will have also completed the BIW Certificate and the BIW Certificate of Achievement. Taken full-time, this program can be completed in two years.

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

1. Manage office information and records.
2. Communicate professionally and work effectively in a team
3. Produce business documents with appropriate formatting using word processing software.
4. Create spreadsheets with financial functions and charting.
5. Plan and deliver individual or team oral presentations for business meetings.
6. Use email and calendaring software to communicate and manage time.
7. Apply the features and functions of web-based tools efficiently and effectively in order to meet the desired goals and outcomes of business.

Required courses:	29.50

BCIS 13	Business Communication	3.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 16	Project Management Tools	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 50	Office Administration	3.00
BCIS 51	Records Management	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BCIS 85	Microsoft Excel for Windows	3.00

Total: 29.50

Certificate of Achievement in Business Information Worker

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01313.02CA

This is the second tier of the Business Information Worker (BIW) career pathway. Students completing this next level of certificate will take courses that are designed to build on their BIW solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by employers.

Career related fields include office and administrative support workers, administrative assistants, receptionists, office specialists, customer service representatives, general office and information clerks, and file clerks. This certificate of achievement can be completed in one year.

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

1. Communicate professionally and work effectively in a team.
2. Manage office information in both physical and electronic formats.
3. Produce business documents with appropriate formatting using word processing applications.
4. Create spreadsheets with financial functions and charts.
5. Plan and deliver individual or team oral presentations for business meetings.
6. Use management software used in today's successful businesses.
7. Apply the features and functions of web-based tools efficiently and effectively in order to meet the desired goals and outcomes of business.

Required courses:		29.50
BCIS 13	Business Communication	3.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 16	Project Management Tools	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 50	Office Administration	3.00
BCIS 51	Records Management	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BCIS 85	Microsoft Excel for Windows	3.00

Total: 29.50

Certificate in Business Information Worker

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: BIW.CC

(Not Eligible for Financial Aid) This is the first tier of the Business Information Worker (BIW) career pathway. Students completing this beginning certificate will take courses that are designed to provide students with a solid foundation in business communication; business math; professional development; keyboarding; Microsoft Windows, Word, Excel, Access, and Outlook; and additional business technology tools including collaboration tools.

Career related fields include administrative assistants, office workers, office specialists, and customer service representatives. This certificate can be completed in one semester.

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

1. Solve mathematical problems; analyze and interpret data; and apply sound decision-making skills.
2. Identify and describe current technologies used in today's businesses and apply these technologies to solve business problems, improve organizational productivity, and achieve the goals of business.

Required courses:		13.50
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00

Total: 13.50

Certificate in Business on the Web

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: BUSONWEB.CC

(Not Eligible for Financial Aid) Students are introduced to web marketing tools, strategies, application and measurement. It examines benefits and challenges associated with web marketing technologies including web site development, search engine optimization, online advertising, social media, email campaigns, blog marketing, digital public relations, multimedia and mobile marketing. Students will learn how to create a web marketing strategy and then apply web marketing technologies in a measurable way to achieve business objectives.

The certificate is designed to provide students with an exposure to web marketing tools and strategies which would qualify the student to work as a web assistant to help manage a company’s online presence.

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

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

Required courses:		15.00
BCIS 13	Business Communication	3.00
BCIS 15	Web-based Tools for Business	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 64	Principles of Marketing	3.00
BUS 68	Web Marketing	3.00

Total: 15.00

AS Degree in Business Management

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01310.00AS

The Business Management program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, basic marketing principles, accounting, business law, economics and business computer applications. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

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

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

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		37.00-39.00
ACCT 20	Introduction to Accounting	3.00
BCIS 13	Business Communication	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
BUS 64	Principles of Marketing	3.00
COMM C1000	Introduction to Public Speaking	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		2.00-4.00
ACCT 4	Managerial Accounting	4.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 85	Microsoft Excel for Windows	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 68	Web Marketing	3.00

Total: 37.00-39.00

Certificate of Achievement in Business Management

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01310.00CA

See AS Degree in Business Management.

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

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		30.00
ACCT 20	Introduction to Accounting	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 20	Introduction to Business	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
BUS 64	Principles of Marketing	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		3.00
BCIS 13	Business Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 30.00

AA-T Degree in Economics

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 33927.31AA-T

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

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

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

Required courses:		20.00-23.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		4.00-5.00
MATH 13	Survey of Calculus	4.00
MATH 13s	Survey of Calculus with Support	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List A (Select one):		3.00-4.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
MATH 12	Mathematics for Business Decisions (Finite Mathematics)	3.00
MATH 12s	Mathematics for Business Decisions (Finite Mathematics) with Support	3.00
MATH 31	Analytic Geometry and Calculus II	4.00
List B (Select one or any course from List A not already used):		3.00-4.00
ECON 20	Economic History of the U.S.	3.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 42	Linear Algebra	3.00

Total: 20.00-23.00

Certificate in Governmental and Nonprofit Accounting

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: GOVNPROF.CC

(Not Eligible for Financial Aid) This certificate will deepen your understanding of fundamental accounting concepts while providing valuable insights into governmental and nonprofit accounting. Whether you're looking to enhance your job readiness, update your skills, or advance into more responsible positions within a governmental or nonprofit organization, this program is designed to support your goals.

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

1. Utilize double entry bookkeeping system to record common business transactions.
2. Prepare accurate reports for fund accounting, regulatory compliance and decision making.
3. Utilize accounting and business terminology when discussing governmental and nonprofit organizations.

Required courses:		9.00-10.00
ACCT 53	Governmental and Non-Profit Accounting	3.00
Select one:		3.00-4.00

ACCT 2	Financial Accounting	4.00
ACCT 20	Introduction to Accounting	3.00
Select one:		3.00
ACCT 110	Accounting for Payroll	3.00
BCIS 13	Business Communication	3.00
BCIS 16	Project Management Tools	3.00
BCIS 85	Microsoft Excel for Windows	3.00

Total: 9.00-10.00

Certificate in Human Resources

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: HUMANRES.CC

(Not Eligible for Financial Aid) Students explore issues in Human Resource Management including: changing government and legal requirements, downsizing, attention to and appreciation for diversity, global workforce development, the role of information systems, and changing cultural and economic factors.

The certificate is designed to provide students with an exposure to management and human resource concepts which would qualify the student to work human resource assistant. Human resource assistants help with recruiting, hiring, employee orientation, training, development, compensation, benefits, safety and wellness of employees.

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

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

Required courses:		15.00
ACCT 110	Accounting for Payroll	3.00
BUS 8	Introduction to Business Law	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00

Total: 15.00

AS Degree in Legal Office Administration

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01314.01AS

The Legal Office Administration (LOA) program is a two-tiered, structured career pathway for students who are interested in entering into the challenging and highly specialized field of legal office support. Employers in the law field are looking for support personnel who have knowledge in the area of legal office procedures, processes, and research, as well as general knowledge of office administration. The LOA program is designed to meet the demands of employers and the needs of an increasingly global and technologically advancing legal industry.

As a career, the highly specialized legal field offers employment in areas such as criminal, family, probate, civil, real estate, environmental, corporate, public interest, and intellectual property law. The legal office professional's job duties may include preparing legal forms such as complaints, motions, subpoenas, affidavits, and briefs; processing legal documents; assisting with legal research; filing court papers; preparing legal communications; utilizing various office technologies; auditing financial records; scheduling meetings and calendaring court dates; handling confidential information; and taking notes on proceedings. Students graduating from the LOA program gain proficiency in beginning and advanced legal office procedures, legal research, the legal environment of business, business communication, professional development, records management, and the technology tools used to support businesses to achieve goals, such as Microsoft Office applications, collaboration tools, and Adobe Acrobat. Throughout the program, students are exposed to a wide variety of hands-on practical applications with an emphasis on organizational, critical thinking and problem-solving skills.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant.

Students interested in earning an AS degree in LOA will have successfully completed the LOA Certificate and the LOA Certificate of Achievement along with general education requirements and any electives required. Taken full-time, this program can be completed in two years.

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

1. Identify and explain the difference among the six areas law.
2. Demonstrate workflow processes of a legal environment.
3. Analyze and assess legal clients' needs to determine appropriate solutions.
4. Apply computer skills to legal office activities.
5. Utilize proper legal writing skills in all client and colleague communication.

Required courses:		28.50
AJ 3	Legal Research	2.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 51	Records Management	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BUS 8	Introduction to Business Law	3.00

Total: 28.50

Certificate of Achievement in Legal Office Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01314.01CA

This is the second tier of the Legal Office Administration (LOA) career pathway. Students completing this next level of certificate will take courses that are designed to build on their LOA solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by employers.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant. This Certificate of Achievement can be completed in one year.

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

1. Identify and explain the difference among the six areas of law.
2. Analyze and assess legal clients' needs to determine appropriate solutions.
3. Apply computer skills to legal office activities.
4. Utilize proper legal writing skills in all client and colleague communication.

Required courses:		28.50
AJ 3	Legal Research	2.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 46	Business Math Calculations	2.00
BCIS 51	Records Management	3.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00
BCIS 70	Adobe Acrobat Professional	1.00
BUS 8	Introduction to Business Law	3.00

Total: 28.50

Certificate in Legal Office Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: BCISLEGALADM.CC

(Not Eligible for Financial Aid) This is the first tier of the Legal Office Administration (LOA) career pathway. Students completing this beginning certificate will take courses that are designed to provide students with a solid foundation in beginning legal office procedures; business communications; professional development; keyboarding; Microsoft Windows, Word, Excel, Access, and Outlook; and additional business technology tools including collaboration tools.

Career related fields for the LOA include Legal Administrative Assistant, Legal Assistant, Legal Staff Assistant, and Legal Office Assistant. This certificate can be completed in one semester.

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

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

Required courses:		14.50
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 28	Microsoft Word for Windows	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 59	Beginning Legal Office Procedures	3.00

Total: 14.50

AS Degree in Marketing

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01311.00AS

The Marketing program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, accounting, and economics with an emphasis in marketing principles, sales, and advertising. To be successful students need basic competence in reading, written and oral communication, and mathematics. Students in this field should possess an interest in working with others, developing business strategies, and responding to today's competitive business environment.

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

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

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		41.00
ACCT 20	Introduction to Accounting	3.00
BCIS 13	Business Communication	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 64	Principles of Marketing	3.00
BUS 68	Web Marketing	3.00

COMM C1000	Introduction to Public Speaking	3.00
ECON 4	Principles of Microeconomics	3.00
Select 6 units:		6.00
ART 31	Graphic Design I	3.00
BCIS 15	Web-based Tools for Business	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 25	Introduction to Entrepreneurship	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 74	Multimedia Production I	3.00

Total: 41.00

Certificate of Achievement in Marketing

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01311.00CA

See AS Degree in Marketing.

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

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly changing environment.

Required courses:		29.00
ACCT 20	Introduction to Accounting	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
BUS 20	Introduction to Business	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00
BUS 64	Principles of Marketing	3.00
BUS 68	Web Marketing	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		3.00
BCIS 13	Business Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 29.00

AS Degree in Medical Office Administration

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01315.01AS

The Medical Office Administration (MOA) program is a two-tiered, structured career pathway for students who are interested in providing office support in the exciting and demanding healthcare industry. The MOA career pathway is a blend of three major areas: the advancing field of health information management (HIM), the ever-emerging field of business technology, and the constantly in-demand communication and professional skills; and it is designed to prepare students with the knowledge and skills required of today's medical office support personnel. The types of healthcare delivery systems in the United States today vary depending on the services being offered. These systems include outpatient healthcare (a physician's office, a dentist's office, and many other types of healthcare providers' facilities) and inpatient healthcare (general medical and surgical hospitals). These systems can be complex in purpose and structure. However, all healthcare organizations demand a common set of knowledge and skills from their medical office support personnel, which includes a broad understanding of healthcare delivery systems, health information management systems and practices, proficient technology skills, and a high-level of professionalism.

To meet these demands, the MOA career pathway includes courses in healthcare delivery systems, health information management systems, human systems, medical terminology, electronic health records, healthcare law and ethics, healthcare coding systems, healthcare reimbursement methodologies, electronic health records, Microsoft Office Applications (Word, Excel, PowerPoint, and Access), collaboration tools, business

communication, and professional development. Career related fields for the MOA include Medical Office Receptionist, Medical Office Assistant, Front Office Representative, Medical Records Administrative Assistant, Insurance Verification Specialist, and Medical Intake Specialist. In the workplace, students can expect to perform medical office support duties including scheduling appointments; compiling and recording medical charts, reports, and correspondence; and coding health records; and billing patients. Students interested in earning an AS degree in MOA will have successfully completed the MOA Certificate and the MOA Certificate of Achievement along with general education requirements and any electives required. Taken full time, this program can be completed in two years.

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

1. Apply knowledge of medical terminology to perform outpatient/physician diagnostic coding, and determine outpatient/procedural coding based on the abstraction of medical records.
2. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and CPT codes needed to maximize compensation for services rendered.
3. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.
4. Describe the outpatient medical workplace environment and function in that environment as a knowledgeable, skilled, and professional team member.

Required courses:		28.50-29.50
ALH 104	Medical Terminology	3.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50
BCIS 33	Skills for the Working Professional	1.00
BCIS 99	Work Experience-BCIS	1.00
HIM 56	Introduction to Health Information Management	2.00
HIM 58	Healthcare Law and Ethics	2.00
HIM 62	Introduction to Medical Coding	3.00
HIM 63	Reimbursement	3.00
HIM 76	Electronic Health Records	3.00
Select one:		3.00-4.00
BIOL 2	Introduction to Human Biology	3.00
BIOL 10	Survey of Human Systems	4.00
BIOL 20	Human Anatomy	4.00

Total: 28.50-29.50

Certificate of Achievement in Medical Office Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01315.01CA

This is the second tier of the Medical Office Administration (MOA) career pathway. Students completing this next level of certificate will take courses that are designed to build on their MOA solid foundation and allow students an opportunity to become proficient in the in-demand knowledge and skills sought out by the healthcare industry.

Career related fields for the MOA include Medical Office Receptionist, Medical Office Assistant, Front Office Representative, Medical Records Administrative Assistant, Insurance Verification Specialist, and Medical Intake Specialist. This certificate of achievement can be completed in one year.

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

1. Apply knowledge of medical terminology to perform outpatient/physician diagnostic coding, and determine outpatient/procedural coding based on the abstraction of medical records.
2. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and CPT codes needed to maximize compensation for services rendered.
3. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

Required courses:		27.50-28.50
ALH 104	Medical Terminology	3.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 20	Beginning Keyboarding	1.50

BCIS 33	Skills for the Working Professional	1.00
HIM 56	Introduction to Health Information Management	2.00
HIM 58	Healthcare Law and Ethics	2.00
HIM 62	Introduction to Medical Coding	3.00
HIM 63	Reimbursement	3.00
HIM 76	Electronic Health Records	3.00
Select one:		3.00-4.00
BIOL 2	Introduction to Human Biology	3.00
BIOL 10	Survey of Human Systems	4.00
BIOL 20	Human Anatomy	4.00

Total: 27.50-28.50

Certificate in Medical Office Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: MEDOFFADMIN.CC

(Not Eligible for Financial Aid) This is the first tier of the Medical Office Administration (MOA) career pathway. Students completing this beginning certificate will have taken courses that are designed to provide students with a solid foundation in business communications, business technology tools, keyboarding, medical terminology, human systems, and the health information management field.

Career related fields includes Medical Office Receptionist, Medical Office Assistant, and Front Office Representative. This certificate can be completed in one semester.

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

1. Analyze and interpret medical information and apply sound decision-making skills pertaining to the appropriate ICD and CPT codes needed to maximize compensation for services rendered.
2. Apply effective listening, verbal, written, interpersonal, and technological communication skills which prepare them for the outpatient medical workplace.

Required courses:		14.00-15.00
ALH 104	Medical Terminology	3.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00
HIM 56	Introduction to Health Information Management	2.00
Select one:		3.00-4.00
BIOL 2	Introduction to Human Biology	3.00
BIOL 10	Survey of Human Systems	4.00
BIOL 20	Human Anatomy	4.00

Total: 14.00-15.00

Certificate of Achievement in Professional Accountant

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 41986.00CA

The Certificate of Achievement in Professional Accountant offers a selection of courses including first year college accounting as well as more advanced and specialized courses in Accounting software. Courses in this certificate provide skills which lead to a number of goals, including skills to assist in career development, advancement for those who are already employed, and skills needed by CPA's today.

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

1. Perform transaction analysis, process accounting information, and prepare and analyze reports.
2. Pprepare and interpret the four basic financial statements.
3. Apply various methods, including cost-volume-profit analysis, flexible budgeting, and decision-making in both manufacturing and service environments.
4. Use various methods, including net present value and time value of money to make capital budgeting decisions.

5. Learn the dominant small business accounting software QuickBooks and how to calculate, report and understand the laws surrounding payroll which is vital to the success of companies.

Required courses:		17.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
ACCT 30	Accounting Capstone	4.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
ACCT 110	Accounting for Payroll	3.00

Total: 17.00

Certificate of Achievement in Project Management

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 42240.00CA

The Certificate of Achievement in Project Management is designed to help students learn important skills to become an entry level Program Manager in a variety of industries. This is a growing and dynamic area for careers in construction, engineering, architecture, computing, healthcare, telecommunications, and many other fields. The Certificate of Achievement is designed to serve both transfer and career students. The additional project management courses focus on the software and key project management skills to complement their continued studies and allow them to become employable while completing their next degree.

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

1. Identify, analyze, and resolve project problems. Quality standards and various methodologies are explored as tools and techniques used to manage project quality and resolve problems.
2. Identify and define project needs. Explore the project quality management processes of quality planning, quality assurance, and quality control necessary to successfully meet conformance to project requirements and fitness of use.
3. Plan project schedules and budgets.
4. Manage effectively in a variety of project organizational structures.
5. Apply the fundamentals of accounting, supervising and leading, business management and human resources.
6. Communicate effectively among various project personnel and stakeholders.
7. Utilize the MS Project Management software and MS Outlook software to work in an efficient and productive manner as a project manager.
8. Explore program manager jobs in a variety of industries and how these skills are transferrable between industries.

Required courses:		20.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BCIS 16	Project Management Tools	3.00
BUS 20	Introduction to Business	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 46	Project Management	3.00

Total: 20.00

AS Degree in Real Estate

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01312.00AS

The Real Estate program is designed with two broad objectives. The first is to prepare beginning students for entry into the real estate field, and the second objective is to upgrade the knowledge and skills of real estate professionals.

Three options of study are offered: a one-year program leading to a Certificate of Achievement; a two-year program leading to an Associate Degree; and certificate programs helpful for students preparing for the California salesperson licensing exam and those considering careers as real estate appraisers. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions. The successful real estate professional is a person who relates well with people and is a self-starter.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A license is required of all real estate salespeople. In addition, a salesperson must work under the supervision of a licensed broker.

Minimum requirements to apply for the Salesperson Examination are: Age: 18 or older; Education: Evidence of successful completion of nine units of college level courses in Real Estate Principles, Practices, and one elective is required. Honesty: A felony conviction may result in the denial of a license. To qualify to take the State Examination for a broker's license a total of eight courses are required.

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

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

1. Identify and explain real estate concepts and principles.
2. Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
3. Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses:		39.00-40.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 50	Sales Strategies	3.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
RLS 30	Legal Aspects of Real Estate	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 40	Real Estate Finance	3.00
RLS 50	Escrow Procedures	3.00
RLS 55	Property Management	3.00
RLS 60	Real Estate Mortgage Brokerage	3.00
Select one:		3.00-4.00
ACCT 2	Financial Accounting	4.00
ACCT 20	Introduction to Accounting	3.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
CSCI 2	Business and Computer Information Systems	3.00
Select one:		3.00
ECON 2	Principles of Macroeconomics	3.00
RLS 45	Real Estate Economics	3.00

Total: 39.00-40.00

Certificate of Achievement in Real Estate

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01312.00CA

See AS Degree in Real Estate.

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

1. Identify and explain real estate concepts and principles.
2. Create a Competitive Market Analysis for a Real Estate property so that they can evaluate properties based on factual data.
3. Analyze legal contracts associated with real estate transactions, and identify and explain their uses, components and implications.

Required courses:		24.00-25.00
BUS 35	Leading and Supervising Teams	3.00
BUS 50	Sales Strategies	3.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
RLS 30	Legal Aspects of Real Estate	3.00
Select one:		3.00-4.00
ACCT 2	Financial Accounting	4.00
ACCT 20	Introduction to Accounting	3.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00

CSCI 2	Business and Computer Information Systems	3.00
Select one:		3.00
RLS 40	Real Estate Finance	3.00
RLS 45	Real Estate Economics	3.00

Total: 24.00-25.00

Certificate in Real Estate Appraisal

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: REALESTATEAPP.CC

(Not Eligible for Financial Aid) The certificate in Real Estate Appraisal is helpful for students considering careers as real estate appraisers. However, to obtain an appraiser's license, a bachelor degree is required. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A real estate appraiser is authorized to estimate the value of residential and/or commercial property using various tools and techniques. To become a licensed real estate appraiser, students are required to hold a bachelor degree in addition to appraisal coursework and experience.

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

1. Describe the purpose, steps and outcomes of the appraisal process.
2. Utilize each of the traditional approaches (sales comparison, cost and income) to estimate market value for a particular residential property.
3. Prepare an appraisal report for a particular residential property utilizing the Uniform Residential Appraisal Report (URAR) format.
4. Identify and describe fundamental real estate concepts and principles.

Required courses:		15.00
RLS 20	Real Estate Principles	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 45	Real Estate Economics	3.00
RLS 55	Property Management	3.00
Select one:		3.00
BUS 8	Introduction to Business Law	3.00
RLS 30	Legal Aspects of Real Estate	3.00

Total: 15.00

Certificate in Real Estate Sales

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: REALESTATESALES.CC

(Not Eligible for Financial Aid) The certificate in Real Estate Sales is helpful for students preparing for the California salesperson licensing exam. Courses are also available for individuals interested in increasing their awareness and skills in the technical aspects of real estate transactions.

The real estate industry offers many interesting areas of employment and specialization. Positions may be found in real estate sales, appraisal, property management, finance, land development and consulting. A license is required of all real estate salespeople. Real estate sales persons are responsible for the sale of land and property, who conduct real estate activities under the supervision of a license real estate broker.

Minimum requirements to apply for the Salesperson Examination are: Age: 18 or older; Education: Evidence of successful completion of nine units of college level courses in Real Estate Principles, Practices, and one elective is required. Honesty: A felony conviction may result in the denial of a license.

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

1. Prepare sales listings and sales contracts.
2. Explain the process of transferring ownership of real estate including escrow procedure and legal documentation required.
3. Identify and describe fundamental real estate concepts and principles.

4. Explain the appraisal process and its impact on closing real estate transactions.

Required courses:		15.00
RLS 20	Real Estate Principles	3.00
RLS 25	Real Estate Practices	3.00
RLS 35	Real Estate Appraisal	3.00
RLS 45	Real Estate Economics	3.00
RLS 50	Escrow Procedures	3.00

Total: 15.00

Certificate of Achievement in Retail Management

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01317.01CA

The Retail Management program is designed to provide students with a well-rounded education in business operations, management techniques, human relations, basic marketing principles, accounting, business law, economics and business computer applications, with an emphasis in retailing.

Students completing the program in Retail Management will increase their practical business skills relating to devising plans, organizing tasks, leading others, and controlling operations. Customer service positions, retail associate, sales associate, assistant store manager, retail manager are positions in this field.

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

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

Required courses:		27.00
ACCT 20	Introduction to Accounting	3.00
BCIS 18	Introduction to Business Technology	3.00
BUS 20	Introduction to Business	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 64	Principles of Marketing	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		3.00
BCIS 13	Business Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00
Select one:		3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00
Select one:		3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00

Total: 27.00

AS Degree in Small Business/Entrepreneurship

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 11122.00AS

The Entrepreneurship program prepares students to start and manage a small business. Students will gain the knowledge and skills necessary to build a business from concept to profit. This includes writing a business plan, developing product strategy, problem solving supply chain management and manufacturing issues, designing marketing and sales campaigns, acquiring and managing finances, building and leading teams, and selecting business technologies. In this process, students will develop leadership, communication, and business analysis skills necessary for small business management.

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

1. Identify business terms and concepts, and effectively communicate using the language of business.
2. Make effective business decisions using a systematic, evaluative, information-based approach.
3. Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multi-cultural, team-oriented, rapidly-changing environment.

Required courses:		37.00-38.00
BCIS 13	Business Communication	3.00
BCIS 33	Skills for the Working Professional	1.00
BCIS 81	Microsoft Excel for Business	1.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 35	Leading and Supervising Teams	3.00
BUS 64	Principles of Marketing	3.00
BUS 68	Web Marketing	3.00
COMM C1000	Introduction to Public Speaking	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		2.00-3.00
ACCT 20	Introduction to Accounting	3.00
ACCT 128	Small Business Accounting	2.00

Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 85	Microsoft Excel for Windows	3.00
BUS 50	Sales Strategies	3.00
BUS 60	Advertising and Promotion	3.00

Select one:		3.00
BUS 40	Introduction to Management	3.00
BUS 44	Human Resource Management	3.00

Total: 37.00-38.00

Certificate in Tax Preparer

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: TAXPREP.CC

(Not Eligible for Financial Aid) The requirements for becoming a licensed tax preparer and the rules and regulations governing licensed tax preparers are reviewed. Students planning an accounting career should be detail-oriented, be able to analyze and interpret facts and figures quickly and accurately, and make sound decisions. They must also be able to communicate the results. Patience, persistence, self-discipline, and concentration are essential.

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

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

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

Required courses:		15.00
ACCT 20	Introduction to Accounting	3.00
ACCT 100	QuickBooks Pro-Computerized Accounting	2.00
ACCT 105	Income Tax Preparation	4.00
BCIS 46	Business Math Calculations	2.00
BCIS 81	Microsoft Excel for Business	1.00
Select one:		3.00
BCIS 13	Business Communication	3.00
BCIS 18	Introduction to Business Technology	3.00

BUS 62	Money & Happiness: Cultural, Psychological and Economic Factors	3.00
ECON 4	Principles of Microeconomics	3.00

Total: 15.00

Cosmetology

Dept Chair Contact: Felicia Flores - Cosmetology Center - (530) 895-2344 - floresfe@butte.edu

AS Degree in Cosmetology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01370.00AS

The AS degree in Cosmetology is a minimum 1,000-hour course of study designed to meet the State of California Cosmetology Act. Butte College offers two different pathways to the degree: a two-semester traditional day program and an evening-only program (offered in fall, winter, spring, and summer). Students who enroll in the evening program should be committed to the entirety of the program for 12 consecutive months. All programs begin in fall.

Both program pathways meet the curricular requirements mandated by the State Board of Barbering & Cosmetology that enable a successful student to also earn a Certificate of Achievement, a Hair Styling Certificate, meet state licensing requirements for curricular training, and prepare for the written state examination for licensure to practice cosmetology in the State of California.

In order to obtain a Cosmetologist License and practice Cosmetology in the State of California, students must be at least 17 years of age, have completed the 10th grade in California public schools or equivalent*, successfully complete the State Board of Barbering and Cosmetology approved 1,000+ course hours of study, and pass the state examination. The written state examinations are administered through the Department of Consumer Affairs Bureau of Barbering and Cosmetology.

*To receive federal financial aid, students must have graduated from high school or completed a GED. Contact the Cosmetology Department for more information.

Job opportunities in the field of cosmetology include working for chain and/or independent salons and spas, department store salons and cosmetic departments, beauty supply stores, retail and wholesale selling, spas and salons on luxury cruise ships, product representatives, research and development, salon managers, owners, educators, freelance stylist, hair and makeup services in television and film industry.

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

1. Safely and accurately use all equipment and products relating to the Cosmetology industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment within the Cosmetology industry.
3. Apply necessary health and safety rules.
4. Communicate effectively and appropriately within the Cosmetology industry.
5. Perform all tasks and skills in an orderly manner, establishing the methodical habits without sacrificing artistic skills.

Required courses:		26.00
COS 10	Health, Safety and Sanitation Theory	3.00
COS 11	Health, Safety and Sanitation Practicum	1.00
COS 12	Manicuring and Pedicuring	3.00
COS 19	Hair Styling Services I	4.00
COS 20	Chemical Hair Services Theory	3.00
COS 21	Chemical Hair Services Practicum	5.00
COS 23	Skin Care	4.00
COS 29	Hair Styling Services II	3.00

Total: 26.00

Certificate of Achievement in Cosmetology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01370.00CA

See AS Degree in Cosmetology.

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

1. Safely and accurately use all equipment and products relating to the Cosmetology industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment within the Cosmetology industry.
3. Apply necessary health and safety rules.
4. Communicate effectively and appropriately within the Cosmetology industry.
5. Perform all tasks and skills in an orderly manner, establishing the methodical habits without sacrificing artistic skills.

Required courses:		26.00
COS 10	Health, Safety and Sanitation Theory	3.00
COS 11	Health, Safety and Sanitation Practicum	1.00
COS 12	Manicuring and Pedicuring	3.00
COS 19	Hair Styling Services I	4.00
COS 20	Chemical Hair Services Theory	3.00
COS 21	Chemical Hair Services Practicum	5.00
COS 23	Skin Care	4.00
COS 29	Hair Styling Services II	3.00

Total: 26.00

Certificate in Hair Styling

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: HAIRSTYLING.CC

(Not Eligible for Financial Aid) This certificate will prepare students to perform basic skills in hairstyling and haircutting. In addition, demonstrate the ability to perform the basic analytical skills to perform relevant skills for an entry-level position in Cosmetology. The student will be able to demonstrate hairstyling and haircutting skills, safety and sanitation, communication and soft skills, and knowledge necessary to pass the State Board exam successfully. Upon completing the training, students will gain competency in entry-level job positions as a hairstylist or related career goals.

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

1. Safely and accurately use all equipment and products relating to the industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment.
3. Apply necessary health and safety rules.
4. Demonstrate appropriate communication skills.
5. Demonstrate an orderly performance of all tasks and skills in hairstyling and haircutting establishing methodical habits without sacrificing artistic skills.

Required courses:		11.00
COS 10	Health, Safety and Sanitation Theory	3.00
COS 11	Health, Safety and Sanitation Practicum	1.00
COS 19	Hair Styling Services I	4.00
COS 29	Hair Styling Services II	3.00

Total: 11.00

Certificate in Manicuring

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: MANICURING.CC

(Not Eligible for Financial Aid) This certificate will prepare students to perform basic manipulative skills in manicures, pedicures, nail tips, wraps, and nail enhancements. In addition, demonstrate the ability to perform the basic analytical skills to determine proper nail services for the clients' overall needs. The student will be able to demonstrate basic nail care skills, safety and sanitation, communication and soft skills, and knowledge necessary to pass the State Board exam successfully. Upon completing the training, students will gain competency in entry-level job positions as a Manicurist or related career goals.

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

1. Safely and accurately use all equipment and products relating to the industry.
2. Demonstrate the most current methods and procedures using professional tools and equipment.

3. Apply necessary health and safety rules.
4. Demonstrate appropriate communication skills.
5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits without sacrificing artistic skills.

Required courses:		9.00
COS 10	Health, Safety and Sanitation Theory	3.00
COS 11	Health, Safety and Sanitation Practicum	1.00
COS 12	Manicuring and Pedicuring	3.00
COS 32	Advanced Manicuring and Pedicuring	2.00

Total: 9.00

Performing Arts

Dept Chair Contact: Ryan Heimlich - ARTS 224 - (530) 879-6148 - heimlichry@butte.edu

Certificate in Clothing Construction

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: CLOTHINGCONSTRUCT.CC

(Not Eligible for Financial Aid) The Certificate in Clothing Construction prepares students for entry-level jobs in apparel production companies, designer workrooms, and custom sewing workrooms. Students hone the technical skills necessary to realize a creative vision as they develop a portfolio of work that can be used for a variety of purposes, including preparation for further study. The certificate prepares students for entry-level employment as a sample sewer for fashion design, tailor's assistant, sample sewer for small manufacturer, alterationist, production sewer for cottage industries, and theatrical costume stitcher.

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

1. Select appropriate fabrics and notions suitable to specific garment designs.
2. Drape, draft or manipulate flat patterns to create accurate garment patterns.
3. Lay patterns correctly and economically onto markers or fabric.
4. Construct garments using various sewing techniques.
5. Fit garments on various body types and be able to make the proper adjustments.

Required courses:		12.00
DRAM 15	Costume Construction I	3.00
FASH 9	Clothing Construction I	3.00
FASH 10	Clothing Construction II	3.00
FASH 40	Flat Pattern/Draping Design	3.00

Total: 12.00

Certificate in Fashion Design

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: FASHIONDESIGN.CC

(Not Eligible for Financial Aid) The Fashion program gives 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 merchandising from the manufacturing level through to the retailer and ultimately, the consumer. A highly-specialized program in Fashion Merchandising enables students to acquire the marketable skills in a minimum time. The program prepares students for a variety of employment opportunities and provides hands-on learning opportunities.

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

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.
3. Demonstrate the principles and practice of fashion design including design analysis; use of industry vocabulary; technical illustration; drafting of patterns; and effective communication of original design concepts.

4. Demonstrate technical skills including machine operation; taking measurements; basic alterations; pattern layout, cutting, and preparation; and use of fabrics, tools, and supplies.

Required courses:		15.00
Select 15 units:		15.00
FASH 9	Clothing Construction I	3.00
FASH 10	Clothing Construction II	3.00
FASH 13	Fashion Drawing and Illustration	3.00
FASH 40	Flat Pattern/Draping Design	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 74	Historic Costume	3.00
FASH 90	Fashion Promotions	3.00

Total: 15.00

AS Degree in Fashion Merchandising

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01348.00AS

Courses in Fashion Merchandising give students the opportunity to discover the inner workings of the fashion industry with many hands-on experiences. Fashion Merchandising emphasizes the business of buying, distributing and selling of merchandise from the manufacturing level through to the retailer and, ultimately, the consumer. A highly-specialized program in Fashion Merchandising enables students to acquire marketable skills in a minimum time. A Fashion Merchandising Certificate of Achievement is also available.

As long as fashion continues to change, lucrative careers will always be available for those who are prepared to expand their personal and professional horizons. The world of fashion merchandising is a challenging, fast-paced and highly competitive field with numerous opportunities for monetary and career advancement. Positions in the ever-expanding world of fashion are available in, but not limited to, these areas: Careers include Retail: Buyer, assistant buyer, department manager, fashion/bridal consultant, store manager, merchandise manager, salesperson, shop owner, sales representative, showroom associate, personal shopper, and management trainee. Fashion stylist, fashion coordinator, public relations, fashion commentator, special events director, and model. Fashion reporter, copy writer, fashion illustrator, fashion writer, fashion editor, publicity manager, and fashion researcher.

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

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Analyze, describe, and apply concepts in the business of buying, distributing and selling of fashion merchandise from the manufacturing level through to the retailer and, ultimately, the consumer.
3. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.

Required courses:		36.00
BCIS 18	Introduction to Business Technology	3.00
BUS 20	Introduction to Business	3.00
BUS 50	Sales Strategies	3.00
ECON 25	Introduction to Economics	3.00
FASH 6	Introduction to Fibers, Fabric and Textiles	3.00
FASH 18	Visual Merchandising	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 74	Historic Costume	3.00
FASH 80	Retail Fashion Buying	3.00
FASH 90	Fashion Promotions	3.00
FASH 99	Work Experience-FASH	3.00
Select one:		3.00
BUS 25	Introduction to Entrepreneurship	3.00
BUS 35	Leading and Supervising Teams	3.00

Total: 36.00

Certificate of Achievement in Fashion Merchandising

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01348.00CA

See AS Degree in Fashion Merchandising.

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

1. Analyze and describe the fashion industry including innovations, careers, current trends, the impact of globalization and technology, and the expanding roles of designers.
2. Analyze, describe, and apply concepts in the business of buying, distributing and selling of fashion merchandise from the manufacturing level through to the retailer and, ultimately, the consumer.
3. Demonstrate command of visual presentation or production, and create a resume or relevant portfolio to be used to market him/herself in the fashion industry.

Required courses:		22.00
BCIS 18	Introduction to Business Technology	3.00
FASH 6	Introduction to Fibers, Fabric and Textiles	3.00
FASH 18	Visual Merchandising	3.00
FASH 64	Introduction To Fashion/Retail Careers	3.00
FASH 74	Historic Costume	3.00
FASH 80	Retail Fashion Buying	3.00
FASH 90	Fashion Promotions	3.00
FASH 99	Work Experience-FASH	1.00

Total: 22.00

AS-T Degree in Film, Television & Electronic Media

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35684.31AS-T

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

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

1. Describe the history, processes and current structure of electronic media, its ethical parameters, and the social and political effects of electronic and mass communication on an audience.
2. Write effectively for a variety of platforms appropriate to the discipline.
3. Gather, organize and analyze discipline-appropriate research and communicate information about it.
4. Identify and analyze legal and ethical principles relating to media.
5. Apply media technology, terminology and techniques to the design and creation of content for film, television, and electronic media.

Required courses:		18.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
List A (Select two):		6.00
RTVF 30	Audio Production	3.00
RTVF 40	Video Production	3.00
List B (Select one):		3.00
JOUR 2	Introduction to Reporting and Newswriting	3.00
PHO 2	Introduction to Photography	3.00
List C (Select one or any course not already used above):		3.00
RTVF 13	Exploring American Television	3.00
RTVF 15	Introduction to Film	3.00
RTVF 55	TV Studio Production	3.00

Total: 18.00

Certificate in Mass Media Studies

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: MASSMEDIA.CC

(Not Eligible for Financial Aid) Completion of this certificate will introduce students to the study, writing and production of media content. Students choose the path most relevant to their career goals: the study of TV or film, and the production of audio or video.

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

1. Describe the history, business models and new technologies of mass media in the United States.
2. Analyze the role and function of media ethics in commercial mass media.
3. Identify and address the technical and aesthetic issues related to creating and writing for electronic media.
4. Write and assemble audio or video productions for presentation to an audience.

Required courses:		12.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
Select one:		3.00
RTVF 13	Exploring American Television	3.00
RTVF 15	Introduction to Film	3.00
Select one:		3.00
RTVF 30	Audio Production	3.00
RTVF 40	Video Production	3.00

Total: 12.00

AA-T Degree in Music

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 32469.31AA-T

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

The Associate of Arts Degree in Music for Transfer prepares students to demonstrate transfer-level proficiency in solo and ensemble performance as well as music theory and musicianship for a seamless transfer into a baccalaureate degree program as a music major. This degree is recommended for students pursuing careers in music and music-related fields. Completion of this curriculum will demonstrate commitment to the serious study of music in practice and in theory, and provide comprehensive preparation for upper-division work. The Butte College Music Department provides the highest level of instruction for students to pursue their musical and educational goals. The faculty have devised a curriculum that serves to develop skills in musical performance as well as academic preparation for continued study and lifelong learning.

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

1. Play their chosen instrument or sing at an advanced level.
2. Demonstrate the ability to either play or sing new music at sight.
3. Analyze a given piece of music in terms of chords and chord structure, modulation, cadences, and form.
4. Articulate the principles of playing in an ensemble.
5. Describe effective practice techniques.
6. Listen to a piece of music and identify its genre.

Required courses:		21.00-23.50
MUS 80	Theory & Musicianship I	4.00
MUS 82	Theory & Musicianship II	4.00
MUS 84	Theory & Musicianship III	4.00
MUS 88	Applied Music	2.00
Select four:		4.00-5.50
MUS 60	Orchestra	1.50

MUS 61	Pop Ensemble	1.00
MUS 63	Symphonic Band	1.50
MUS 64	Jazz Ensemble	1.50
MUS 65	Jazz Combo	1.00
MUS 68	Guitar Ensemble	1.00
MUS 69	Chamber Music	1.00
MUS 70	Choir	1.00
List A (Select 3-4 units):		3.00-4.00
MUS 1	Music Appreciation	3.00
MUS 40	Piano I	1.00
MUS 41	Piano II	1.00
MUS 42	Piano III	1.00
MUS 86	Theory & Musicianship IV	4.00

Total: 21.00-23.50

AA Degree in Music

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44716.00AA

The Associate of Arts Degree in Music provides technical and artistic foundations to students interested in pursuing careers in music and music-related fields. The Associate of Arts Degree in Music is a forward thinking degree that instructs students in performance, theory and composition, culture, technology, and business in an effort to prepare students for work in the modern music industry. In addition to courses in reading and writing music, students gain performance skills through instruction on an instrument or voice as well as through ensemble performance. Studies in the aesthetic and historical traditions of various musical cultures provide students with knowledge of the roles and functions of music in society. Students are introduced to the music industry and develop a working knowledge of music technology. This degree can also serve as preparation for additional musical studies or degrees for students wishing to transfer to a baccalaureate degree program as a music major.

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

1. Demonstrate technical fluency, artistic growth, and personal enrichment in musical performance on a given instrument and/or voice in both solo and ensemble contexts.
2. Analyze and interpret common elements and underlying structures of music and use these components to understand, compose, perform, and notate music.
3. Distinguish a range of music cultures through recognition of the scope, variety, structure, and form of musical works from these cultures, awareness of historical and social contexts of these cultures, and ability to respond critically to musical works in these cultures by articulating an informed personal reaction.
4. Demonstrate introductory proficiencies in keyboard performance and music technology.

Required courses:		30.00-34.50
MUS 40	Piano I	1.00
MUS 41	Piano II	1.00
MUS 42	Piano III	1.00
MUS 51	Digital Music Production I	3.00
MUS 80	Theory & Musicianship I	4.00
MUS 82	Theory & Musicianship II	4.00
MUS 84	Theory & Musicianship III	4.00
MUS 88	Applied Music	2.00
MUS 90	Introduction to the Music Industry	2.00
Select four:		4.00-5.50
MUS 60	Orchestra	1.50
MUS 61	Pop Ensemble	1.00
MUS 63	Symphonic Band	1.50
MUS 64	Jazz Ensemble	1.50
MUS 65	Jazz Combo	1.00
MUS 68	Guitar Ensemble	1.00
MUS 69	Chamber Music	1.00
MUS 70	Choir	1.00
Select two:		4.00-7.00

MUS 4	Song Writing	2.00
MUS 86	Theory & Musicianship IV	4.00
MUS 87	Music Composition	3.00
MUS 89	Jazz Composition and Arranging	3.00
MUS 92	Introduction to Music Education	2.00

Total: 30.00-34.50

Certificate of Achievement in Music

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44753.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Music provides students with a broad foundation in music that will enable them to pursue a variety of musical paths including performance, composition, and music education. Students will develop performance skills through applied lessons and participation in ensembles, combined with a sequence of music theory and aural skills. Students who complete the curriculum can seek entry-level employment as music educators, performers, music assistants, or other aspects of the music industry. Prior to beginning the coursework in this program, students should have at least some experience in reading printed music and playing an instrument/voice.

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

1. Play their chosen instrument or sing at an advanced level.
2. Demonstrate the ability to either play or sing new music at sight.
3. Analyze a given piece of music in terms of chords and chord structure, modulation, cadences, and form.
4. Articulate the principles of playing in an ensemble.
5. Describe effective practice techniques.
6. Listen to a piece of music and identify its genre.

Required courses:		21.00-23.50
MUS 80	Theory & Musicianship I	4.00
MUS 82	Theory & Musicianship II	4.00
MUS 84	Theory & Musicianship III	4.00
MUS 88	Applied Music	2.00
Select four:		4.00-5.50
MUS 60	Orchestra	1.50
MUS 61	Pop Ensemble	1.00
MUS 63	Symphonic Band	1.50
MUS 64	Jazz Ensemble	1.50
MUS 65	Jazz Combo	1.00
MUS 67	Percussion Ensemble	1.00
MUS 68	Guitar Ensemble	1.00
MUS 69	Chamber Music	1.00
MUS 70	Choir	1.00
Select 3-4 units:		3.00-4.00
MUS 1	Music Appreciation	3.00
MUS 40	Piano I	1.00
MUS 41	Piano II	1.00
MUS 42	Piano III	1.00
MUS 86	Theory & Musicianship IV	4.00

Total: 21.00-23.50

Certificate of Achievement in Music Theory and Composition

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44823.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Music Theory and Composition prepares students for composing music in various genres and/or transferring into a Bachelor of Arts in Music degree with a focus on Music Composition. Throughout the program, students will

cultivate their music composition portfolios and enhance their resumes. The certificate encompasses intermediate skills in music theory, musicianship, jazz idioms, as well as foundational skills in arrangement, composition, and music in multimedia.

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

1. Compose and arrange for solo and ensembles of various sizes, including jazz big band, and computer music.
2. Identify historically important musical eras and their stylistic components.
3. Distinguish between various musical forms used in classical music composition, jazz, and commercial music.
4. Demonstrate ability to compose fully notated music for Western instruments.
5. Demonstrate understanding of jazz theory and lead sheet notation.
6. Demonstrate ability to transcribe music using staff notation.
7. Demonstrate understanding of Tonal Harmony.

Required courses:		18.00
MUS 80	Theory & Musicianship I	4.00
MUS 82	Theory & Musicianship II	4.00
MUS 84	Theory & Musicianship III	4.00
MUS 87	Music Composition	3.00
MUS 89	Jazz Composition and Arranging	3.00

Total: 18.00

AS Degree in Radio-TV-Film: Video Production

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 07474.01AS

To develop the media skills needed for a career, students will have access to a professional video production studio, digital video editing systems, and an audio production facility. Butte students can develop excellent skills in as little as one year of training. Many RTVF courses at Butte College will provide a basis for various media majors at other colleges and universities.

The world of electronic communication is exploding across the country from the smallest elementary classroom to international corporations and government agencies, creating careers in computers, satellite teleconferencing, the Internet, interactive video games, digital audio and video production. Media related industries continue to be one of the fastest growing segments of the job market. As computer and video technologies continue to expand there will be an ever-increasing demand for skilled workers at all levels of production and application.

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

1. Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
2. Demonstrate expert and safe use of hardware and software while creating audio/video productions.
3. Discuss, analyze and write about audio/video productions.
4. Organize and assemble audio/video productions for presentation to an audience.

Required courses:		21.00
MSP 10	Digital Video Design and Production	3.00
MSP 74	Multimedia Production I	3.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
RTVF 30	Audio Production	3.00
RTVF 40	Video Production	3.00
RTVF 55	TV Studio Production	3.00

Total: 21.00

Certificate of Achievement in Radio-TV-Film: Video Production

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 07471.00CA

See AS degree in Radio-TV-Film: Video Production.

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

1. Demonstrate critical thinking skills and conceptual problem-solving skills to create a portfolio of work in audio/video production.
2. Demonstrate expert and safe use of hardware and software while creating audio/video productions.
3. Discuss, analyze and write about audio/video productions.
4. Organize and assemble audio/video productions for presentation to an audience.

Required courses:		21.00
MSP 10	Digital Video Design and Production	3.00
MSP 74	Multimedia Production I	3.00
RTVF 12	Mass Media and Society	3.00
RTVF 14	Introduction to Media Writing	3.00
RTVF 30	Audio Production	3.00
RTVF 40	Video Production	3.00
RTVF 55	TV Studio Production	3.00

Total: 21.00

AS Degree in Recording Arts

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 33222.00AS

The Recording Arts program provides students with fundamental to advanced knowledge and understanding of audio recording techniques and applications. Students learn audio recording methods and how to operate the equipment used in a professional recording studio, as well as computer-based composition and mixing. Courses include theory, performance, digital music production, and hands-on experience including recording, overdubbing, mixing and mastering.

The program prepares students for a host of careers within and beyond the recording studio, including but not limited to Assistant Engineer, Assistant Mix Engineer, Studio Booking Technician, Audio/Visual Technician, Studio Owner, Information Technology Specialist and Customer Service Representative, Video Game Audio Engineer, and TV and Film Audio Engineer.

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

1. Apply modern music composition techniques in digital audio workstations.
2. Implement modern mixing techniques in digital audio.
3. Identify signal flow in the recording chain.
4. Identify the different types of microphones and the proper use of each type in recording situations.
5. Demonstrate competency in computer recording processes in a studio recording.
6. Demonstrate applied skills in gain staging in analog and digital recordings.
7. Demonstrate proper etiquette and interpersonal skills while working on group projects.

Required courses:		24.00
MUS 3	Music Fundamentals	3.00
MUS 51	Digital Music Production I	3.00
MUS 52	Introduction to Recording Techniques	3.00
MUS 53	Digital Music Production II	3.00
MUS 54	Studio Recording I	3.00
MUS 55	Studio Recording II	3.00
MUS 80	Theory & Musicianship I	4.00
Select one:		1.00
MUS 20	Guitar I	1.00
MUS 30	Voice I	1.00
MUS 40	Piano I	1.00
Select one:		1.00
MUS 21	Guitar II	1.00
MUS 31	Voice II	1.00
MUS 41	Piano II	1.00

Total: 24.00

Certificate of Achievement in Recording Arts

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 33182.00CA

See AS Degree in Recording Arts.

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

1. Apply modern music composition techniques in digital audio workstations.
2. Implement modern mixing techniques in digital audio.
3. Identify signal flow in the recording chain.
4. Identify the different types of microphones and the proper use of each type in recording situations.
5. Demonstrate competency in computer recording processes in a studio recording.
6. Demonstrate applied skills in gain staging in analog and digital recordings.
7. Demonstrate proper etiquette and interpersonal skills while working on group projects.

Required courses:		24.00
MUS 3	Music Fundamentals	3.00
MUS 51	Digital Music Production I	3.00
MUS 52	Introduction to Recording Techniques	3.00
MUS 53	Digital Music Production II	3.00
MUS 54	Studio Recording I	3.00
MUS 55	Studio Recording II	3.00
MUS 80	Theory & Musicianship I	4.00
Select one:		1.00
MUS 20	Guitar I	1.00
MUS 30	Voice I	1.00
MUS 40	Piano I	1.00
Select one:		1.00
MUS 21	Guitar II	1.00
MUS 31	Voice II	1.00
MUS 41	Piano II	1.00

Total: 24.00

Certificate in Single Camera Video Production

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: SINGLECAMVIDPROD.CC

(Not Eligible for Financial Aid) This certificate qualifies students for entry level employment as a single camera videographer in a variety of media occupations including but not limited to: TV news and commercial production, web video production, independent video production, video post production, audio engineering for video, and music video producer/director.

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

1. Apply basic videography skills to compose and record footage suitable for editing and digital manipulation.
2. Use computer software to edit a complete video project including title and soundtrack.
3. Select and edit audio sound effects and music for a video production.
4. Upload a video project to an Internet video sharing site for on-line distribution.
5. Evaluate a video production based on the target audience's interests, needs and viewing habits.

Required courses:		9.00
MSP 10	Digital Video Design and Production	3.00
RTVF 30	Audio Production	3.00
RTVF 40	Video Production	3.00

Total: 9.00

AA-T Degree in Theatre Arts

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31850.30AA-T

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

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

1. Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
2. Discuss theatre arts from classic to contemporary, including the growth of drama within the context of the human condition.
3. Use appropriately the terminology of acting and the theatre.
4. Analyze scripts as they pertain to performances.
5. Demonstrate proficiency in specific areas of technical expertise.
6. Collaborate with others to create theatre productions.
7. Apply standard practices of ensemble playing in both rehearsal and performance environments.
8. Analyze dramatic literature and productions to identify form and period.

Required courses:		18.00
DRAM 2	Introduction to Theatre	3.00
DRAM 8	Acting I	3.00
Select one:		3.00
DRAM 12	Rehearsal and Performance in Production	3.00
DRAM 14	Technical Theatre in Production	3.00

List A (Select three or any required core course not already used):		9.00
DRAM 9	Acting II	3.00
DRAM 15	Costume Construction I	3.00
DRAM 21	Introduction to Theatre Design	3.00
DRAM 22	Introduction to Stage Lighting	3.00

Total: 18.00

Certificate in Theatre Arts

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: THEATREARTS.CC

(Not Eligible for Financial Aid) Through an intensive program of production work in the Butte College Drama Department, combined with courses throughout the college, the student will gain the theory and applied training work experience to find career choices in live theatre, film and other communication related fields. Upon completion of this certificate program, the student will be able to analyze texts and scripts as they pertain to performances, demonstrate the ability to complete assignments in his/her area of technical expertise, collaborate with others to produce a live stage performance, recognize standard practices of ensemble playing in a rehearsal/performance environment, analyze dramatic literature or productions to identify form and period.

The Certificate in Theatre Arts equips students with a multitude of skills applicable to many careers, not just those in the performing arts. The students earning a Certificate in Theatre Arts are prepared for a host of job opportunities within and beyond the performing arts, including but not limited to: Actor, Director, Technician, Sales Representative, Customer Service Representative, Stage Crew, Carpenter, House Manager, Amusement Park Entertainer, Model, Tour Guide and Voice-Over Performer.

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

1. Describe the historical evolution of theatre and identify a variety of theatrical disciplines, including playwright, actor, director, and technician.
2. Use appropriately the terminology of acting and the theatre.
3. Collaborate with others to create theatre productions.
4. Apply standard practices of ensemble playing in both rehearsal and performance environments.

Required courses:		15.00
DRAM 2	Introduction to Theatre	3.00
DRAM 8	Acting I	3.00

DRAM 12	Rehearsal and Performance in Production	3.00
DRAM 14	Technical Theatre in Production	3.00
Select 3 units:		3.00
DRAM 9	Acting II	3.00
DRAM 15	Costume Construction I	3.00
KIN 40	Jazz Dance I	1.50
MUS 30	Voice I	1.00

Total: 15.00

Visual Arts & Design

Dept Chair Contact: Sara Smallhouse - ARTS 224 - (530) 895-2259 - smallhousesa@butte.edu

Certificate in 2D Animation and Games

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 2DANIMATANDGAMES.CC

(Not Eligible for Financial Aid) The certificate in 2D Animation and Games prepares the student for entry-level positions in the fast-growing gaming and animation industry. The certificate develops within the student a dynamic, multidisciplinary skill set which fosters growth in both the visual arts and coding for games. The new media labs housed within the Multimedia Studies program are equipped with state-of-the-art computers, software, and monitors which allow the student to experience the tools that professional animators and game designers are using today.

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

1. Edit and create graphics for animation and gaming applications.
2. Create 2D animations using industry standard software.
3. Discuss the principles of animation and game design.
4. Create game assets and control them with ActionScript.

Required courses:		9.00
MSP 12	Two-Dimensional Animation	3.00
MSP 42	Digital Game Design and Production	3.00
MSP 96	Introduction to Computer Graphics	3.00

Total: 9.00

AA-T Degree in Art History

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31951.31AA-T

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

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

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

Required courses:		18.00
ART 8	Drawing I	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00

ART 4	Renaissance in Contemporary Art History Survey	3.00
Select one:		3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
List A (Select one):		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 4	Renaissance in Contemporary Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
List B (Select one):		3.00
ART 7	2-D Foundations	3.00
ART 9	3-D Foundation	3.00
ART 14	Figure Drawing I	3.00
ART 50	Beginning Ceramics	3.00
ART 60	Sculpture I	3.00
MSP 30	Introduction to Digital Art	3.00
PHO 2	Introduction to Photography	3.00
List C (Select one or any course from List A or List B not already used):		3.00
ART 5	1800 to Present Art History Survey	3.00

Total: 18.00

AA Degree in Arts

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01329.01AA

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

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

1. Employ technical skills, creativity, critical thinking, and conceptual problem solving in completing independent projects in the fields of Visual Art, Design, and/or Art History.
2. Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
4. Demonstrate expert and safe use of a variety of equipment, materials, software, and tools, when performing, writing about, and/or creating works of art.

Required courses:		24.00-27.00
Complete required courses plus one CSU, Chico option:		9.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 9	3-D Foundation	3.00
Select one CSU, Chico option:		15.00-18.00
Art Education option at CSU, Chico:		18.00
ART 1	Art Appreciation	3.00
ART 17	Painting I	3.00
ART 23	Printmaking I	3.00
ART 50	Beginning Ceramics	3.00
MSP 30	Introduction to Digital Art	3.00
Select one:		3.00
ART 14	Figure Drawing I	3.00
ART 60	Sculpture I	3.00
PHO 4	Beginning Digital Photography	3.00
OR		
Art Studio option at CSU, Chico:		15.00

ART 4	Renaissance in Contemporary Art History Survey	3.00
ART 14	Figure Drawing I	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
Select two:		6.00
ART 50	Beginning Ceramics	3.00
ART 60	Sculpture I	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Beginning Digital Photography	3.00

Total: 24.00-27.00

AA Degree in Ceramics

About the Program

Program Goal: Local
GE Pattern(s): Butte Local
Program Code: 11128.00AA

The Ceramics program offers a solid foundation in the technical and aesthetic aspects of the medium. Students are taught the importance of minute details as well as overall excellence. Many specific skills are emphasized including handbuilding, wheel throwing, clay and glaze chemistry, mold making, kiln firings, and the specialized techniques of raku and primitive firings. Students have access to a fully equipped studio and have the opportunity to learn the operational requirements of the facility. Although ceramics as an art medium is emphasized, students also study the inter-relationship between industry, business and ceramics. The program offers a well-rounded art education including the ability to install exhibitions. A working portfolio for employment purposes is developed. The Ceramics Department offers courses which satisfy lower division requirements in many of the CSUs.

Many job opportunities exist for the individual proficient in ceramics. These include, but are not limited to: artist, art teacher or therapist, self-employed craft-person, mold maker, glaze technician, ceramic restorer, industrial ceramist, gallery or art shop manager, museum employee, interior design specialist, tile decorator, dental ceramist, and production designer. Students interested in pursuing a four-year degree are provided with a strong foundation for further coursework.

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

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

Required courses:		26.00
ART 8	Drawing I	3.00
ART 50	Beginning Ceramics	3.00
ART 52	Ceramics II	3.00
ART 54	Ceramics III - Low Fire	3.00
ART 56	Ceramics IV	3.00
ART 60	Sculpture I	3.00
ART 70	Gallery Production/Business of Art	2.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance in Contemporary Art History Survey	3.00
Select one:		3.00
ART 7	2-D Foundations	3.00
ART 9	3-D Foundation	3.00

Total: 26.00

Certificate of Achievement in Ceramics

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 11128.00CA

See AA Degree in Ceramics.

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

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

Required courses:		18.00
ART 8	Drawing I	3.00
ART 50	Beginning Ceramics	3.00
ART 52	Ceramics II	3.00
ART 54	Ceramics III - Low Fire	3.00
ART 56	Ceramics IV	3.00
ART 70	Gallery Production/Business of Art	2.00
ART 99	Work Experience-ART	1.00

Total: 18.00

AA Degree in Graphic Design

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11140.00AA

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

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

1. Use critical thinking and problem solving skills to create a Graphic Design portfolio to show to potential clients or as an entry portfolio for transfer.
2. Demonstrate proficient use and knowledge of current design software tools, processes and presentation methods.
3. Research, discuss, and write about historic and current trends, movements, figures and technologies related to Graphic Design.

Required courses:		18.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 31	Graphic Design I	3.00
PHO 2	Introduction to Photography	3.00
RTVF 12	Mass Media and Society	3.00
Select one:		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance in Contemporary Art History Survey	3.00

Total: 18.00

AS Degree in Graphic Design for Print

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 07264.00AS

In the Graphic Design program, students receive hands-on training in many areas of the visual communications field. Butte College offers a complete design and computer lab to aid in the development of job-related skills and techniques. Many of the instructors are working professionals who take time from their careers to teach. Their awareness of the demands of business and industry brings knowledge to the classroom of what is happening now in the field as well as future trends. The goal of the Butte College Graphic Design program is to prepare students for entry level positions. Students who successfully complete the program and plan to earn a four-year degree will have a solid foundation for application to the design school of their choice.

The field of graphic design offers many opportunities and options for the creative individual who has worked hard to develop the necessary skills and techniques. Upon completion of the program the student will have a working familiarity with most aspects of these rapidly growing fields. The department highly recommends that the student entering the second year of the Graphic Design program have access outside of school to a computer with the Adobe Suite software.

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

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio of graphic design for print, which is up to standards for employment interviews in the current market.
2. Demonstrate expert use of graphic design tools and computer equipment.
3. Discuss, write about, organize and assemble a graphic design for print presentation or display before a live audience in an exhibition, online, or through other means of distribution and presentation.

Required courses:		44.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 31	Graphic Design I	3.00
ART 32	Creative Typography	3.00
ART 34	Graphic Design II	3.00
ART 35	Illustration Art I	3.00
ART 36	Illustration Art II	3.00
ART 70	Gallery Production/Business of Art	2.00
BUS 60	Advertising and Promotion	3.00
MSP 1	Multimedia Careers	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 96	Introduction to Computer Graphics	3.00
PHO 2	Introduction to Photography	3.00
RTVF 12	Mass Media and Society	3.00
Select one:		3.00
ART 1	Art Appreciation	3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 4	Renaissance in Contemporary Art History Survey	3.00

Total: 44.00

AS Degree in Multimedia Studies

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 09582.00AS

Multimedia Studies is a comprehensive program that recognizes the need to prepare the student for the world of work in today's high performance organization. This program delivers a dynamic, multidisciplinary, interactive, project-based curriculum designed to foster creativity, teamwork, and professionalism. While providing laboratory experiences for the development of skills in multimedia and related technical areas, the student will also develop competencies in workforce preparation, such as in portfolio development, communications, and high performance organization workplace skills. The Multimedia Studies Program New Media Lab is a state-of-the-art Macintosh-based multimedia lab equipped with industry standard computer and state-of-the-art multimedia applications. Students build a strong foundation of skills and knowledge graphic design, video, multimedia and animation, idea presentation, portfolio development, and an overview of the opportunities in Multimedia.

All areas of the multimedia industry are experiencing unprecedented growth in order to meet the industry's needs. There is a constant demand for highly skilled, qualified, and knowledgeable workers, and the rapidly expanding growth of drone video and photography, and 3D printing technologies, is creating a need for workers with these skills.

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

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio and body of work to be used for promotion, client and project acquisition as a freelance designer, and to be used for obtaining employment in the design industry.
2. Demonstrate expert use of equipment, materials and software when creating multimedia projects.
3. Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

Required courses:		33.00
Select 33 units:		33.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 9	3-D Foundation	3.00
ART 14	Figure Drawing I	3.00
ART 31	Graphic Design I	3.00
ART 32	Creative Typography	3.00
ART 35	Illustration Art I	3.00
MSP 1	Multimedia Careers	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 10	Digital Video Design and Production	3.00
MSP 12	Two-Dimensional Animation	3.00
MSP 30	Introduction to Digital Art	3.00
MSP 45	3-D Computer Modeling and Animation	3.00
MSP 74	Multimedia Production I	3.00
MSP 75	Multimedia Production II	3.00
MSP 96	Introduction to Computer Graphics	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Beginning Digital Photography	3.00
PHO 8	Commercial and Studio Photography	3.00
RTVF 40	Video Production	3.00

Total: 33.00

Certificate of Achievement in Multimedia Studies

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 09582.00CA

See AS Degree in Multimedia Studies.

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

1. Employ critical thinking and conceptual problem-solving skills to create a portfolio and body of work to be used for promotion, client and project acquisition as a freelance designer, and to be used for obtaining employment in the design industry.
2. Demonstrate expert use of equipment, materials and software when creating multimedia projects.
3. Discuss, write about, organize and produce works for presentation to clients, employers and implementation based on project needs.

Required courses:		24.00
Select 24 units:		24.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 9	3-D Foundation	3.00
ART 14	Figure Drawing I	3.00
ART 31	Graphic Design I	3.00
ART 32	Creative Typography	3.00
ART 35	Illustration Art I	3.00
MSP 1	Multimedia Careers	3.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 10	Digital Video Design and Production	3.00
MSP 12	Two-Dimensional Animation	3.00
MSP 30	Introduction to Digital Art	3.00
MSP 45	3-D Computer Modeling and Animation	3.00
MSP 74	Multimedia Production I	3.00
MSP 75	Multimedia Production II	3.00
MSP 96	Introduction to Computer Graphics	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Beginning Digital Photography	3.00
PHO 8	Commercial and Studio Photography	3.00
RTVF 40	Video Production	3.00

Total: 24.00

AS Degree in Photography

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01334.00AS

The Photography program provides students with a working knowledge of black-and-white and color photography, and fundamental laboratory and technical skills required for entry-level employment. The curriculum is designed to teach students to become independent professional photographers or to work as technician/photographers for others. Photography is a two-year Associate Degree program.

Photography is used in virtually every field in this media-conscious age. Public relations and advertising firms, newspapers, magazines and the fashion industry are among the more traditional employers. Camera and lab skills also are required for portraiture, wedding and scientific photography. Staff photographers are employed by industrial and architectural firms, hospitals, telecommunication and record companies, galleries and schools, as well as state agencies. Photographers also are needed for aerial surveying for land and/or agricultural development projects. Working photographers encounter challenges requiring their technical skills and artistic innovation. Jobs involve scheduling photographic assignments for a variety of clients.

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

1. Execute technical, aesthetic, and conceptual decisions based on an understanding of art and design principles.
2. Produce photographs suitable for seeking career opportunities in photography.
3. Solve creative problems in photography, including research and synthesis of technical, aesthetic, and conceptual knowledge.
4. Communicate photography concepts to specific audiences using proper visual, oral, and written presentation skills.
5. Evaluate photographic works, including their own, using professional terminology.

Required courses:		26.00
PHO 1	History of Photography	3.00
PHO 2	Introduction to Photography	3.00
PHO 4	Beginning Digital Photography	3.00
PHO 6	Intermediate Black and White Darkroom Photography	3.00
PHO 8	Commercial and Studio Photography	3.00
PHO 11	Alternative Photographic Processes	3.00
PHO 14	Introduction to Photographic Portfolios and Books	3.00
PHO 15	Intermediate Digital Photography	3.00
PHO 99	Work Experience-PHO	2.00

Total: 26.00

Certificate in Professional Photography

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: PROFESSIONALPHOTO.CC

(Not Eligible for Financial Aid) This certificate will give students an extensive and thorough expertise in digital photography. Through a series of in-depth demonstrations and lectures students address techniques of image capture, enhancement, and output such as RAW-file workflow and digital printing. Additionally, students will develop a basic understanding of the aesthetic, technical, theoretical, and conceptual issues related to artificial lighting and color management. Topics include the physical properties of light and shadow, continuous light and electronic flash, metering, studio lighting, location lighting, and color compensation. Assignments cover a range of subjects including portraiture, still life, and architecture. In addition to the technical and practical aspects of this certificate, students are expected and encouraged to develop a personal aesthetic and conceptual foundation for their work. This certificate is organized around a series of assigned exercises, projects and critiques and results in the creation of a photographic portfolio.

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

1. Demonstrate the safe use of photographic equipment in the studio and on location.
2. Produce photographic images for a variety of applications including industrial, medical, product display, architectural, portrait, food and fashion modeling.
3. Use computer software to edit and enhance photographic images for a variety of media including magazines, newspapers, brochures, television, and the internet.
4. Produce a selection of photographic images for a professional resume.

Required courses:	12.00

PHO 2	Introduction to Photography	3.00
PHO 4	Beginning Digital Photography	3.00
PHO 8	Commercial and Studio Photography	3.00
PHO 15	Intermediate Digital Photography	3.00

Total: 12.00

AA-T Degree in Studio Arts

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 32093.31AA-T

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

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

1. Employ technical skills, creativity, critical thinking, and conceptual problem-solving in completing independent projects in the fields of Visual Art, Design, and Studio Arts.
2. Analyze, compare, and synthesize significant global ideas and primary original works of art and architecture from diverse cultures and time periods.
3. Produce, present, and describe a portfolio consisting of original artworks and/or writing about art.
4. Demonstrate expert and safe use of a variety of equipment, materials, software, and tools, when performing, writing about, and/or creating works of art.

Required courses:		24.00
ART 4	Renaissance in Contemporary Art History Survey	3.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 9	3-D Foundation	3.00
List A (Select one):		3.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
List B (Select three):		9.00
ART 14	Figure Drawing I	3.00
ART 17	Painting I	3.00
ART 23	Printmaking I	3.00
ART 50	Beginning Ceramics	3.00
ART 60	Sculpture I	3.00
ART 81	Introduction to Fiber Arts	3.00
MSP 30	Introduction to Digital Art	3.00
PHO 2	Introduction to Photography	3.00

Total: 24.00

Health & Public Services

If you're drawn to helping others, keeping communities safe, or working in healthcare, the HPS Community of Interest is for you. This COI includes programs in nursing, public health, emergency medical services, law enforcement, fire technology, and more. You'll learn from experienced instructors in high-demand fields, with opportunities to train in real-world settings and make a difference from day one.

Administration of Justice and Fire Technology

Dept Chair Contact: AJ/Fire Science: Marshall Haslem - AHPS 144 - (530) 895-2933 - haslemma@butte.edu

Director Contact: Law/Parks/Fire Academy: Don Beasley - AHPS 144 - (530) 895-2405 - beasleydo@butte.edu

AS-T Degree in Administration of Justice

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31042.31AS-T

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

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

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

Required courses:		18.00-19.00
AJ 2	Administration of Justice	3.00
AJ 4	Criminal Law	3.00
List A (Select two):		6.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 14	Community Oriented Policing	3.00
List B (Select two or any course from List A not already used):		6.00-7.00
PSYC C1000	Introduction to Psychology	3.00
SOC 2	Principles of Sociology	3.00
		4.00
STAT C1000	Introduction to Statistics	4.00
OR		
STAT C1000E	Introduction to Statistics	4.00

Total: 18.00-19.00

AS Degree in Administration of Justice

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 07269.00AS

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

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

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

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

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

Required courses:	33.00

AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 13	Organized Crime/Gangs	3.00
AJ 14	Community Oriented Policing	3.00
AJ 99	Work Experience-AJ	1.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 33.00

Certificate of Achievement in Administration of Justice

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 07269.00CA

See AS Degree in Administration of Justice.

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

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

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

Total: 30.00

Certificate in BASIC 32

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: BASIC32.CC

(Not Eligible for Financial Aid) Student will gain fundamental knowledge of the factors affecting wildland fire behavior, control prevention, and firefighter safety for entry-level employment with a federal agency wildland firefighting crew.

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

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

Required course:	3.00

FSC 18	Basic Wildland Firefighting	3.00

Total: 3.00

AS Degree in Court Personnel/Pre-Law

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 11136.00AS

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

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

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

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

Required courses:		37.00-39.00
ACCT 20	Introduction to Accounting	3.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 3	Legal Research	2.00
AJ 4	Criminal Law	3.00
AJ 6	Evidence	3.00
AJ 8	Criminal Investigation	3.00
AJ 11	Criminal Procedure	3.00
BUS 8	Introduction to Business Law	3.00
BUS 20	Introduction to Business	3.00
POS 12	California State and Local Government	3.00
Select one:		1.00-3.00
AJ 99	Work Experience-AJ	1.00
BCIS 59	Beginning Legal Office Procedures	3.00
BCIS 60	Advanced Legal Office Procedures	3.00

Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00

Total: 37.00-39.00

Certificate of Achievement in Court Personnel/Pre-Law

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 11136.00CA

See AS Degree in Court Personnel/Pre-law.

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

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

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

Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00

Total: 30.00

AS Degree in Criminal Justice

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 16981.00AS

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

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

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

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

Total: 18.00

AS Degree in Fire Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01362.00AS

The Fire Technology program is designed to give students the knowledge to pursue a career in fire science. Students will gain a broad working knowledge of building inspection and the many aspects of municipal and wildland firefighting. The AS should be considered a step toward a higher degree or specialized instruction. Students who complete the two-year A.S. degree will be able to seek employment in many different areas including careers in firefighting, building inspection and fire prevention.

Students interested in a fire science career have two options: Firefighter I and II Academy or AS degree program.

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

1. Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
2. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and firefighter health and safety.

Required courses:		27.00
FSC 2	Introduction to Fire Science	3.00
FSC 4	Fundamentals of Fire Behavior and Combustion	3.00
FSC 10	Building Construction for Fire Protection	3.00
FSC 12	Fundamentals of Fire Prevention	3.00
FSC 14	Fire Protection Equipment and Systems	3.00
POLS C1000	American Government and Politics	3.00
Select 9 units:		9.00
FSC 6	Fire Tactics and Strategy	3.00
FSC 8	Principles of Fire Safety	3.00
FSC 16	Fire Company Organization and Management	3.00
FSC 18	Basic Wildland Firefighting	3.00

Total: 27.00

Certificate of Achievement in Fire Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01362.00CA

See AS Degree in Fire Technology.

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

1. Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
2. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and firefighter health and safety.

Required courses:		28.00
FSC 2	Introduction to Fire Science	3.00
FSC 4	Fundamentals of Fire Behavior and Combustion	3.00
FSC 8	Principles of Fire Safety	3.00
FSC 10	Building Construction for Fire Protection	3.00
FSC 12	Fundamentals of Fire Prevention	3.00
FSC 14	Fire Protection Equipment and Systems	3.00
POLS C1000	American Government and Politics	3.00
Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00
Kinesiology Requirement: General Fitness Family (Select 3 units)		3.00
KIN 48	Stretching for Life	1.50
KIN 49	Fit Mix	1.50
KIN 51	Butte Fitness and Wellness Center	1.50
KIN 52	Walking for Fitness	1.50
KIN 53	Jogging/Running for Fitness	1.50

Total: 28.00

Certificate of Achievement in Firefighter I and II Academy

About the Program

Program Goal: Career
GE Pattern(s): None

Program Code: 32841.01CA

The Firefighter I and II 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 and II Academy is considered 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. Possession of an EMT-Basic Certificate is a prerequisite for attendance in the Butte College Firefighter I and II Academy. Instruction in the Butte College Fire Academy far exceeds the CSFM Firefighter I Certification requirements. The Firefighter II component will prepare the student to obtain the knowledge, skills, and abilities to meet the California State Fire Marshal IFSAC/PROBOARD certification for Firefighter II plus enhancing their ability to secure employment with a fire agency. 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 and II Academy, please visit our website at: http://www.butte.edu/departments/careertech/publicsafety/fire_academy.html.

The Firefighter I Academy prepares students for successful completion of the Firefighter I Certificate issued by the California Office of State Fire Marshal and to enter the workforce as entry-level firefighters.

The Firefighter II Academy prepares students for successful completion of the coursework required by the California State Fire Marshal and to better the chances for the student to secure employment.

Admission to the Program:

Completion of all prerequisite courses (prerequisites may be in progress at the time of application but must be completed prior to the start of the academy).

Prerequisites:

1. Attend (1) mandatory Orientation
2. 2.6 GPA from a high school if the student has not attended college otherwise 2.6 GPA from all community colleges/universities, including Butte College
3. Current EMT certification or AEMT (Advanced EMT) certification
4. Student must be a high school graduate or have a GED/CHSPE and provide evidence.

Students are admitted by application only. Contact the Public Safety Education Center (AHPS 144) or visit http://www.butte.edu/careers/public safety for application dates and materials. Admission to the program is based on academic and general requirements. The program will accept the first 40 applicants who complete all the required steps.

Completion of all application forms including Personal History Statement, Health History Statement, and Physical Examination.

Fingerprinting through the California Department of Justice is required. Applicants' conviction and incarceration history must be reviewed and evaluated for clinical eligibility, based on state standards.

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

1. Describe the components of a personal fitness program and develop a personal fitness program that will allow them to pass a standard fire fighter employment physical ability examination.
2. Successfully perform tasks which combine manipulative and technical competency required for California Firefighter I and II certification.
3. Certificates in other related career enhancement fields to strengthen the marketability of the student for a career into the fire service.
4. Upon successful completion of this course, the student will be able to: A. Demonstrate the knowledge, skills, and abilities required to meet the California State Fire Marshal IFSAC/PROBOARD Certification for Firefighter I and II.

Required courses:		26.50
EDUC 10	Critical Skills for College Success	0.50
FSC 105	Fire Academy Physical Training	2.50
FSC 106	Firefighter I Academy	22.00
FSC 107	Firefighter II Academy	1.50

Total: 26.50

AS Degree in Law Enforcement - Basic

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 17935.00AS

The Law Enforcement Academy program is designed to prepare students to meet entry-level requirements for jobs in the law enforcement profession. The curriculum has sufficient breadth to allow students to pursue a career in a variety of agencies. Typically, the Basic Law Enforcement Academy begins in July and again in January. For the AS degree employable skills are developed in conjunction with General Education.

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

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

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

Students must provide a California Department of Justice clearance within 90 days prior to the start of the course which confirms that the applicant has no felony or misdemeanor convictions which would prohibit possession of a firearm.

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

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

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

Required courses:		37.00
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 140	Law Enforcement Academy	35.00

Total: 37.00

Certificate of Achievement in Law Enforcement Academy-Basic

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 33254.00CA

See AS Degree in Law Enforcement Academy-Basic.

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

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

Required courses:		37.00
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 140	Law Enforcement Academy	35.00

Total: 37.00

AS Degree in Law Enforcement Academy-Basic/Fish & Wildlife

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 18988.01AS

The Law Enforcement Academy program Fish and Wildlife emphasis is designed to prepare students to meet entry-level requirements for jobs in the law enforcement profession. The curriculum has sufficient breadth to allow students to pursue a career in a variety of agencies. This academy also emphasizes laws and regulations regularly enforced by the Department of Fish and Wildlife. For the AS degree employable skills are developed in conjunction with General Education.

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

Admission to the program:
Students are admitted by special application only. Admission to the program is based on scores on the P.O.S.T. Entry-Level Exam, completing a 1.5-mile run in 15 minutes or less, or another agency developed physical agility test, 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

Students must provide a California Department of Justice clearance within 90 days prior to the start of the course which confirms that the applicant has no felony or misdemeanor convictions which would prohibit possession of a firearm.

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

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

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

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

Total: 50.00

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

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 17970.01CA

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

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

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

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

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

Total: 50.00

AS Degree in Law Enforcement Academy-Basic/State Parks

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 35937.00AS

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

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

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

- Must have a high school diploma from an accredited high school, or a GED Certificate;
- Must pass Peace Officer Standards and Training Entry Level Law Enforcement Test Battery (PELLET-B) exam with a score of 42 or higher;

- Must pass Law Enforcement Academy Physical Training Test, a 1.5-mile run which must be completed in 15 minutes or less, or another agency developed physical agility test, no more than 3 months prior to the first day of the academy;
- Must complete Butte College Law Enforcement Academy Orientation;
- Must possess a valid, unrestricted driver's license with no current or recent suspensions;
- Must provide California Department of Justice clearance within 90 days of the start of the academy which confirms that the applicant has no felony or misdemeanor convictions or circumstances which would prohibit possession of a firearm; and
- Must provide proof of completion of a medical suitability examination

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

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

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

Required courses:		47.50
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 130	Law Enforcement Academy; Basic/State Parks Emphasis	45.50

Total: 47.50

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

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 36240.00CA

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

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

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

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

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

1. Meet or exceed the requirements as set forth by Peace Officer Standards and Training (P.O.S.T.) for California Peace Officer training.
2. Demonstrate, through written exams, crime scene scenario testing, and manipulative skills, core competencies as mandated by P.O.S.T.
3. Demonstrate, through written exams, DPR scenario testing, and manipulative skills, core competencies as mandated by DPR.
4. Evaluate and manage their physical fitness and maintain a healthy lifestyle in order to safely and effectively perform peace officer duties.

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

Required courses:		47.50
AJLE 100	Law Enforcement Academy Physical Training	2.00
AJLE 130	Law Enforcement Academy; Basic/State Parks Emphasis	45.50

Total: 47.50

Allied Health and Nutrition

Dept Chair Contact: Lisa Gunn - AHPS 251 - (530) 895-2423 - gunnli@butte.edu

Certificate in Allied Health

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ALLIEDHEALTH.CC

(Not Eligible for Financial Aid) The Allied Health Certificate is designed to prepare students to enter the healthcare field. The curriculum is designed as an introduction to careers in healthcare. It will also provide an understanding of medical terminology, and issues affecting public health and our society. In addition, the certificate provides curriculum on "soft skills" in healthcare, for example communication and professionalism. Upon completion of this certificate, students may be able to obtain an entry level position in the healthcare industry as well as submitting the certificate of completion to healthcare programs as part of their application process.

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

1. Compare and contrast different career option in the healthcare setting.
2. Analyze the common terms in healthcare and be able to transfer that knowledge to other healthcare courses.
3. Differentiate between public health and traditional medical models in healthcare.
4. Develop "soft skills" in the professional health care setting.

Required courses:		12.00
ALH 3	Introduction to Public Health	3.00
ALH 6	The Critical Six Soft Skills in the Professional Healthcare Environment	3.00
ALH 104	Medical Terminology	3.00
CLP 30	Career Life Planning	3.00

Total: 12.00

Certificate in Emergency Medical Responder (EMR)

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: EMR.CC

(Not Eligible for Financial Aid) The primary focus of the Emergency Medical Responder is to initiate immediate lifesaving care to critical patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response and to assist higher level personnel at the scene and during transport. Emergency Medical Responders function as part of a comprehensive EMS response. Emergency Medical Responders perform basic interventions with minimal equipment.

This certificate will prepare students to the level of Emergency Medical Responder (EMR). This is the first step in the recognized ladder of training in

EMS. Subsequent training enhances the knowledge and skills first learned here. The course also allows for the individual to go out and work as an EMR in such jobs as firefighter, lifeguard, law enforcement officer or an in-house emergency response team member in private industry. The primary focus of the EMR is to initiate immediate lifesaving care to critical patients who access the emergency medical system. The course covers the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response and to assist higher level personnel at the scene and during transport. Emergency Medical Responders function as part of a comprehensive EMS response, under medical oversight.

The department also recommends taking Medical Terminology (ALH 104) and The Critical Six Soft Skills in the Professional Healthcare Environment (ALH 6) for more well-rounded success in the field.

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

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

Required courses:		4.00
EMS 110	Emergency Medical Responder	4.00

Total: 4.00

Certificate in Emergency Medical Technician (EMT)

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: EMT.CC

(Not Eligible for Financial Aid) The primary focus of the Emergency Medical Technician is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Emergency Medical Technicians function as part of a comprehensive EMS response. Emergency Medical Technicians perform interventions with basic equipment typically found on an ambulance. The Emergency Medical Technician is a link from the scene to the emergency health care system.

The department also recommends taking Medical Terminology (ALH 104), The Critical Six Soft Skills in the Professional Healthcare Environment (ALH 6), Introduction to Human Biology (BIOL 2), and Survey of Human Systems (BIOL 10) for more well-rounded success in the field.

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

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

Required courses:		8.00
EMS 111	Emergency Medical Technician	8.00

Total: 8.00

Certificate of Achievement in Medical Coding

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 35746.00CA

The Certificate of Achievement in Medical Coding is for students for who want to pursue a career as medical coders and/or billers. The medical coder and biller are responsible for reviewing patient health records, assigning appropriate codes to diagnoses and procedures performed by the healthcare provider, and submitting claims for reimbursement and collecting payments.

The Bureau of Labor Statistics is predicting that the medical coder and biller fields are growing due to an aging population requiring more medical services.

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

1. Explain the role and the responsibilities that the medical coder has in the health information management field.
2. Describe the healthcare industry as it relates to health information management.
3. Demonstrate a working knowledge of medical terminology as it relates to medical coding.
4. Analyze healthcare legal and ethical issues in the context of the HIPAA guidelines.

5. Identify the content and structure of the health record, explain the importance of documentation on code assignment, and describe the impact on the reimbursement.
6. Interpret coding guidelines and accurately apply diagnosis and procedure codes utilizing ICD-10-CM, ICD-10-PCS, CPT, and HCPC.

Required courses:		28.00
ALH 104	Medical Terminology	3.00
BCIS 18	Introduction to Business Technology	3.00
BCIS 99	Work Experience-BCIS	2.00
BIOL 10	Survey of Human Systems	4.00
HIM 56	Introduction to Health Information Management	2.00
HIM 58	Healthcare Law and Ethics	2.00
HIM 62	Introduction to Medical Coding	3.00
HIM 63	Reimbursement	3.00
HIM 64	Advanced Medical Coding	3.00
HIM 76	Electronic Health Records	3.00

Total: 28.00

AS-T Degree in Nutrition & Dietetics

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35132.31AS-T

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

Students who transfer to a four-year university and pursue a career in Nutrition and Dietetics have a wide variety of career options including health-care facilities, foodservice operations, nutrition-related business and industries, government agencies, community/public health programs, sports nutrition and corporate wellness programs, research areas and private practice. Many employment settings, particularly those in medical and health-care settings, require a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN) credential.

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

1. Describe the role of nutrition as it relates to optimal health and disease prevention.
2. Critically evaluate nutrition information and differentiate between credible and non-credible sources of information.
3. Use the concepts developed by chemistry and biology to explain how the nutrients and compounds found in foods affect body functions and health.
4. Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.

Required courses:		26.00-28.00
BIOL 15	Introduction to Microbiology	4.00
CHEM 1	General Chemistry I	5.00
FN 2	Nutrition	3.00
PSYC C1000	Introduction to Psychology	3.00
List A (Select two):		8.00-10.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
		4.00
STAT C1000	Introduction to Statistics	4.00
OR		
STAT C1000E	Introduction to Statistics	4.00

List B (Select one):		3.00
FN 10	Food Safety and Sanitation	3.00
FN 12	Introduction to Food Science	3.00

Total: 26.00-28.00

AS Degree in Nutrition & Food Science

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11139.02AS

This program meets the lower division major preparation for a similar major at CSU, Chico. Visit website for details www.assist.org. The Associate Degree in Nutrition and Food Sciences provides opportunities for students to acquire the foundational knowledge related to the scientific principles deeply rooted in the field of Nutrition, Dietetics, and Food Science including chemistry, biology and math. Students who plan to transfer to a California State University (CSU) and pursue the General Dietetics option will also acquire knowledge related to the principles of psychology. Students who plan to transfer to a CSU and pursue the Food Administration option will acquire accounting and business-related knowledge. After completing the program students may be able to obtain an entry-level position, especially foodservice-related occupations. Students who transfer to a four-year university and pursue a career in Nutrition and Food Sciences have a wide variety of career options including health-care facilities, foodservice operations, nutrition-related business and industries, government agencies, community/public health programs, sports nutrition and corporate wellness programs, research areas and private practice. Many employment settings, particularly those in medical and health-care settings, require a Registered Dietitian (RD) or Registered Dietitian Nutritionist (RDN) credential.

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

1. Identify core concepts of natural and physical sciences, including Microbiology, Human Physiology, Chemistry and Statistics.
2. Apply academic skills needed for success in Nutrition and Food Sciences after transfer.
3. Describe ways in which food can be contaminated and identify preventive measures to reduce sources of contamination.
4. General Dietetics Option: Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in Psychology.
5. Nutrition Management Option: Identify and apply core concepts of Financial Accounting.
6. Food and Nutrition Communication Option: Demonstrate interpersonal and/or intercultural communication concepts and principles.

Required courses:		31.00-32.00
Complete required courses plus one CSU, Chico option:		28.00
BIOL 15	Introduction to Microbiology	4.00
BIOL 21	Human Physiology	4.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
FN 10	Food Safety and Sanitation	3.00
FN 12	Introduction to Food Science	3.00
FN 15	Introduction to Nutrition, Dietetics and Food Science	1.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Select one CSU, Chico option:		3.00-4.00
General Dietetics option at CSU, Chico		3.00
PSYC C1000	Introduction to Psychology	3.00
OR		
Nutrition Management option at CSU, Chico		4.00
ACCT 2	Financial Accounting	4.00
OR		
Food and Nutrition Communication option at CSU, Chico		3.00
Select one:		3.00
CMST 9	Intercultural Communication	3.00
CMST 10	Interpersonal Communication	3.00

Total: 31.00-32.00

AS Degree in Paramedic

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01343.01AS

The Paramedic program is designed to prepare the student to become a licensed paramedic in the State of California. It meets all California requirements. The program is also accredited by the Committee on Accreditation for the EMS Professions (CoAEMSP). Licensure examinations may

be taken upon completion of the two-semester program. The goal of the Butte College Paramedic Program is to prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

Paramedics function as an integral part of the comprehensive Emergency Medical System (EMS). By providing care at the scene of the incident and during transport to the hospital, the paramedic must possess a variety of skills ranging from system level knowledge of the human body to operational skills in applying various technologies used in assisting patients in emergency situations. This two-year program will provide both an AS degree and the opportunity to take the national exam to receive a Paramedic license.

Employment of Emergency Medical Technicians (EMTs) and Paramedics is projected to grow faster than the average for all occupations. Emergencies, such as motor vehicle accidents, natural disasters and acts of violence, will continue to create demand for EMTs and Paramedics. Demand for part-time, volunteer EMTs and Paramedics in rural areas and smaller metropolitan areas will also continue.

Growth in the middle-aged and elderly population will lead to an increase in age-related health emergencies, such as heart attacks and strokes. This increase, in turn, will create greater demand for EMT and Paramedic services. An increase in the number of specialized medical facilities will require more EMTs and Paramedics to transfer patients with specific conditions to these facilities for treatment.

Typical areas of employment include fire departments, private ambulance companies, hospitals, private industry and events, law enforcement, and lifeguards.

Admission to the Program:
Requires special application for admission. Prerequisites must be completed at a Regionally Accredited institution of higher education or COAEMSP. Requirements include: High school graduate or equivalent. Current National Registry EMT certification or AEMT (Advanced EMT) certification, and current BLS CPR card equivalent to the current American Heart Association's guidelines (no online CPR).

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

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

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

Required courses:		36.50
EMS 170	Paramedic-Theory	21.00
EMS 171	Paramedic Clinical and Field Internship	15.50

Total: 36.50

Certificate of Achievement in Paramedic

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01343.01CA

See AS Degree in Paramedic.

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

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

Required courses:		36.50
EMS 170	Paramedic-Theory	21.00
EMS 171	Paramedic Clinical and Field Internship	15.50

Total: 36.50

AS Degree in Respiratory Care

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01342.00AS

The Butte College Respiratory Care program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) (www.coarc.com).

Commission on Accreditation for Respiratory Care:
264 Precision Blvd.
Telford, TN 37690
(631) 912-7920

The Respiratory Care program is designed to prepare students to become licensed Respiratory Care Practitioners in the state of California. In addition, the program prepares the successful graduate to participate in the Registered Respiratory Therapist (RRT) examinations administered by the National Board for Respiratory Care (NBRC).

Respiratory care practitioners are highly skilled allied health professionals involved in the therapy, management, rehabilitation, diagnostic evaluation and care of patients with deficiencies and abnormalities that affect the cardiopulmonary system. They are employed in a variety of health care settings, including hospitals, physician's offices, home health agencies, specialized care hospitals, medical equipment supply companies, diagnostic laboratories, and patients' homes. They may further specialize in such areas as adult critical care, neonatal or pediatric intensive care, pulmonary function testing, transport medicine, hyperbaric medicine, cardiac and pulmonary rehabilitation programs, home care, management or education.

Graduates practicing in California are required to take and pass the National Board of Respiratory Care Therapist Multiple Choice exam at the high cut score and the Clinical Simulation Exam to achieve licensure. *Note: A person convicted of any offense other than a minor traffic violation may not qualify to be licensed as a Respiratory Care Practitioner in California. Questions regarding this should be directed to the Respiratory Care Program Director.

Admission to the Program:

- Requirements for Application:
  - Age 17 or older.
  - Prerequisites: BIOL 15, BIOL 20, BIOL 21, CHEM 51, and MATH 26/26s or MATH 28/28s or STAT C1000/C1000E. Must be completed with a C grade or better.
- Requirements for Admission to 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.
- Requirements for Completion of Program (courses may be taken prior to or during the program):
  - CMST 4 or COMM C1000 (select one)
  - ENGL C1000 or ENGL C1000E (select one)
  - PSYC C1000
  - All prerequisites and program required courses must be completed with a C grade or better.

The Respiratory Care program admits students once a year. The program begins in a Fall semester.

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

Estimated expenses average about $6,000-$7,000 for the entire program, including licensure. Financial aid may be available to qualified students.

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

1. Demonstrate a solid professional and general medical knowledge base.
2. Accurately interpret pertinent clinical information from medical records and physical findings.
3. Recommend appropriate therapeutic interventions based on physiological data and patient assessment data.
4. Demonstrate sound clinical judgment and is proficient in the clinical skills required on the job.
5. Competently perform the therapeutic procedures and modalities, and diagnostic procedures required on the job.
6. Demonstrate efficient performance of an overall patient assessment.
7. Demonstrate effective oral and communication skills.
8. Exhibit ethical and professional manners, including timely and prepared entrance to clinic and contributing to a positive work environment.
9. Function effectively as a member of the health care team, accepts supervision and works effectively with supervisory personnel.
10. Demonstrate self-direction and responsibility for his/her own actions.
11. Display respect for beliefs and values of all persons regardless of cultural background, religion, age, or lifestyle.

Required courses:		57.50
ALH 6	The Critical Six Soft Skills in the Professional Healthcare Environment	3.00
RT 110	Fundamentals of Respiratory Care	7.00
RT 115	Clinical Preparation for Respiratory Care	1.00
RT 118	Respiratory Care Pharmacology	3.00
RT 120	Concepts in Respiratory Care	7.00
RT 125	Introduction to Clinical Respiratory Care	5.00
RT 135	Fundamentals of Clinical Respiratory Care	3.50
RT 140	Fundamentals of Intensive Respiratory Care	6.00

RT 142	Neonatal and Pediatric Respiratory Care	3.00
RT 145	Advanced Respiratory Care Procedures	5.00
RT 155	Respiratory Care Practicum I	2.00
RT 160	Respiratory Care Seminar II	4.00
RT 165	Respiratory Care Practicum II	8.00

Total: 57.50

Health, Kinesiology & Athletics

Dept Chair Contact: Jeff Jordan - WLR 102 - (530) 895-2802 - jordanje@butte.edu

AA-T Degree in Kinesiology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 32446.31AA-T

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

With the completion of the AA-T in Kinesiology, students will possess foundational knowledge and skill that comprise the core content of the first two years of many four-year programs in Kinesiology.

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

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Describe physical activity as it relates to physiological responses and adaptations to exercise.
3. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
4. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
5. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		21.50-24.50
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
KIN 1	Introduction to Kinesiology	3.00
Movement-based Courses (Select one course from any three of the following areas):		4.50
Combative		
KIN 73	Self Defense	1.50
KIN 74	Boxing	1.50
KIN 77	Karate	1.50
Dance		
KIN 38	Ballroom Dance I	1.50
KIN 39	Ballroom Dance II	1.50
KIN 40	Jazz Dance I	1.50
Fitness		
KIN 23	Weight Training I	1.50
KIN 24	Weight Training II	1.50
KIN 27	Core Crossfit Training	1.50
KIN 42	Yoga I	1.50
KIN 43	Yoga II	1.50
KIN 45	Pilates	1.50
KIN 53	Jogging/Running for Fitness	1.50
Individual Sports		
KIN 57	Archery	1.50
KIN 58	Badminton	1.50
KIN 60	Bowling	1.50
KIN 61	Golf	1.50
Team Sports		

KIN 64	Baseball	1.50
KIN 65	Soccer	1.50
KIN 66	Softball	1.50
KIN 67	Non-Contact Football	1.50
KIN 68	Volleyball I	1.50
KIN 69	Volleyball II	1.50
KIN 70	Basketball I	1.50
KIN 71	Basketball II	1.50

List A (Select two): Only one course may be chosen from these groups (CHEM 1 or CHEM 51), (STAT C1000 or STAT C1000E), and (PSYC C1000 or SOC 2)		6.00-9.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
HLTH 2	Health and Wellness	3.00
KIN 11	First Aid and CPR	3.00
PHYS 21	College Physics I	4.00
PSYC C1000	Introduction to Psychology	3.00
SOC 2	Principles of Sociology	3.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 21.50-24.50

AA Degree in Kinesiology

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01320.02AA

This program meets the lower division major preparation for a similar major at CSU, Chico and other CSU Campuses. Visit website for details www.assist.org for specific campus requirements,

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

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Assess his or her own physical activity level as it relates to lifelong fitness.
3. Describe physical activity as it relates to physiological responses and adaptations to exercise.
4. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs.
5. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
6. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		20.50-21.50
BIOL 20	Human Anatomy	4.00
KIN 1	Introduction to Kinesiology	3.00
Select one:		3.00-4.00
BIOL 21	Human Physiology	4.00
KIN 11	First Aid and CPR	3.00

Select seven courses from at least three groups:		10.50
Dance		
KIN 38	Ballroom Dance I	1.50
KIN 39	Ballroom Dance II	1.50
KIN 40	Jazz Dance I	1.50
KIN 44	Jazz Dance II	1.50
Individual		
KIN 57	Archery	1.50
KIN 58	Badminton	1.50
KIN 59	Pickleball	1.50
KIN 60	Bowling	1.50
KIN 61	Golf	1.50
KIN 63	Track and Field	1.50

Self Defense		
KIN 73	Self Defense	1.50
KIN 74	Boxing	1.50
KIN 77	Karate	1.50
Team Sports		
KIN 64	Baseball	1.50
KIN 65	Soccer	1.50
KIN 66	Softball	1.50
KIN 67	Non-Contact Football	1.50
KIN 68	Volleyball I	1.50
KIN 69	Volleyball II	1.50
KIN 70	Basketball I	1.50
KIN 71	Basketball II	1.50
Weight Training and Fitness		
KIN 23	Weight Training I	1.50
KIN 24	Weight Training II	1.50
KIN 25	Olympic Weightlifting	1.50
KIN 27	Core Crossfit Training	1.50
KIN 28	Plyometric Training	1.50
KIN 42	Yoga I	1.50
KIN 43	Yoga II	1.50
KIN 45	Pilates	1.50

Total: 20.50-21.50

AA Degree in Physical Education: Exercise Physiology

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11126.01AA

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

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

1. Identify and describe major concepts, theoretical principles, history and evolution, and current trends in kinesiology.
2. Describe physical activity as it relates to physiological responses and adaptations to exercise.
3. Recognize anatomical impacts on exercise related to age, gender, individual goals, and special needs
4. Demonstrate and apply scientific principles to movement in the specific areas of fitness, aquatics, combatives, individual sport and team sport.
5. Develop and modify proper safety techniques for a variety of fitness programs.

Required courses:		31.00-32.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
KIN 1	Introduction to Kinesiology	3.00
PHYS 21	College Physics I	4.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
Select one group:		9.00-10.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
OR		
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
Complete 2 KIN Activity courses excluding KIN 51		3.00

Total: 31.00-32.00

Nursing

Dept Chair Contact: Laurie Bowles - AHPS 251 - (530) 895-2356 - bowlesla@butte.edu

AS Degree in Accelerated Track Registered Nursing: LVN to ADN

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 43186.00AS

The Associate Degree in Accelerated Track Registered Nursing: LVN to ADN program is a state approved program which provides the courses necessary for a Licensed Vocational Nurse to apply for licensure as a Registered Nurse. This program relies on vocational nursing training and prerequisite classes to count as some of the first and second semester courses of the program.

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 healthcare 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.

General Requirements:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- Prerequisites: Must be completed with a minimum C grade for each prior to application, and an overall GPA of 2.5 or higher
    - CMST 4, CMST 10, or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses.
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Required Course: ANTH 4, SOC 2, or SOC 4 (select one). May be in progress during the application process.
- All non-nursing coursework required for graduation must be completed prior to start of the program.
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.
- Upon admittance, additional prerequisites are required prior to beginning the core program: NSG 51 and NSG 52

General Requirements beginning FALL 2026:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- Prerequisites: Must be completed with a minimum C grade for each prior to application, and an overall GPA of 2.5 or higher
    - CMST 4 or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - FN 2
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses. Pass/No Pass Biology courses are not accepted.
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Advanced Placement exam credit will only be accepted for AP English Composition and/or AP Psychology. Official test scores must be submitted to Admissions & Records.
- Remaining general education courses may be in progress at the time of application but must be completed before program begins.
- Upon admittance, additional prerequisites are required prior to beginning the core program: NSG 51 and NSG 52

Admission to the program is based on the following point system:

- TEAS (composite score on first attempt of any distinct version)

    - 25 points for composite score of 80.00-100.00
    - 15 points for composite score of 75.00-79.99
    - 5 points for composite score of 70.00-74.99
    - 0 points for composite score of 62.00-69.99

- Human Anatomy, Human Physiology and Microbiology GPA (after first time taking it)
    - 25 points for an overall GPA of 4.0 or higher
    - 15 points for an overall GPA of 3.50-3.99
    - 5 points for an overall GPA of 3.00-3.49
    - 0 points for an overall GPA of 0.00-2.99

- Healthcare Experience
    - 25 points for 1800 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 15 points for 1000 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 5 points for 500 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 0 points for no qualifying healthcare experience

- Permanent Residence in Butte, Glenn, Tehama or Plumas counties (must provide documentation)
    - 25 points for living within Butte, Glenn, Tehama or Plumas counties in California
    - 0 points for living outside these California counties

Total Possible Points - 100

The top 48 applicants with the highest points will be admitted.

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.

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

1. Adhere to standards of professional practice and practice within legal, ethical and regulatory framework.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s) and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the healthcare team to assist the client to move toward positive outcomes in an efficient and cost-effective manner.

Required courses:		29.50
NSG 51	Accelerated Track Transition to ADN Nursing I	1.50
NSG 52	Accelerated Track Transition to ADN Nursing II	1.50
NSG 4	Accelerated Track Medical Surgical Nursing IB	2.50
NSG 6	Accelerated Track Clinical I	4.00
NSG 9	Accelerated Track Mental Health and Psychiatric Nursing	1.50
NSG 10	Accelerated Track Advanced Medical Surgical Nursing II	1.50
NSG 12	Accelerated Track Clinical Medical/Surgical II and Mental Health Nursing	4.00
NSG 13	Accelerated Track Associate Degree Nursing Capstone	0.50
NSG 14	Accelerated Track Gerontology and Community Based Nursing	1.50
NSG 15	Accelerated Track Pharmacology II	1.00
NSG 16	Accelerated Track Advanced Medical Surgical Nursing III	4.00
NSG 17	Accelerated Track Clinical III	6.00

Total: 29.50

Certificate of Achievement in Accelerated Track Registered Nursing: LVN to ADN

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 43187.00CA

A 30-unit option is available. The Certificate of Achievement in Accelerated Track Registered Nursing: LVN to ADN program is a state-approved program which provides the courses necessary for a Licensed Vocational Nurse to apply for licensure as a Registered Nurse. This program relies on vocational nursing training and prerequisite classes to count as some of the first and second semester courses of the program.

A registered nurse can seek employment in a variety of settings: acute care hospitals, community/home health care, skilled nursing and long-term care facilities, clinics, physicians' offices and any number of private industries that interface with healthcare 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.

General Requirements:

- Age 17 or older with a 12th grade education or equivalent.
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- BIOL 15 and BIOL 21 must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses.
- **Effective Fall 2026:** Pass/No Pass Biology courses will not be accepted.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

Admission to the program is based on the following point system:

- TEAS (composite score on first attempt of any distinct version)
    - 25 points for composite score of 80.00-100.00
    - 15 points for composite score of 75.00-79.99
    - 5 points for composite score of 70.00-74.99
    - 0 points for composite score of 62.00-69.99
- Human Anatomy, Human Physiology and Microbiology GPA (after first time taking it)
    - 25 points for an overall GPA of 4.0 or higher
    - 15 points for an overall GPA of 3.50-3.99
    - 5 points for an overall GPA of 3.00-3.49
    - 0 points for an overall GPA of 0.00-2.99
- Healthcare Experience
    - 25 points for 1800 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 15 points for 1000 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 5 points for 500 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
    - 0 points for no qualifying healthcare experience
- Permanent Residence in Butte, Glenn, Tehama or Plumas counties (must provide documentation)
    - 25 points for living within Butte, Glenn, Tehama or Plumas counties in California
    - 0 points for living outside these California counties

Total Possible Points - 100

The top 48 applicants with the highest points will be admitted.

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.

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

1. Adhere to standards of professional practice and practice within legal, ethical and regulatory framework.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s) and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the healthcare team to assist the client to move toward positive outcomes in an efficient and cost-effective manner.

Required courses:		29.50
BIOL 15	Introduction to Microbiology	4.00
BIOL 21	Human Physiology	4.00
NSG 51	Accelerated Track Transition to ADN Nursing I	1.50
NSG 52	Accelerated Track Transition to ADN Nursing II	1.50
NSG 9	Accelerated Track Mental Health and Psychiatric Nursing	1.50
NSG 12	Accelerated Track Clinical Medical/Surgical II and Mental Health Nursing	4.00
NSG 13	Accelerated Track Associate Degree Nursing Capstone	0.50
NSG 14	Accelerated Track Gerontology and Community Based Nursing	1.50
NSG 15	Accelerated Track Pharmacology II	1.00
NSG 16	Accelerated Track Advanced Medical Surgical Nursing III	4.00
NSG 17	Accelerated Track Clinical III	6.00

Total: 29.50

AS Degree in Accelerated Track Registered Nursing

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 43185.00AS

The Associate Degree in Accelerated Track Registered Nursing program prepares the student for licensure as an RN at the Associate Degree Nursing (ADN) level. The three-semester program provides theory and clinical content required for registered nursing licensure. Upon completion of the degree, the student will be eligible for the national/state licensure examination for registered nursing.

A registered nurse can seek employment in a variety of settings: acute care hospital, community/home health care, skilled and long-term care, clinics, physician offices and any number of private industries that interface with healthcare 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.

General Requirements:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Prerequisites: Must be completed with a minimum C grade for each prior to application, and an overall GPA of 2.5 or higher
    - CMST 4, CMST 10, or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - FN 2 or FN 50
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Required Course: ANTH 4, SOC 2, or SOC 4 (select one). May be in progress during the application process.
- All non-nursing coursework required for graduation must be completed prior to start of the program.
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

General Requirements beginning FALL 2026:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Prerequisites: Must be completed with a minimum C grade for each prior to application, and an overall GPA of 2.5 or higher
    - CMST 4 or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - FN 2
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses. Pass/No Pass Biology courses are not accepted.
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

- Advanced Placement exam credit will only be accepted for AP English Composition and/or AP Psychology. Official test scores must be submitted to Admissions & Records.
- Remaining general education courses may be in progress at the time of application but must be completed before program begins.

Admission to the program is based on the following point system:

- TEAS (composite score on first attempt of any distinct version)
  - 25 points for composite score of 80.00-100.00
  - 15 points for composite score of 75.00-79.99
  - 5 points for composite score of 70.00-74.99
  - 0 points for composite score of 62.00-69.99
- Human Anatomy, Human Physiology and Microbiology GPA (after first time taking it)
  - 25 points for an overall GPA of 4.0 or higher
  - 15 points for an overall GPA of 3.50-3.99
  - 5 points for an overall GPA of 3.00-3.49
  - 0 points for an overall GPA of 0.00-2.99
- Healthcare Experience
  - 25 points for 1800 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
  - 15 points for 1000 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
  - 5 points for 500 hours or more worked in the last 2 years as a CNA, EMT, LVN, Paramedic, Monitor Tech, Perinatal Tech, Surgery Tech, ED Tech, Patient Monitors, Patient Care Support Techs or Corpsman
  - 0 points for no qualifying healthcare experience
- Permanent Residence in Butte, Glenn, Tehama or Plumas counties (must provide documentation)
  - 25 points for living within Butte, Glenn, Tehama or Plumas counties in California
  - 0 points for living outside these California counties

Total Possible Points - 100

The top 48 applicants with the highest points will be admitted.

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.

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

1. Adhere to standards of professional practice and practice within legal, ethical and regulatory framework.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision-making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s) and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the healthcare team to assist the client to move toward positive outcomes in an efficient and cost-effective manner.

Required courses:		37.00
NSG 1	Accelerated Track Foundations of Practice	1.00
NSG 2	Accelerated Track Pharmacology I	1.00
NSG 3	Accelerated Track Medical Surgical Nursing IA	1.50
NSG 4	Accelerated Track Medical Surgical Nursing IB	2.50
NSG 5	Accelerated Track Foundations Clinical	2.00
NSG 6	Accelerated Track Clinical I	4.00
NSG 7	Accelerated Track Normal and Advanced Obstetrics Nursing	1.50
NSG 8	Accelerated Track Normal and Advanced Pediatric Nursing	1.50
NSG 9	Accelerated Track Mental Health and Psychiatric Nursing	1.50
NSG 10	Accelerated Track Advanced Medical Surgical Nursing II	1.50
NSG 11	Accelerated Track Obstetrics and Pediatric Nursing Clinical	2.00
NSG 12	Accelerated Track Clinical Medical/Surgical II and Mental Health Nursing	4.00

NSG 13	Accelerated Track Associate Degree Nursing Capstone	0.50
NSG 14	Accelerated Track Gerontology and Community Based Nursing	1.50
NSG 15	Accelerated Track Pharmacology II	1.00
NSG 16	Accelerated Track Advanced Medical Surgical Nursing III	4.00
NSG 17	Accelerated Track Clinical III	6.00

Total: 37.00

Certificate in Acute Care Nurse Assistant

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ACUTENURSEASSIST.CC

(Not Eligible for Financial Aid) This certificate provides the Certified Nurse Aide (CNA) with the knowledge and skills to function in an acute care setting.

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

1. Describe the limitations of the acute care nurse assistant with respect to the Scope of Practice guidelines.
2. Practice effective communication and documentation skills in the acute care setting.
3. Describe knowledge and understanding of a safe and secure environment for patients in the acute care setting. This includes ensuring the patient's room is free of hazards that might impede mobility and safety, as well as the provision of physical comfort.
4. Demonstrate and practice safe and effective care of the surgical patient.
5. Collaborate with nursing staff to formulate an appropriate plan of care for the patient with disorder of the major body systems: gastrointestinal, renal, reproductive, endocrine, cardiovascular, and respiratory.
6. Identify and follow proper procedures for providing appropriate care for the orthopedic, oncology, pediatric and/or dying patient.

Required courses:		4.00
NSG 102	CNA Acute Care	4.00

Total: 4.00

Certificate in Certified Nursing Assistant

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: NURSINGASST.CC

(Not Eligible for Financial Aid) The Certified Nursing Assistant program is designed to prepare students for state certification as a Nursing Assistant. Successful completion of the program makes students eligible to take the written and manual skills test for state certification. The rapidly growing need for skilled health personnel provides good employment opportunities for Certified Nursing Assistants and Home Health Aides. Positions are found in general and convalescent hospitals, physicans' offices, private homes, community health agencies and in industry.

This program requires special admission. To enroll, potential students should contact the Nursing Department or visit www.butte.edu/healthoccupations for more information.

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

1. Describe and provide safe and competent personal care and procedures to clients in a long-term care setting.
2. Apply safety, cleanliness and infection control nursing measures.
3. Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered.
4. Identify and apply legal and ethical principles related to the role of the nursing assistant and the rights of residents.
5. Describe quality of life issues, common long-term diseases/conditions, and related nursing care and rehabilitation techniques.
6. Describe basic principles of nutrition and types of therapeutic diets.
7. Correctly calculate mathematical problems related to the CNA nursing role and care.

Required courses:		7.00
NSG 100	CNA Basic Nursing Care, Theory	4.00
NSG 101	CNA Basic Nursing Care, Clinical	3.00

Total: 7.00

Certificate in Home Health Aide for the CNA

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: HOMEHLTHAIDE.CC

(Not Eligible for Financial Aid) The Home Health Aide program is designed to prepare students to care for clients in the home care setting. Successful completion of the program allows a student to be certified in the Home Health setting.

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

1. Describe and provide safe and competent personal care, procedures and interventions to clients in a home setting.
2. Apply safety, cleanliness and infection control nursing measure in a home care setting.
3. Utilize professional and therapeutic communication techniques and prepare complete and correct documentation of care delivered in the home care setting.
4. Identify and apply legal and ethical principles related to the role of the nursing assistant and the rights of residents in home care setting.
5. Describe quality of life issues, the impact of common long-term diseases/conditions, and related nursing care and rehabilitation techniques utilized in the home care setting.
6. Describe basic principles of nutrition, food selection, storage and planning/preparation of different types of therapeutic diets of the home care setting.
7. Correctly calculate mathematical problems related to the CNA nursing role and care in the home care setting.

Required courses:		2.00
NSG 103	Home Health Aide for the CNA	2.00

Total: 2.00

AS Degree in Licensed Vocational Nursing

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01340.00AS

The Licensed Vocational Nursing program is a state-approved vocational program which provides the curriculum necessary for an individual to qualify for the state board examination for Licensure as a vocational nurse. The curriculum includes prerequisite courses and the equivalent of three academic semesters of nursing theory and supervised clinical experience.

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 both healthy and ill.

The rapidly growing need for skilled health personnel provides good employment opportunities for the Licensed Vocational Nurse. Positions are found in acute care hospitals, skilled nursing and long-term care facilities, physicians' offices, private homes, community health agencies and in industry.

Admission to the Program:

Students are admitted by application only. In the event there are more qualified candidates than vacancies in the class, a computer lottery will select the individuals to be enrolled. Applicants that are not selected for enrollment must reapply if they wish to be considered for admission to a future program.

Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials.

Requirements for Application:

- Age 17 or older with a 12th grade education or equivalent.
- Prerequisites: Must be completed with a C grade or better prior to application
    - BIOL 20
    - BIOL 21
    - ENGL C1000 or ENGL C1000E
    - FN 2 or FN 50
    - Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

Requirements for Application beginning FALL 2026:

- Age 17 or older with a 12th grade education or equivalent.
- Prerequisites: Must be completed with a C grade or better prior to application

    - BIOL 20
    - BIOL 21
    - ENGL C1000 or ENGL C1000E
    - FN 2
    - Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.
- Advanced Placement exam credit will only be accepted for AP English Composition and/or AP Psychology. Official test scores must be submitted to Admissions & Records.
- Remaining general education courses may be in progress at the time of application but must be completed before program begins.

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

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

1. Use the nursing process to provide nursing care to individual patients/clients and families throughout the life span.
2. Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.
3. Provide educational information for individual patients/clients, families, and groups to promote, achieve, or maintain a state of health.
4. Initiate and maintain therapeutic communication with individual patients/clients and families.
5. Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
6. Collaborate with other healthcare team members to provide optimum care.
7. Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

Required courses:		49.00
NSG 18	Fundamentals of Nursing	3.00
NSG 21	Clinical Nursing I	7.00
NSG 22	Gerontology Nursing	1.00
NSG 23	Pharmacology Nursing	3.00
NSG 24	Musculoskeletal Nursing	1.00
NSG 28	Role Development	1.00
NSG 31	Clinical Nursing II	7.00
NSG 32	Perioperative Nursing and Client Education	2.00
NSG 35	Cardiovascular and Respiratory Nursing	3.00
NSG 36	Gastrointestinal and Renal/Urinary Nursing	2.00
NSG 37	Endocrine Disorders	2.00
NSG 41	Clinical Nursing III	7.00
NSG 42	Maternal Child Nursing	2.00
NSG 43	Neurological and Rehabilitation Nursing	2.00
NSG 44	Psych/Mental Health Nursing	2.00
NSG 47	Oncology Nursing	2.00
NSG 49	Role Development and Vocational Relations/Leadership	2.00

Total: 49.00

Certificate of Achievement in Licensed Vocational Nursing

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01340.00CA

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 experience.

The primary role of the licensed vocational nurse is to provide bedside nursing in a variety of clinical settings. The student will study common medical-surgical conditions, their origin, prevention and treatment, emphasizing the related nursing care. To help the student provide "individualized" nursing care, other courses provide basic psychology and sociology concepts relevant to the development, motivation and reactions of people healthy and ill.

The rapidly growing need for skilled health personnel provides good employment opportunities for the Licensed Vocational Nurse. Positions are found in acute care hospitals, skilled nursing facilities, physicians' offices, private homes, community health agencies and in industry.

Admission to the Program:

Students are admitted by application only. In the event there are more qualified candidates than vacancies in the class, a computer lottery will select the individuals to be enrolled. Applicants that are not selected for enrollment must reapply if they wish to be considered for admission to a future program.

Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials.

Requirements for Application:

- Age 17 or older with a 12th grade education or equivalent.
- Prerequisites: Must be completed with a C grade or better prior to application
    - BIOL 20
    - BIOL 21
    - ENGL C1000 or ENGL C1000E
    - FN 2 or FN 50
    - **Effective Fall 2026:** FN 50 will no longer fulfill the prerequisite requirement.
    - 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

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

1. Use the nursing process to provide nursing care to individual patients/clients and families throughout the life span.
2. Demonstrate competency in the performance of technical nursing skills based on knowledge of nursing principles.
3. Provide educational information for individual patients/clients, families, and groups to promote, achieve, or maintain a state of health.
4. Initiate and maintain therapeutic communication with individual patients/clients and families.
5. Demonstrate caring behaviors based on recognition of individual needs and cultural differences.
6. Collaborate with other healthcare team members to provide optimum care.
7. Demonstrate professional behaviors in the role of a Licensed Vocational Nurse.

Required courses:		49.00
NSG 18	Fundamentals of Nursing	3.00
NSG 21	Clinical Nursing I	7.00
NSG 22	Gerontology Nursing	1.00
NSG 23	Pharmacology Nursing	3.00
NSG 24	Musculoskeletal Nursing	1.00
NSG 28	Role Development	1.00
NSG 31	Clinical Nursing II	7.00
NSG 32	Perioperative Nursing and Client Education	2.00
NSG 35	Cardiovascular and Respiratory Nursing	3.00
NSG 36	Gastrointestinal and Renal/Urinary Nursing	2.00
NSG 37	Endocrine Disorders	2.00
NSG 41	Clinical Nursing III	7.00
NSG 42	Maternal Child Nursing	2.00
NSG 43	Neurological and Rehabilitation Nursing	2.00
NSG 44	Psych/Mental Health Nursing	2.00
NSG 47	Oncology Nursing	2.00
NSG 49	Role Development and Vocational Relations/Leadership	2.00

Total: 49.00

AS Degree in Registered Nursing

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 14583.00AS

The two-year traditional Registered Nursing Associate Degree program prepares the student for licensure as an RN at the Associate Degree Nursing (ADN) level. The four-semester program provides theory and clinical content required for registered nursing licensure. Upon completion of the degree, the student will be eligible for the national/state licensure examination for registered nursing.

A registered nurse can seek employment in a variety of settings: acute care hospitals, community/home health care, skilled nursing and long-term care facilities, clinics, physicians' 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. In the event there are more qualified candidates than vacancies in the class, a computer lottery will select the individuals to be enrolled. Applicants that are not selected for enrollment must reapply if they wish to be considered for admission to a future program.

Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials.

Requirements for Application:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Prerequisites: Must each be completed with a minimum C grade prior to application, and an overall GPA of 2.5 or higher
    - CMST 4, CMST 10, or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - FN 2 or FN 50
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Required Course: ANTH 4, SOC 2, or SOC 4 (select one). May be taken prior to or during the program.
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

Requirements for Application beginning FALL 2026:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Prerequisites: Must each be completed with a minimum C grade prior to application, and an overall GPA of 2.5 or higher
    - CMST 4 or COMM C1000
    - ENGL C1000 or ENGL C1000E
    - FN 2
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses.
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.
- Advanced Placement exam credit will only be accepted for AP English Composition and/or AP Psychology. Official test scores must be submitted to Admissions & Records.
- Remaining general education courses may be in progress at the time of application but must be completed before program begins.

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.

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

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		51.00
NSG 54	Foundations of Practice	3.00
NSG 55	Medical Surgical Nursing I	4.00
NSG 56	Clinical Nursing I	5.00
NSG 60	Maternity Nursing	2.00
NSG 61	Pharmacology	2.00
NSG 62	Medical-Surgical Nursing II	4.00
NSG 63	Pediatric Nursing	2.00
NSG 66	Clinical Nursing II	5.00
NSG 67	Complex Medical/Surgical Nursing III	4.00
NSG 68	Clinical Nursing III	5.00

NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 77	Complex Medical/Surgical Nursing IV	4.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00

Total: 51.00

AS Degree in Registered Nursing: LVN to ADN

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01339.00AS

The AS in Registered Nursing: LVN to ADN program prepares LVNs for licensure as RNs at the Associate Degree level (ADN). Training as a vocational nurse and prerequisite courses count as the first year of a traditional two-year Associate Degree registered nursing program. The two semesters of clinical nursing provide the additional nursing content required for a registered nursing licensure.

Upon completion of the program, the student will be eligible for the national/state licensure examination for registered nurses. A registered nurse can seek employment in a variety of settings: acute care hospitals, community/home health care, skilled nursing and long-term care facilities, clinics, and physicians' offices, as well as private industries that interface with health care delivery. A national shortage of registered nurses is predicted for the next two decades.

Admission to the Program:

The LVN to ADN program admits students twice a year (Fall and Spring terms) by application only. In the event there are more qualified candidates than vacancies in the class, a computer lottery will select the individuals to be enrolled. Applicants that are not selected for enrollment must reapply if they wish to be considered for admission to a future program.

Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials.

Requirements for Application:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once)
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- Prerequisites: Must each be completed with a minimum C grade for each prior to application, and an overall GPA of 2.5 or higher
    - CMST 4, CMST 10, or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
    - Required Course: ANTH 4, SOC 2, or SOC 4 (select one). May be taken prior to or during the program.
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.

Requirements for Application beginning FALL 2026:

- Age 17 or older with a 12th grade education or equivalent.
- A minimum composite score of 62 on the latest version of the TEAS test (may be repeated once).
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- Prerequisites: Must each be completed with a minimum C grade prior to application, and an overall GPA of 2.5 or higher
    - CMST 4 or COMM C1000 (select one)
    - ENGL C1000 or ENGL C1000E (select one)
    - PSYC C1000
    - Biology Prerequisites: These three courses must be completed with combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses
        - BIOL 15 - Introduction to Microbiology
        - BIOL 20 - Human Anatomy
        - BIOL 21 - Human Physiology
    - Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.
- Advanced Placement exam credit will only be accepted for AP English Composition and/or AP Psychology. Official test scores must be submitted to Admissions & Records.

- Remaining general education courses may be in progress at the time of application but must be completed before program begins.

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.

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

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.
3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		30.00
NSG 61	Pharmacology	2.00
NSG 64	Transition to ADN Nursing I	1.00
NSG 65	Transition to ADN Nursing II	3.00
NSG 67	Complex Medical/Surgical Nursing III	4.00
NSG 68	Clinical Nursing III	5.00
NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 77	Complex Medical/Surgical Nursing IV	4.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00

Total: 30.00

Certificate of Achievement in Registered Nursing: LVN to ADN

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 20005.00CA

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.

Admission to the Program:

The LVN to ADN program admits students once a year by application only. Contact the Nursing Department or visit www.butte.edu/healthoccupations for application dates and materials.

Requirements for Admission to Program:

- Age 17 or older with a 12th grade education or equivalent.
- Current unencumbered California vocational nursing license.
- 16 units of college level nursing credit, including OB and Pediatrics, from a vocational or practical nursing program.
- IV Therapy competency (must verify IV certification through the BVNPT online license verification).
- Applicants that have failed more than once from any nursing program (LVN and/or RN) are ineligible to apply.
- BIOL 15 and BIOL 21 must be completed with a combined GPA of 2.5 or higher, minimum C grade for each, and no more than one repetition of any one of these courses.

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

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

1. Adhere to standards of professional practice, and practice within legal, ethical and regulatory frameworks.
2. Demonstrate effective verbal, non-verbal, and written communication using compassion and cultural awareness resulting in trusting relationships.

3. Provide comprehensive assessments with a holistic view of the client using the functional health assessment.
4. Demonstrate evidenced-based practice and the use of critical thinking based on the nursing process to provide the foundation for appropriate clinical decision making.
5. Adapt care when providing nursing interventions to assist the clients in achieving desired outcomes.
6. Develop individualized teaching plan based on assessed needs.
7. Demonstrate decision-making coordination with the client, significant support person(s), and members of the healthcare team.
8. Demonstrate effective management through gathering information, planning, and directing in collaboration with the health care team to assist the client to move toward positive outcomes in an efficient and cost effective manner.

Required courses:		29.00
BIOL 15	Introduction to Microbiology	4.00
BIOL 21	Human Physiology	4.00
NSG 64	Transition to ADN Nursing I	1.00
NSG 68	Clinical Nursing III	5.00
NSG 69	Gerontology/Community Based Nursing	2.00
NSG 74	Associate Degree Nursing Capstone	2.00
NSG 78	Clinical Nursing IV	5.00
NSG 79	Mental Health/Psychiatric Nursing	2.00
NSG 88	Med/Surg III (30 Unit Option)	2.00
NSG 89	Med/Surg IV (30 Unit Option)	2.00

Total: 29.00

Industrial Technologies & Agriculture

If you like working with your hands, solving mechanical challenges, or growing things from the ground up, the ITAG Community of Interest offers a wide range of options. This COI includes programs in welding, automotive technology, construction, heavy equipment, and sustainable agriculture. You'll gain the skills to build, repair, innovate, and thrive in vital industries across our region and beyond.

Agriculture, Environmental Horticulture & Natural Resources

Dept Chair Contact: Rick Wittsell - WM 105 - (530) 895-6194 - wittsellri@butte.edu

AS-T Degree in Agriculture Business

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 33579.31AS-T

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

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

1. Accumulate, record, and analyze agricultural financial statements.
2. Analyze specific markets to explain and predict changes in price and economic behavior.
3. Demonstrate core management principles and apply them to different working scenarios.
4. Apply core marketing principles to the unique structure of the agriculture sector.
5. Demonstrate effective verbal and written communication in an agricultural business environment.
6. Recognize consumer and producer responsiveness to changing market conditions.

Required courses:		23.00-24.00
AB 22	Agricultural Economics	3.00
AGS 50	General Soils	4.00
ECON 2	Principles of Macroeconomics	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

List A (Select three):		9.00-10.00
AB 15	Agricultural Communication and Sales	3.00
AB 25	Computer Applications in Agriculture	3.00

AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
Select one:		3.00-4.00
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	4.00

Total: 23.00-24.00

AS Degree in Agriculture Business

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01301.01AS

The Agriculture Business program provides the student with employable skills and provides a framework for further study if desired. Course work is practical and broad-based. Emphasis is placed on the development of skills in business management, marketing, finance, computers, human relations, and agricultural accounting. The computer labs, campus farm, and greenhouses provide an ideal setting for hands on learning. To gain practical experience on and off campus internships are available. Numerous area agriculture businesses provide opportunities for field trips, internships, and employment. Student clubs such as the Agriculture Ambassadors provide opportunities for leadership development and community service.

A career in Agriculture Business is both financially rewarding and personally challenging. For job seekers, it is probably the most readily available entry-level position in the agriculture industry. Numerous specialized companies throughout northern California require qualified persons for marketing, sales, finance, policy, government, farm ranch management, and international trade and development. For job entry and advancement, however, certain basic skills remain fundamental. These include proficiency in computers, record keeping, finance, management and marketing. The following is a list of possible agriculture business career opportunities: Bookkeeper, Business Manager, Business Owner, Commodity Broker, Community Development, Consultant, Equipment Dealer, Farm and Ranch Manager, International Development Specialist, Insurance Agent, Land Appraiser, Livestock buyer, Loan Officer, Management Specialist, Produce Buyer, Public Relations, Retail Sales and Sales Representative.

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

1. Accumulate, record, and analyze agricultural financial data.
2. Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
3. Make effective business decisions using a systematic, information-based approach.

Required courses:		29.00-30.00
AB 15	Agricultural Communication and Sales	3.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 51	Management Accounting for Agriculture	3.00
AB 54	Supervision and Management in Agriculture	3.00
AGS 50	General Soils	4.00
Select one:		3.00-4.00
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	4.00

Total: 29.00-30.00

Certificate of Achievement in Agriculture Business

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 19981.00CA

The Certificate of Achievement in Agriculture Business prepares students for entry level employment within the industry. Additionally, the certificate provides opportunities for skills enhancement for those with previous experience in agriculture business or those looking to supplement related degrees that benefit from a business focus. Upon completion of the Certificate of Achievement, students will have increased their knowledge of the agriculture industry while having gained experience with fundamental concepts of business management, economics and accounting and production practices as they relate to the agricultural industry.

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

1. Accumulate, record, and analyze agricultural financial data.
2. Analyze specific agricultural markets to explain and predict changes in price and economic behavior.
3. Make effective business decisions using a systematic, information-based approach.

Required courses:		25.00-26.00
AB 15	Agricultural Communication and Sales	3.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 51	Management Accounting for Agriculture	3.00
AB 54	Supervision and Management in Agriculture	3.00
Select one:		3.00-4.00
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	4.00

Total: 25.00-26.00

AS-T Degree in Agriculture Plant Science

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35061.31AS-T

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

During the next five years, U.S. college graduates will find good employment opportunities if they have expertise in food, agriculture, renewable natural resources, or the environment. An average of 35,400 new U.S. graduates with expertise in food, agriculture, renewable natural resources, or the environment are expected to fill 61% of the expected 57,900 average annual openings. Fewer graduates typically mean higher salaries, which start in the mid-$40k to $50k annually.

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

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

Required courses:		22.00-24.00
AGS 20	Plant Science	3.00
AGS 50	General Soils	4.00
Select one:		3.00
AB 22	Agricultural Economics	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		5.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List A (Select one):		3.00-5.00
AET 30	Tractors and Crawlers	3.00
CHEM 21	Organic Chemistry I	5.00

EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
EH 70	Plant Propagation and Nursery Practices	3.00

Total: 22.00-24.00

AS Degree in Agriculture Science

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01298.02AS

The Agriculture Science program offers an AS degree for those students interested in a more general course of study. Students with a background in production agriculture, 4-H or FFA will find success in this program as they pursue a career with an emphasis in agriculture sciences, agriculture education, and agribusiness occupations. California ranks first in the nation in annual gross agricultural returns. The livestock industry and over 250 specialty crops provide a variety of career choices. Trained personnel are employed on ranches and farms, as well as the vast agriculture service industry. Career opportunities also exist with governmental agencies. Every year there are several openings in Agriculture Education in California as well as other states.

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

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

Required courses:		43.00-44.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AB 22	Agricultural Economics	3.00
AB 25	Computer Applications in Agriculture	3.00
AB 26	Introduction to Agriculture Business	3.00
AB 50	Agricultural Accounting	3.00
AB 54	Supervision and Management in Agriculture	3.00
AET 30	Tractors and Crawlers	3.00
AET 34	Farm Machinery	3.00
AGS 20	Plant Science	3.00
AGS 50	General Soils	4.00
AGS 99	Work Experience-AGS	2.00
COMM C1000	Introduction to Public Speaking	3.00
Select one:		3.00
AGS 10	World Food and Hunger Issues	3.00
NR 26	Environmental World	3.00

Select two:		6.00-7.00
AET 26	Basic Surveying	3.00
AGS 30	Ecology of Insect and Disease Management	3.00
AGS 40	Introduction to Animal Science	4.00
AGS 45	Feeds and Feeding	3.00
AGS 75	Introduction to Agricultural Education	3.00

Total: 43.00-44.00

Certificate in Ecological Restoration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ECOLOGICALREST.CC

(Not Eligible for Financial Aid) The courses required for this certificate provide desired basic skills by the industry. Students who complete the requirements for this certificate will have the basic skills necessary for entry-level employment in the ecological restoration industry. Students taking these courses will have an enhanced ability in operating heavy equipment, management of recreational lands, surveying landscapes and utilizing GPS and GIS systems to create and read maps of work areas, and installation and maintenance of irrigation systems. Students may return and take the courses required for the certificate to stay current in their field or obtain promotions.

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

1. Identify the biologic and economic need for restoring and maintaining ecosystem health in California.
2. Demonstrate proper use of topographical maps, assessments, hand tools and equipment commonly used by ecological restorationists.
3. List and discuss wetland and upland habitat restoration techniques using native plants and various irrigation methods.
4. Examine and report the procedures required by law for the purpose of mitigating damage to the environment by industry.
5. Estimate cut and fill for a surveyed tract, operate wheel and track type tractors safely and properly, and perform operator level maintenance and adjustment of tractor systems.
6. Read and interpret basic irrigation designs and identify and troubleshoot irrigation problems with sprinklers, valves and controllers, then make the necessary repairs or replacements.

Required courses:		14.00
AET 26	Basic Surveying	3.00
EH 30	Irrigation Practices and Materials	3.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 60	Natural Resources Law	3.00
NR 70	Geospatial Data Applications	2.00

Total: 14.00

AS Degree in Environmental Horticulture

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 07258.00AS

The courses in environmental horticulture are designed to enable students to prepare for exciting careers in the essential and diverse horticulture profession or earn continuing education units (CEUs) for professional licenses. Career options include nursery and greenhouse management, retail garden centers, supply and equipment sales, commercial fruit and nut production, irrigation and landscape design, installation and maintenance, plant protection, interior landscaping, and ag education.

Students who complete this program can expect greater opportunities in salaries and enhances an individual's opportunity to advance into supervisory positions. A two- or four-year degree is a job requirement in some businesses and government agencies.

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

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

Required courses:		40.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AGS 20	Plant Science	3.00
AGS 50	General Soils	4.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 26	Landscape Planning and Design	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 72	Landscape Business Management	3.00
EH 74	Irrigation System Design	3.00
EH 99	Work Experience-EH	2.00
Select one:		3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
Select one:		3.00
EH 38	Greenhouse Production	3.00

EH 70	Plant Propagation and Nursery Practices	3.00
Select one:		3.00
AGS 30	Ecology of Insect and Disease Management	3.00
EH 60	Principles of Integrated Pest Management	3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00

Total: 40.00

Certificate of Achievement in Environmental Horticulture

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 07258.00CA

See AS Degree in Environmental Horticulture.

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

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

Required courses:		30.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AGS 20	Plant Science	3.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 38	Greenhouse Production	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
EH 72	Landscape Business Management	3.00
EH 99	Work Experience-EH	2.00
Select one:		3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00

Total: 30.00

Certificate in Forestry Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: FORESTRYTECH.CC

(Not Eligible for Financial Aid) The Forestry Technician certificate curriculum is designed to meet the demand for trained personnel in the fields of forestry and silviculture for multiple agencies and private timber companies.

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

1. Identify common tree and plant species in California and the western United States.
2. Utilize tools for forest mensuration.
3. Identify invasive weeds, pests and diseases common to trees and forests in California.
4. Perform work in a greenhouse for the propagation of trees for replanting after a harvest or fire.
5. Utilize GPS and GIS systems to create and read maps of work areas.

Required courses:		15.00
AGS 30	Ecology of Insect and Disease Management	3.00

EH 38	Greenhouse Production	3.00
EH 62	Weed Science and Invasive Plants	3.00
NR 12	Dendrology/Native Plant Identification	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00

Total: 15.00

Certificate of Achievement in Landscape/Turfgrass Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01302.00CA

This certificate prepares students for employment in the California horticulture and landscape contracting industries by providing practical, hands-on experience and preparation for employable technical skill training in the field of professional residential landscape design, development, and maintenance. This program is designed to give students basic skills in irrigation design, repair, installation, water management, and small equipment operation.

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

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

Required courses:		24.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 22	Landscape Construction	3.00
EH 26	Landscape Planning and Design	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 72	Landscape Business Management	3.00
EH 74	Irrigation System Design	3.00
Select one:		3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00

Total: 24.00

AS Degree in Natural Resources Management

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 07259.01AS

The Natural Resources program is designed to meet the demand for trained personnel in a broad range of Natural Resource/Environmental Science fields in addition to numerous private organizations.

Intense pressures are being placed on the nation's environmental resources as the population increases. This creates an ever-growing demand for trained people to work in forestry, recreation, water, soil, wildlife and other natural resource/environmental management areas. Career opportunities exist with the U.S. Forest Service, Bureau of Land Management, Bureau of Reclamation, California Department of Fish and Wildlife, National Park Service, and U.S. Soil Service as well as numerous private management firms, environmental companies, and land developers, to list a few job possibilities. Employment in any of these areas will provide an opportunity for working in one of the nation's most interesting, diversified and rapidly expanding fields. The work is varied. However, certain basic skills are fundamental.

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

1. Describe and apply the basic elements of the scientific method.
2. Identify basic environmental problems and describe how they affect the environmental's biotic and abiotic components.
3. Identify the main fish and game species located within the state and/or region of desired employment.
4. Evaluate the modern and historical roles of human impact on wildlife and wildlife management.

Required courses:	39.00

AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 30	Tractors and Crawlers	3.00
AGS 20	Plant Science	3.00
AGS 50	General Soils	4.00
NR 12	Dendrology/Native Plant Identification	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00
NR 26	Environmental World	3.00
NR 28	Environmental Management	3.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 55	Wildlife Management	3.00
NR 60	Natural Resources Law	3.00
NR 65	Recreational Land Management	3.00
NR 70	Geospatial Data Applications	2.00
NR 99	Work Experience-NR	2.00

Total: 39.00

Certificate of Achievement in Nursery Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 07257.01CA

This Nursery Technician certificate provides students with the practical, hands-on experience they need to pursue employment in the areas of plant production, maintenance, or sales of ornamental and/or food crops in California. This program prepares students to advance to management positions in greenhouse and nursery businesses that propagate, grow and market plants for use in the home, business or the landscape. The program provides a solid foundation in plant knowledge and nursery and garden center environments, as well as computer applications and management skills.

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

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

Required courses:		18.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 38	Greenhouse Production	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
Select one:		3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
Select one:		3.00
EH 26	Landscape Planning and Design	3.00
EH 60	Principles of Integrated Pest Management	3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00

Total: 18.00

Certificate in Parks and Recreation

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: PARKSANDREC.CC

(Not Eligible for Financial Aid) The courses for the certificate provide basic skills for the entry level position in park and recreational land management. Students taking these courses will have an enhanced ability in tree and tree pest species identification, operating maintenance and construction equipment, utilizing GPS and GIS systems to create and read maps of work areas, and managing land for recreational purposes. Students may return and take the courses required for the certificate to stay current in their field or obtain promotions.

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

1. Acquire and demonstrate background knowledge in outdoor recreation as it relates to career opportunities, educational requirements, qualifications and duties of field personnel.
2. Evaluate recreation facilities and resources, identifying maintenance requirements, potential hazards, traffic, and people flow.
3. Demonstrate manipulative skills related to hand tools, power equipment, and machines commonly used in recreational land management.
4. Examine and report the procedures required by law for the purpose of mitigating damage to the environment by outdoor recreational activities.
5. Compile information from GPS data, aerial and topographical maps to analyze and present spatial configurations of natural resources on recreational lands.

Required courses:		14.00
AET 22	Natural Resources and Agri-Construction	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00
NR 28	Environmental Management	3.00
NR 65	Recreational Land Management	3.00
NR 70	Geospatial Data Applications	2.00

Total: 14.00

Certificate of Achievement in Plant Protection

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 31512.00CA

This certificate prepares candidates for the California State Agricultural Pest Control Adviser (PCA) License examinations and Qualified Applicator License exams. It meets the minimum educational qualifications, and prepares students for exams in IPM principles, laws and regulations, pest identification, physical and biological sciences, crop health, pest management systems and methods, and production systems. Technical experience is highly encouraged through work experience placement.

PCAs have a rewarding career and earn a competitive salary. They have several career avenues to choose from such as state agencies, corporations, sole proprietary companies, and academic professions. There has never been a better time to enter the crop protection industry.

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

1. Safely and accurately use all equipment and products relating to the plant protection industry.
2. Demonstrate the most current methods and procedures in calibration of agriculture equipment.
3. Apply necessary health and safety rules from the Environmental Protection Agency and the California Department of Pesticide Regulation (DPR).
4. Demonstrate appropriate communications skills.
5. Demonstrate an orderly performance of all tasks and skills, establishing methodical habits from state DPR laws and regulations.

Required courses:		42.00
EH 60	Principles of Integrated Pest Management	3.00
Physical, Biological Science and Natural Sciences (Select 12 units):		12.00
AGS 20	Plant Science	3.00
BIOL 1	Introduction to Biology	4.00
BIOL 5	Ecology and Field Biology	4.00
BIOL 15	Introduction to Microbiology	4.00
BIOL 41	Cell and Molecular Biology	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
Crop Health (Select 9 units):		9.00
AGS 30	Ecology of Insect and Disease Management	3.00
AGS 50	General Soils	4.00
AGS 51	Fertilizers and Plant Nutrition	3.00
EH 30	Irrigation Practices and Materials	3.00
EH 74	Irrigation System Design	3.00

Pest Management (Select 3 units):		3.00
EH 61	Plant Protection Materials	3.00
EH 62	Weed Science and Invasive Plants	3.00

Production Systems (Select 6 units):		6.00
EH 20	Introduction to Environmental Horticulture	3.00
EH 23	Fall Plant Identification	3.00
EH 24	Spring Plant Identification	3.00
EH 28	Turfgrass Management and Equipment	3.00
EH 38	Greenhouse Production	3.00
EH 40	Wine Grape Cultivation	3.00
EH 41	Wine Growing Practices - Fall	3.00
EH 42	Wine Growing Practices - Spring	3.00
EH 66	Orchard Production and Management	3.00
EH 70	Plant Propagation and Nursery Practices	3.00
NR 20	Introduction to Forestry and Natural Resources	3.00

Select any 9 units Crop Health, Pest Management and Production Systems not used above	9.00

Total: 42.00

Certificate in Wildlife Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: WILDLIFETECH.CC

(Not Eligible for Financial Aid) The Wildlife Technician certificate is designed to meet the demand for trained personnel in the field of Wildlife and Fisheries Management for multiple agencies and private organizations. The courses for the certificate provide desired basic skills for the entry level position in wildlife area or refuge management. Students taking these courses will have an enhanced ability to identify wildlife and fish species, perform work on wildlife areas or habitat restoration sites, make decisions based on natural resource law, and utilize GPS and GIS systems to create and read maps of work areas. Students may return and take courses required for this certificate to stay current in their field or obtain promotions.

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

1. Identify major game and fish species in northern California.
2. Assist in the capture, study, and management of wildlife.
3. Perform maintenance, participate in research, and interact with the public on wildlife areas or refuges.
4. Locate and analyze the federal and state acts, statutes and regulations which protect endangered species and other wildlife.
5. Utilize GPS and GIS systems to create and read maps of work areas.

Required courses:		14.00
NR 40	Watershed Ecology and Habitat Restoration	3.00
NR 55	Wildlife Management	3.00
NR 60	Natural Resources Law	3.00
NR 70	Geospatial Data Applications	2.00
Select one:		3.00
AET 22	Natural Resources and Agri-Construction	3.00
EH 22	Landscape Construction	3.00

Total: 14.00

Automotive, Honda PACT & Diesel Technology

Dept Chair Contact: Craig Kielb - SC 115 - (530) 892-3013 - kielbcr@butte.edu

AS Degree in Automotive Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01323.01AS

The Butte College Automotive Technology program is an ASE Education Foundation certified school and is designed to prepare students for employment as automotive technicians in dealerships, government, fleet, and independent service shops. All automotive classes are offered at the Skyway Center in Chico. The Skyway Center is a modern facility and completely outfitted with ASE required training aids and tooling needed to prepare the student for a successful automotive technician career. The goal of the department is to train highly-skilled entry-level technicians with work habits that will make them successful in their career.

Automotive career opportunities are offered nationwide. Help with job placement is available for successful students. For career information please refer to our website: www.butte.edu/departments/careertech/automotive or contact the Automotive Department Chair.

Admission to the Program:
Due to high interest, this program may have limited enrollment through a waitlist. If you are interested in this program and would like to register or get on the program waitlist, please refer to our www.butte.edu/departments/careertech/automotive/

From our department home page follow the link "Get Started" and sign up for one of our Tours. Fill out the "Program Tour Sign-Up" form. Once the form is complete, click the "SEND FORM" button. You will be invited to our next program tour through an email. During the program tour, participants will receive information on how to join the program and the next steps involved.

If you have any further questions, please contact the Automotive Department Chair (see www.butte.edu/departments/careertech/automotive and click on "Instructors")

Prerequisite/Corequisite: Students will be required to have completed or be concurrently enrolled in AUT 101 or equivalent.

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

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

Required courses:		48.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00

Total: 48.00

Certificate of Achievement in Automotive Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01323.01CA

See AS Degree in Automotive Technology.

Admission to the Program:
See AS Degree in Automotive Technology

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

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

Required courses:		48.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00

AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00

Total: 48.00

AS Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT)

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 38066.01AS

The Associate of Science Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT) prepares students to enter the workforce as entry level Honda and Acura technicians in dealerships nationwide.

The Butte College Automotive Technology program is an ASE Education Foundation certified school and has partnered with American Honda to prepare students for employment as automotive technicians in Honda and Acura dealerships. All automotive classes are offered at the Skyway Center in Chico. The Skyway Center is a modern facility and completely outfitted with all Honda, Acura, and ASE required training aids and tooling needed to prepare the student for a successful automotive technician career. The goal of the department is to train highly-skilled entry-level technicians with work habits that will make them successful in their career.

After program completion, the student will also receive a nationally recognized certification from American Honda that indicates the completion of standardized curriculum delivered at all PACT schools across the nation.

Automotive career opportunities are offered nationwide along with paid internships for Honda PACT students. Help with job placement is available for successful students. For Career information please refer to our website: www.butte.edu/departments/careertech/automotive or contact the Automotive Department Chair

Admission to the Program:
Due to high interest, this program may have limited enrollment through a waitlist. If you are interested in this program and would like to register or get on the program waitlist, please refer to our website: www.butte.edu/departments/careertech/automotive/

From our department home page follow the link “Get Started” and sign up for one of our Tours. Fill out the “Program Tour Sign-Up” form. Once the form is complete, click the “SEND FORM” button. You will be invited to our next program tour through an email. During the program tour, participants will receive information on how to join the program and the next steps involved.

If you have any further questions, please contact the Automotive Department Chair (see www.butte.edu/departments/careertech/automotive and click on “Instructors”)

Prerequisite/Corequisite: Students will be required to have completed or be concurrently enrolled in AUT 101 or equivalent.

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

1. Explain the principles of operation and maintenance required to repair all systems of Honda and Acura automobiles.
2. Safely and correctly maintain, diagnose and repair specific areas of Honda and Acura automobiles.

Required courses:		53.50
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00

AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00
AUT 81	Honda PACT Employment Preparation I	2.00
AUT 82	Honda PACT Employment Preparation II	2.00
AUT 83	Honda PACT Skills Certification	1.50

Total: 53.50

Certificate of Achievement in Automotive Technology - Honda, Professional Automotive Career Training (PACT)

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37972.01CA

See AS Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT).

Admission to the Program:

See AS Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT).

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

1. Explain the principles of operation and maintenance required to repair all systems of Honda and Acura automobiles.
2. Safely and correctly maintain, diagnose and repair specific areas of Honda and Acura automobiles.

Required courses:		53.50
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 60	Hybrid and Alternative Fuel Technologies	2.00
AUT 81	Honda PACT Employment Preparation I	2.00
AUT 82	Honda PACT Employment Preparation II	2.00
AUT 83	Honda PACT Skills Certification	1.50

Total: 53.50

AS Degree in Diesel Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 38059.01AS

The Associate of Science Degree in Diesel Technology has been developed to provide the light and medium duty diesel industry with well-prepared, entry-level technicians. Our rural location and its heavy agricultural influence necessitate the need for technicians who are trained in the area of diesel powered trucks and equipment. This program will prepare the student to diagnose the mechanical, electrical, and hydraulic systems found on over the road diesel powered vehicles and equipment.

Upon successful completion of the Diesel Technology Program, students will enter the industry with their Section 609 Compliance Certification, making it possible to service refrigeration units. Along with the 609 Certification, students will also receive their Department of Transportation (D.O.T.) brake inspection certification.

A career as a Diesel Technician offers a higher starting and hourly mean wage than that of a light car and truck technicians (Bureau of Labor Statistics May 2016). With that, the areas that offer employment opportunities range from heavy equipment dealers/shops, fleet maintenance facilities, public and private, along with new car/truck dealers. This diversity offers a lot of flexibility regarding location. Employment can be found in urban areas as well as rural farming communities.

Help with job placement is available for successful students. For Career information please refer to our website: www.butte.edu/departments/careertech/automotive or contact the Automotive Department Chair.

Admission to the Program:
Due to high interest, this program may have limited enrollment through a waitlist. If you are interested in this program and would like to register or get on the program waitlist, please refer to our website: www.butte.edu/departments/careertech/automotive/

From our department home page follow the link "Get Started" and sign up for one of our Tours. Fill out the "Program Tour Sign-Up" form. Once the form is complete, click the "SEND FORM" button. You will be invited to our next program tour through an email. During the program tour, participants will receive information on how to join the program and the next steps involved.

If you have any further questions, please contact the Automotive Department Chair (see www.butte.edu/departments/careertech/automotive and click on "Instructors")

Prerequisite/Corequisite: Beginning in Fall 2024 students will be required to have completed or be concurrently enrolled in AUT 101 or equivalent.

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

1. Explain the operation of diesel engine components and systems.
2. Identify various diesel engine applications.
3. Apply the state and federal regulations of Occupational Safety and Health Association (OSHA) and the Environmental Protection Agency (EPA).
4. Apply general principles of preventive maintenance to diesel repair.
5. Demonstrate proficiency in the use of industry standard tools and precision measuring instruments.
6. Apply safe work habits and practices.
7. Troubleshoot and perform repairs on mechanical, electrical, hydraulic and electronic systems.
8. Use computers to diagnose equipment and research information
9. Perform preventative maintenance such as engine tune-ups, front-end alignments, and brake adjustments.
10. Operate shop machinery and equipment including hoists, hydraulic jacks, steam cleaners, floor jacks, disassembly stands, grinders, drill presses, hydraulic presses, and bead blasters.
11. Select and use precision tools such as torque wrenches, micrometers, dial indicators, tap and dies, and bore gauges.
12. Maintain professional attitude in challenging working conditions.

Required courses:		56.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 73	Diesel Industry Technologies Lecture	3.00
AUT 74	Diesel Industry Technologies Lab	3.00
WLD 20	Beginning Welding	4.00

Total: 56.00

Certificate of Achievement in Diesel Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37941.01CA

See AS Degree in Diesel Technology.

Admission to the Program:
See AS Degree in Diesel Technology.

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

1. Explain the operation of diesel engine components and systems.
2. Identify various diesel engine applications.
3. Apply the state and federal regulations of Occupational Safety and Health Association (OSHA) and the Environmental Protection Agency (EPA).
4. Apply general principles of preventive maintenance to diesel repair.
5. Demonstrate proficiency in the use of industry standard tools and precision measuring instruments.
6. Apply safe work habits and practices.
7. Troubleshoot and perform repairs on mechanical, electrical, hydraulic and electronic systems.
8. Use computers to diagnose equipment and research information
9. Perform preventative maintenance such as engine tune-ups, front-end alignments, and brake adjustments.
10. Operate shop machinery and equipment including hoists, hydraulic jacks, steam cleaners, floor jacks, disassembly stands, grinders, drill presses, hydraulic presses, and bead blasters.
11. Select and use precision tools such as torque wrenches, micrometers, dial indicators, tap and dies, and bore gauges.
12. Maintain professional attitude in challenging working conditions
13. Develop self-confidence and pride in workmanship.
14. Think analytically and make professional decisions

Required courses:		56.00
AUT 3	Specialized Automotive Electronics	6.00
AUT 6	Automotive Electrical Systems Lecture	2.00
AUT 7	Automotive Electrical Systems Lab	2.00
AUT 8	Auto Engines Lecture	3.00
AUT 9	Automotive Engines Lab	3.00
AUT 20	Automotive Brakes/Suspension and Steering Systems Lecture	3.00
AUT 21	Automotive Brakes/Suspension and Steering Systems Lab	3.00
AUT 22	Automotive Heating and Air Conditioning Lecture	2.00
AUT 23	Automotive Heating and Air Conditioning Lab	2.00
AUT 30	Gas/Diesel Engine Performance Lecture	5.00
AUT 31	Gas/Diesel Engine Performance Lab	5.00
AUT 52	Automatic Transmissions/Transaxles Lecture	3.00
AUT 53	Automatic Transmissions/Transaxles Lab	3.00
AUT 56	Manual Transmissions/Drivetrains Lecture	2.00
AUT 57	Manual Transmissions/Drivetrains Lab	2.00
AUT 73	Diesel Industry Technologies Lecture	3.00
AUT 74	Diesel Industry Technologies Lab	3.00
WLD 20	Beginning Welding	4.00

Total: 56.00

Industrial Technologies

Dept Chair Contact: Tom Williams - WM 105 - (530) 895-2496 - williamsth@butte.edu

Certificate in 3D Mechanical Applications

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 3DMECHAPPS.CC

(Not Eligible for Financial Aid) The Certificate in 3D Mechanical Applications covers 3D modeling applications and mechanical print reading. Upon completion, the student will be able to model and assemble models in 3D space, document the models in print format, and be able to correctly interpret documentation in a mechanical and manufacturing environment.

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

1. Use a solid modeling application like Solid Works or Autodesk Inventor to develop parts, assemblies and output annotated drawings.
2. Interpret and differentiate technical information provided on a manufacturing or fabrication print, including dimensions, tolerances, and specifications and other precision detail.
3. Explain and demonstrate the use of added tools for 3D modeling including simulation, conversion from CAD (computer aided drafting) and specialty tools like sheet metal development, weldment development as well as animation and motion.

Required courses:		9.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
DFT 16	Print Reading for Industry and Manufacturing	3.00

Total: 9.00

AS Degree in Advanced Manufacturing

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 38056.00AS

The Associate of Science Degree in Advanced Manufacturing program will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3.5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute. This program has a prerequisite of ITEC 55.

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

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		62.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship with Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship with Local Trade Company	4.00

Total: 62.00

Certificate of Achievement in Advanced Manufacturing

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37939.00CA

See AS Degree in Advanced Manufacturing.

This program has a prerequisite of ITEC 55.

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

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.
8. Practice safety skills required on job sites.

Required courses:		62.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship with Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship with Local Trade Company	4.00

Total: 62.00

Certificate of Achievement in Advanced Manufacturing Level I

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 39882.00CA

The Certificate of Achievement in Advanced Manufacturing Level I covers the basic principles of the introduction to manufacturing equipment, production welding, finishing, and modeling to production. Basic safety principles, as well as the introduction to trade Licensure and manufacturing guidelines used in the industry. It will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

For skilled individuals employment opportunities are virtually unlimited. Manufacturing jobs are open in both heavy and light industries throughout California as well as the nation and the world. The United States faces a need for nearly 3.5 million manufacturing jobs over the next decade, and 2 million of those jobs are likely to go unfilled due to a skills gap, according to new research from Deloitte and the Manufacturing Institute.

This program has a prerequisite of ITEC 55.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.

Required courses:		17.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00

MFG 16	Introduction to the Process of Modeling to Production	3.00

Total: 17.00

Certificate of Achievement in Advanced Manufacturing Level II

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 39884.00CA

The Certificate of Achievement in Advanced Manufacturing Level II covers the principles, setup and operations of manufacturing equipment, production welding, finishing, and modeling to production. Basic safety principles, as well as trade licensure preparation and manufacturing guidelines used in the industry. It will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Use various software tools used in CNC manufacturing equipment and product design.
4. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.

Required courses:		17.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00

Total: 17.00

Certificate in Advanced Manufacturing III

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ADVMFGLEVELIII.CC

(Not Eligible for Financial Aid) This certificate in Advanced Manufacturing Level III covers the introduction and principles of ERP software for manufacturing, introduction to robotic welding, 3D modeling to production, and an internship with local trade company. Safety principles are always practiced, as well as trade licensure preparation and manufacturing guidelines used in the industry.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
4. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.

Required courses:		14.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship with Local Trade Company	4.00

Total: 14.00

Certificate in Advanced Manufacturing Level IV

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ADVMFGLEVELIV.CC

(Not Eligible for Financial Aid) This certificate in Advanced Manufacturing Level IV covers the advanced principles of ERP software for manufacturing, robotic welding, 3D modeling to production, and an internship with local trade company. Safety principles are always practiced, as well as testing for trade licensure and manufacturing guidelines used in the industry.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
4. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques

Required courses:		14.00
MFG 40	Advanced ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship with Local Trade Company	4.00

Total: 14.00

Certificate of Achievement in Applied Construction

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37967.00CA

The Certificate of Achievement in Applied Construction is designed to prepare students to meet entry-level requirements for skilled jobs in the construction industry covering a broad range of skills from foundation to finish.

In 2018, our more immediate area was struck by the Camp Wildfire, which destroyed over 15,000 structures. Our local industry partners anticipate significant additional need for skilled labor as we recover from this unprecedented event.

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

1. Practice industry standards for safety used in construction environments.
2. Interpret technical drawings and schematics for use in construction applications.
3. Employ the techniques and materials used in common construction projects.
4. Demonstrate the techniques used in foundation and wall layout.
5. Manage and maintain the mechanical and electrical systems used in construction projects.
6. Demonstrate the proper technique employed in the operation of various hand and power tools.

Required courses:		29.00
CNST 5	Plans, Specifications, & Surveying	3.00
CNST 10	Properties and Applications of Concrete	4.00
CNST 15	Materials and Methods of Construction	3.00
CNST 20	Foundations and Concrete Structures	3.00
CNST 25	Construction Framing	4.00
CNST 30	Interior and Exterior Finishes	4.00
CNST 35	Electrical and Mechanical Systems	3.00
CNST 40	Construction Cost Estimating I	3.00
ITEC 55	Introduction to Industrial Trades	2.00

Total: 29.00

Certificate in Architectural Drafting & Modeling

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: ARCHDRAFTMODEL.CC

(Not Eligible for Financial Aid) The Certificate in Architectural Drafting and Modeling covers 2D and 3D drafting and modeling techniques. Upon completion, the student will be able to model in 2D and 3D space, provide documentation, and interpret documentation in an Architectural environment.

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

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

Required courses:		12.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00

Total: 12.00

Certificate of Achievement in Commercial HVACR

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37940.00CA

The Certificate of Achievement in Commercial HVACR program will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

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

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		33.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship with Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship with Local Trade Company	8.00

Total: 33.00

AS Degree in Construction Management

About the Program

Program Goal: Career
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 38057.00AS

The Associate of Science Degree in Construction Management prepares students to transfer into a bachelor's degree program in the junior year of a 4 year program. With the completion of this degree, students will possess fundamental knowledge and skills required in the field of construction management which include planning, coordinating, budgeting and supervising construction projects from start to finish in a growing nationwide field. Our neighboring 4-year institution (CSU Chico) has a thriving and mature Construction Management program that we have modeled our curriculum on to optimize the transferability of credits.

The nationwide market for construction is in desperate need of skilled labor over the spectrum of construction roles required in a diverse and thriving economy (Construction and Construction Management is one of the most rapidly growing labor markets in the US). In 2018, our more immediate area was struck by the Camp Wildfire, which destroyed over 15,000 structures. Our local industry partners anticipate significant additional need for skilled labor as we recover from this unprecedented event.

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

1. Identify and describe the different subfields within the construction industry and how they relate to each other.
2. Interpret technical drawings and schematics for use in cost estimation, scheduling, and construction applications.
3. Apply physical science techniques to understand the fundamental properties of mechanical and electrical systems.
4. Manage and maintain the mechanical and electrical systems used in construction projects.
5. Employ accounting principles as they relate to construction planning and business maintenance.

Required courses:		46.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BUS 8	Introduction to Business Law	3.00
CNST 1	Introduction to Construction	3.00
CNST 15	Materials and Methods of Construction	3.00
CNST 21	Analysis of Construction Drawings and Specifications	3.00
CNST 35	Electrical and Mechanical Systems	3.00
CNST 45	Construction Graphics	3.00
CNST 55	Computer Applications in Construction Management	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		5.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		4.00
PHYS 21	College Physics I	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00

Total: 46.00

Certificate of Achievement in Construction Management

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37944.00CA

See AS Degree in Construction Management.

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

1. Identify and describe the different sub fields within the construction industry and how they relate to each other.
2. Interpret technical drawings and schematics for use in cost estimation, scheduling, and construction applications.
3. Apply physical science techniques to understand the fundamental properties of mechanical and electrical systems.

4. Manage and maintain the mechanical and electrical systems used in construction projects.
5. Employ accounting principles as they relate to construction planning and business maintenance.

Required courses:		46.00
ACCT 2	Financial Accounting	4.00
ACCT 4	Managerial Accounting	4.00
BUS 8	Introduction to Business Law	3.00
CNST 1	Introduction to Construction	3.00
CNST 15	Materials and Methods of Construction	3.00
CNST 21	Analysis of Construction Drawings and Specifications	3.00
CNST 35	Electrical and Mechanical Systems	3.00
CNST 45	Construction Graphics	3.00
CNST 55	Computer Applications in Construction Management	3.00
ECON 4	Principles of Microeconomics	3.00
Select one:		5.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		4.00
PHYS 21	College Physics I	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00

Total: 46.00

AS Degree in Drafting and CAD Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01324.00AS

The Drafting and CAD Technology program is designed to prepare students to meet the drafting requirements of industry. The diversity of the program allows students to pursue a career with a variety of companies that employ drafters. The program can be arranged to earn either a Certificate of Achievement or an AS degree.

In CAD and solids modeling, students will discover real-world connections for their interests in math and science, and through hands-on activities improve their skills and become more confident. A year or more of high school drafting is very beneficial. Students need to be neat, methodical, and have an aptitude for spatial thinking. Students who are still enrolled in high school and who are considering a career as a drafter are encouraged to take courses in trigonometry, physical science, and computer science.

Students who complete this program will be able to prepare drawings for individuals and companies in the architectural, civil engineering, construction, and manufacturing technology fields. Students will gain extensive experience using computer aided drafting (CAD) techniques. Students will also have experience reading construction drawings and interpreting specifications.

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

1. Describe the role of technical graphics in the engineering design process.
2. Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
3. Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
4. Produce a comprehensive project, 3D model, or set of drawings including specifications from a broad instruction set to an industry-based expectation for completeness and correctness.

Required courses:		30.00
CSCI 2	Business and Computer Information Systems	3.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00
DFT 46	Building Information Modeling II - Advanced Applications	3.00
MATH 20	Trigonometry	3.00

Select one:		3.00
AET 26	Basic Surveying	3.00
ENGR 3	Plane Surveying I	3.00

Select one:		3.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 16	Print Reading for Industry and Manufacturing	3.00

Total: 30.00

Certificate of Achievement in Drafting and CAD Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01324.00CA

See AS Degree in Drafting and CAD Technology.

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

1. Describe the role of technical graphics in the engineering design process and in the architectural design process.
2. Produce dimensioned technical drawings using various techniques including computer-aided drafting (CAD), 3D modeling, and freehand sketching.
3. Read and interpret the information provided by technical drawings in architectural, engineering, construction, and manufacturing applications.
4. Produce a project, architecture-based model from a given instruction set to an industry-based expectation for completeness and correctness.

Required courses:		21.00
DFT 2	Engineering Graphics I	3.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
DFT 45	Building Information Modeling I	3.00
DFT 46	Building Information Modeling II - Advanced Applications	3.00
MATH 20	Trigonometry	3.00

Total: 21.00

Certificate of Achievement in Heavy Equipment Operator Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 07260.00CA

The Heavy Equipment Operator Technician program can be obtained in one year. It is an exciting, hands-on approach is used to introduce students to a wide range of skills for classroom laboratory work to closely reflect field experiences. Construction equipment operation requires good hand-eye coordination and demands attention to details like timelines, precision driving, coordination of multiple operations, and following plan directions. Development of problem solving skills and safe and cooperative work habits is emphasized. Students who successfully complete the program requirements will have the operation, repair and diagnostic skills necessary to obtain entry-level employment. Each year, the demand for qualified operators and maintenance technicians increases. Our partners include Operating Engineers Local 3, Caltrans, CDF, local and statewide contractors, and agricultural companies. Most jobs are obtained with smaller contractors. Jobs are also available in production, agriculture, land leveling, orchard removal, and with other agricultural employers.

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

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

Required courses:		31.00
AB 20	Careers in Agriculture, Environmental Science and Natural Resources	1.00
AET 26	Basic Surveying	3.00

AET 30	Tractors and Crawlers	3.00
AET 34	Farm Machinery	3.00
AET 35	Heavy Equipment Methods	3.00
AET 36	Heavy Equipment Operation	6.00
AET 38	Diesel Engines and Machine Systems	4.00
AET 43	Hydraulic and Pneumatic Systems	2.00
AET 44	Grade Setting	2.00
WLD 20	Beginning Welding	4.00

Total: 31.00

AS Degree in HVACR

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 38058.00AS

The Associate of Science Degree in HVACR will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

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

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		59.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship with Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship with Local Trade Company	8.00
ITEC 55	Introduction to Industrial Trades	2.00

Total: 59.00

Certificate of Achievement in HVACR

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37852.00CA

See AS Degree in HVACR.

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

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.
7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills

Required courses:		59.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship with Local Trade Company	7.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship with Local Trade Company	8.00
ITEC 55	Introduction to Industrial Trades	2.00

Total: 59.00

Certificate in HVACR Level I

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: HVACRLEVELI.CC

(Not Eligible for Financial Aid) This certificate in HVACR Level I covers the basic principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed. Basic safety principles, as well as trade licensure and EPA guidelines, are also introduced

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Explain the basic principles of conditioning air on a large scale for facilities.

Required courses:		14.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
ITEC 55	Introduction to Industrial Trades	2.00

Total: 14.00

Certificate in HVACR Level II

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: HVACRLEVELII.CC

(Not Eligible for Financial Aid) This certificate in HVACR Level II covers Commercial Airside Systems, Chimneys, Vents, and Flues, Introduction to Hydronic Systems, Air Quality Equipment, Leak Detection, Evacuation, Recovery, and Charging, Alternating Current, Basic Electronics, Introduction to Control Circuit Troubleshooting, Troubleshooting Gas Heating, Troubleshooting Cooling, Heat Pumps, Basic Installation and Maintenance Practices, Sheet Metal Duct Systems, and Fiberglass and Flexible Duct Systems.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Manage and maintain the mechanical and electrical systems used in HVACR equipment.

Required courses:		12.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00

Total: 12.00

Certificate of Achievement in HVACR Level III

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 39883.00CA

The Certificate of Achievement in HVACR Level III overs key concepts: Fasteners, Hardware and Wiring Terminations, Control Circuit and Motor Troubleshooting, Troubleshooting Cooling, Troubleshooting Heat Pumps, Troubleshooting Gas Heating, Troubleshooting Oil Heating, Troubleshooting Accessories, Zoning, Ductless, and Variable Refrigerant Flow Systems, Commercial Hydronic Systems, Steam Systems, Retail Refrigeration Systems, and Customer Relations. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Perform Manual J load calculations and Air Distribution design and installation best practices.
4. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		16.00
HVAC 31	Advanced HVACR Components	4.00
HVAC 32	Advanced HVACR Service	5.00
HVAC 33	Internship with Local Trade Company	7.00

Total: 16.00

Certificate of Achievement in HVACR Level IV

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 39885.00CA

The Certificate of Achievement in HVACR Level IV covers key concepts: Water Treatment, Indoor Air Quality, Energy Conservation Equipment, Building Management Systems, System Air Balancing, Construction Drawings and Specifications, Heating and Cooling System Design, Commercial and Industrial Refrigeration Systems, Alternative and Specialized Heating and Cooling Systems, and Fundamentals of Crew Leadership. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an AS degree in HVACR.

The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems. The Certificate of Achievement in HVACR Level IV covers key concepts: Water Treatment, Indoor Air Quality, Energy Conservation Equipment, Building Management Systems, System Air Balancing, Construction Drawings and Specifications, Heating and Cooling System Design, Commercial and Industrial Refrigeration Systems, Alternative and Specialized Heating and Cooling Systems, and Fundamentals of Crew Leadership. It will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce

students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems.

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

1. Practice safety skills required on job sites.
2. Apply precision measurement strategies and unit conversion skills.
3. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
4. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		17.00
HVAC 41	Advanced HVACR Systems	4.00
HVAC 42	Advanced HVACR Design	5.00
HVAC 43	Advanced Internship with Local Trade Company	8.00

Total: 17.00

Certificate of Achievement in Manufacturing Operations

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37945.00CA

The Certificate of Achievement in Manufacturing Operations will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the Manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as more a comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute in the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experiences with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing. The program has a prerequisite of ITEC 55.

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

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		34.00
MFG 10	Introduction to Manufacturing Equipment	8.00
MFG 12	Introduction to Production Welding	3.00
MFG 14	Introduction to Finishing	3.00
MFG 16	Introduction to the Process of Modeling to Production	3.00
MFG 20	Manufacturing Equipment	8.00
MFG 22	Production Welding	3.00
MFG 24	Finishing	3.00
MFG 26	Intermediate Modeling to Production	3.00

Total: 34.00

AS Degree in Mechanized Agriculture

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01305.00AS

The Mechanized Agriculture program offers students an option to earn either a one-year Certificate of Achievement or an AS degree. An exciting, hands-on approach introduces students to a wide range of mechanical skills dealing with the operation, maintenance and repair of small to midsize gasoline, diesel and electrically operated equipment. Problem solving, emphasizing safe and cooperative work habits, is encouraged. Success in this program will be enhanced by high school work in shop and basic skills classes. Wherever power equipment is operated, maintained or repaired,

there exists a need for well-trained employees. Production agriculture and its equipment suppliers, the rental industry, landscape businesses, recreation and construction industries are just a few of the employment possibilities.

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

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

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

Total: 41.00

Certificate of Achievement in Mechanized Agriculture

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01305.00CA

See AS Degree in Mechanized Agriculture.

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

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

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

Total: 26.00

Certificate of Achievement in Production Management

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37942.00CA

The Certificate of Achievement in Production Management will provide diverse experiential learning opportunities within a progressive curriculum, using advanced technology, industry cooperation, and alumni support to prepare students for productive futures in the manufacturing industry. This program will present a range of opportunities for students to earn small industry-recognized certificates as well as a more comprehensive Certificate of Achievement in Advanced Manufacturing. Students will additionally have the opportunity to earn an A.S. Degree which is designed to prepare students to contribute to the manufacturing process from design to finish in a managerial capacity. This will be accomplished with training that employs industry tours, internships and hands-on experience with manual, semi-automatic, and CNC equipment operations that models industry principles and practices during the process of advanced manufacturing. The program has a prerequisite of ITEC 55.

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

1. Practice safety skills required on job sites.
2. Use various software tools used in CNC manufacturing equipment and product design.
3. Explain the basic principles of feed and speed settings on various manufacturing platforms.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and manufacturing applications.
6. Manage and maintain the mechanical and electrical systems used in manufacturing equipment.
7. Employ Enterprise Resource Planning (ERP) software that enables manufacturers to perform cost/benefit analysis of various manufacturing techniques.

Required courses:		28.00
MFG 30	ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 32	Introduction to Robotic Welding	4.00
MFG 34	3D Modeling to Production	3.00
MFG 36	Internship with Local Trade Company	4.00
MFG 40	Advanced ERP (Enterprise Resource Planning) Software for Manufacturing	3.00
MFG 42	Advanced Robotic Welding	4.00
MFG 44	Advanced 3D Modeling to Production	3.00
MFG 46	Advanced Internship with Local Trade Company	4.00

Total: 28.00

Certificate of Achievement in Residential HVACR

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 37943.00CA

The Certificate of Achievement in Residential HVACR will serve our community by providing diverse experiential learning opportunities in a progressive curriculum, using modern technology, industry cooperation, and alumni support to prepare students for a productive future in the HVACR Industry. This program is designed for students to earn small industry recognized certificates, NATE certifications, a certificate of achievement, and an A.S. degree in HVACR. The curriculum is designed to produce students with internships and hands-on experiences with industry-aligned skills to install, commission, operate, and maintain residential, commercial, and industrial Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) systems.

For skilled individuals employment opportunities are virtually unlimited. HVACR jobs are open in both residential and commercial industries throughout California as well as the nation and the world. There is also increased pressure throughout the skilled labor sectors due to the retirement of baby boomers. As of 2015, the industry was an $81.1 billion market, It's expected to grow by 5.5% each year through 2020. Refrigeration is expected to be a major player in this growth. In addition, we are now in a period of booming construction with people increasingly requiring facilities where they can work, live, and play comfortably in diverse climates.

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

1. Practice safety skills required on job sites.
2. Perform Manual J load calculations and Air Distribution design and installation best practices.
3. Explain the basic principles of conditioning air on a large scale for facilities.
4. Apply precision measurement strategies and unit conversion skills.
5. Interpret technical drawings and schematics for use in cost estimation, scheduling, and installation applications.
6. Manage and maintain the mechanical and electrical systems used in HVACR equipment.

7. Explain how to incorporate leadership skills into work habits, including communications, motivation, team-building, problem-solving, and decision-making skills.

Required courses:		26.00
HVAC 11	Introduction to HVACR	4.00
HVAC 12	Basic HVACR Systems	4.00
HVAC 13	Trade Electricity	4.00
HVAC 21	Introduction to the Refrigerant System	4.00
HVAC 22	Intermediate HVACR Components	4.00
HVAC 23	Intermediate HVACR Concepts	4.00
ITEC 55	Introduction to Industrial Trades	2.00

Total: 26.00

Welding Technology

Dept Chair Contact: Chris Armitage - WM 122 - (530) 895-2911 - armitagech@butte.edu

Certificate in PowerPathway Gas Pipeline Welding

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: POWERPATHWAY.CC

(Not Eligible for Financial Aid) This program enhances the abilities of the students preparing for a career in the power generation and petrochemical pipe and tube welding industry by teaching them the skills that are needed for the industry. Students who have completed the Welding Technology Program and have been working in industry for a few years are coming back to take this program for career advancement and some are using this course as a method of continuing their education and advance their welding skills. The PowerPathway specifically trains welders for potential apprentice welding positions within Pacific Gas and Electric. Successful completion of the Welding program is a prerequisite for this certificate.

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

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

Required courses:		7.00
WLD 55	Power Generation and Petroleum Chemical Pipe & Tube Welding	5.00
WLD 158	Shop Practices for Pipe and Tube Welders	1.00
WLD 162	Pipe and Tube Welding Certification Practices	1.00

Total: 7.00

AS Degree in Welding Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01325.00AS

The Welding Technology program is designed to prepare students to become certified welders under standards set by the American Welding Society, American Society of Mechanical Engineers and American Petroleum Institute. Certification examinations may be taken after completion of the courses. To be successful in this program, students need basic competence in mathematics, must possess good eyesight at least with corrective lenses, sufficient physical stamina to be able to stand and bend for long periods, and not to be bothered by extended exposure to the outdoors. Students who are still enrolled in high school and who are considering a career as an industrial welder are encouraged to take courses in mathematics, industrial education, and welding. Courses in physical sciences and physics would enhance a student's knowledge and broaden one's experiences. The objective of this program is to teach students to read and follow blueprints and plans, lay out jobs to be done, cut and bend materials, operate an oxy-acetylene torch, shielded metal arc, flux core arc, and do mig and tig welding, and certify in the above processes. For certified welders employment opportunities are virtually unlimited. High-paying jobs are open in both heavy and light industry throughout California as well as the nation and the world. As far as can be seen in the future, the job market for certified welders will be excellent.

After completion of the program, students will be prepared to take the Welder Certification test. Students who complete the program can also 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.

Admission to the Program:
The prerequisites to the Welding Technology program are completion of WLD 20 and WLD 21. The program is currently impacted. Contact the Department to start the process and paperwork that is required for this program. 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.

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

1. Setup and safely operate welding equipment.
2. Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
3. Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

Required courses:		54.00
AB 54	Supervision and Management in Agriculture	3.00
BUS 25	Introduction to Entrepreneurship	3.00
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 25	Fabrication Practicums	2.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
WLD 28	Mig and Tig Arc Welding	3.00
WLD 30	Heavy Plate Welding	3.00
WLD 32	Integrated Welding Applications	3.00
WLD 34	Pipe and Tube Welding	4.00
WLD 36	Welder Qualification	3.00
WLD 40	Welding Equipment Maintenance and Service	2.00
WLD 42	Introduction to Welding Inspection	2.00
WLD 50	Pipe Fitting and Cutting	2.00
WLD 56	Welding Industry Employment Preparation	3.00
WLD 99	Work Experience-WLD	2.00
WLD 154	Shop Practices for Welders I	1.00
WLD 156	Shop Practices for Welders II	1.00
WLD 160	Welding Certification Practices	1.00
Select one:		3.00
BCIS 18	Introduction to Business Technology	3.00
CSCI 2	Business and Computer Information Systems	3.00

Total: 54.00

Certificate of Achievement in Welding Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01325.00CA

See AS Degree in Welding Technology.

Admission to the Program:
See AS Degree in Welding Technology. Program prerequisites: WLD 20 and WLD 21

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

1. Setup and safely operate welding equipment.
2. Demonstrate the skill set necessary to qualify for an unlimited position welding qualification meeting AWS standards.
3. Demonstrate effective oral and written communication in a variety of situations, utilizing proper welding terminology and acronyms.

Required courses:		43.00
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 25	Fabrication Practicums	2.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
WLD 28	Mig and Tig Arc Welding	3.00
WLD 30	Heavy Plate Welding	3.00
WLD 32	Integrated Welding Applications	3.00

WLD 34	Pipe and Tube Welding	4.00
WLD 36	Welder Qualification	3.00
WLD 40	Welding Equipment Maintenance and Service	2.00
WLD 42	Introduction to Welding Inspection	2.00
WLD 50	Pipe Fitting and Cutting	2.00
WLD 56	Welding Industry Employment Preparation	3.00
WLD 154	Shop Practices for Welders I	1.00
WLD 156	Shop Practices for Welders II	1.00
WLD 160	Welding Certification Practices	1.00

Total: 43.00

Certificate in Welding Technology Level I

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: WELDINGLEVELI.CC

(Not Eligible for Financial Aid) This program enhances the abilities of the students preparing for a career in welding technology by giving them: Welding Safety, Oxyfuel Cutting, Plasma Arc Cutting, Air Carbon Arc Cutting and Gouging, Base Metal Preparation, Weld Quality, SMAW Equipment and Safety, Shielded Metal Arc Electrodes, SMAW Beads and Fillet Welds, Joint Fit-Up and Alignment, SMAW Groove Welds and Backing, and SMAW Open V-Groove Welds. Welding is a high-tech industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers.

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

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

Required courses:		9.00
WLD 20	Beginning Welding	4.00
WLD 21	Intermediate Welding	4.00
WLD 152	Shop Practices for Intermediate Welders	1.00

Total: 9.00

Certificate in Welding Technology Level II

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: WELDINGLEVELII.CC

(Not Eligible for Financial Aid) This program enhances the abilities of the students preparing for a career in welding technology by giving them: Welding Symbols, Reading Welding Detail Drawings, Physical Characteristics and Mechanical Properties of Metals, Preheating and Postheating of Metals, GMAW and FCAW Equipment and Filler Metals, GMAW and FCAW Plate, GTAW Equipment and Filler Metal, and GTAW Plate. Welding is a high-tech industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers. This certificate will be earned by the student through the completion of the first semester of welding course.

Admission to the Program
Completion of Certificate in Welding Level I

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

1. Setup and safely operate welding equipment.
2. Demonstrate proper use of the OAW and SMAW processes in all positions.
3. Demonstrate proper base metal, beads and fillet welds qualification procedures per requirements set by the AWS.
4. Interpret welding symbols on a variety of layouts and working drawings.

Required courses:		14.00
WLD 22	Oxyacetylene Welding and Flame Cutting	2.00
WLD 24	Shielded Metal Arc Welding (Stick Electrode)	8.00
WLD 26	Symbol Reading, Blue Print Interpretation and Computations	3.00
WLD 154	Shop Practices for Welders I	1.00

Total: 14.00

Science, Technology, Engineering & Mathematics

The STEM Community of Interest is where curiosity meets innovation. Students explore the foundations of science and math, develop new technologies, and solve real-world problems. With programs ranging from biology and chemistry to computer science and engineering, STEM at Butte College offers strong academic preparation and hands-on experience for students pursuing both transfer pathways and technical careers.

Biology

Dept Chair Contact: Kelly Wood - SCI 144 - (530) 895-2580 - woodke@butte.edu

AS-T Degree in Biology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35022.30AS-T

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

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

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

Required courses:		38.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 42	Organismal Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one group:		8.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
OR		
PHYS 41	Physics for Scientists and Engineers I	4.00
OR		
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 38.00

AS Degree in Biological Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC

Program Code: 01306.00AS

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

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

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

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

Required courses:		25.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 42	Organismal Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00

The following courses articulate with CSU, Chico's Biological Sciences major, but are not required for the AS Degree in Biological Science at Butte College:		
CHEM 21	Organic Chemistry I	5.00
MATH 13	Survey of Calculus	4.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00

Total: 25.00

AS Degree in Health Occupations Preparation

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44131.00AS

An Associate of Science in Health Occupations Preparation degree readies students for programs such as licensed vocational nursing, registered nursing, and respiratory therapy at Butte College. This degree also prepares students to transfer to healthcare related programs at neighboring community colleges and/or four-year institutions to continue studies in their area of interest. Students should consult with a counselor for more information on varied requirements for specific pathways.

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

1. Apply principles of anatomy and physiology to describe maintenance of homeostasis at the cellular and systemic level.
2. Critically analyze and interpret data as it relates to physiological and diagnostic applications.
3. Apply principles of anatomy, physiology, and microbiology to describe the pathophysiology of human diseases.
4. Explain pharmaceutical drug actions based on knowledge of chemical and physiological mechanisms.
5. Express knowledge of current scientific and social issues affecting health care systems.

Required courses:		33.00
BIOL 15	Introduction to Microbiology	4.00
BIOL 20	Human Anatomy	4.00
BIOL 21	Human Physiology	4.00
FN 2	Nutrition	3.00
PSYC C1000	Introduction to Psychology	3.00
Select one:		3.00
ANTH 4	Cultural Anthropology	3.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00

Select one:		5.00
CHEM 1	General Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00

Select one:		3.00
CMST 4	Small Group Communication	3.00

COMM C1000	Introduction to Public Speaking	3.00
Select one:		4.00
MATH 26	College Algebra	4.00
MATH 26s	College Algebra with Support	4.00
MATH 28	Precalculus	4.00
MATH 28s	Precalculus with Support	4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 33.00

Computer Science & Engineering

Dept Chair Contact: Luke Sathrum - AHPS 251 - (530) 895-2219 - sathrumlu@butte.edu

Certificate in Cisco Network Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: CISCONETWORK.CC

(Not Eligible for Financial Aid) The completion of this certificate will prepare students for the Cisco Certified Networking Associate certification.

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

1. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
2. Design, build, configure, and maintain small to medium-sized computer networks utilizing switches, routers, and WAN connections.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		13.00
CSCI 40	Cisco Networks Level I	3.00
CSCI 41	Cisco Networks Level II	3.00
CSCI 42	Cisco Networks Level III	3.00
CSCI 49	PCs and Peripherals/A+	4.00

Total: 13.00

AS Degree in Civil Engineering

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44132.00AS

This degree program is designed to cover the majority of the first two years of a four-year program leading to the Bachelor's Degree in Civil Engineering at CSU, Chico. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals. While the Bachelor's Degree is usually the minimum needed to practice as a junior engineer, the Associate in Science Degree in Civil Engineering will permit an individual to find work in most engineering firms as an engineering aide or assistant. The curriculum includes core math and science courses as well as required lower-division courses in Civil Engineering.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Use engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution, and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices including those used in surveying.
4. Solve problems using data gathered at building sites.
5. Write comprehensive reports to communicate the analysis of civil engineering projects.

Required courses:	52.00

CHEM 1	General Chemistry I	5.00
DFT 12	Beginning AutoCAD Drafting	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 2	Programming and Problem-Solving in MATLAB	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
GEOL 32	Physical Geology with Lab	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 52.00

Certificate of Achievement in Civil Engineering

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44137.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Civil Engineering is designed to cover the core civil engineering courses needed to transfer to a four-year program leading to the Bachelor's Degree in Civil Engineering at most four-year colleges and universities. The curriculum includes lower division courses in Civil Engineering. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Use engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution, and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices including those used in surveying.
4. Solve problems using data gathered at building sites.
5. Write comprehensive reports to communicate the analysis of civil engineering projects.

Required courses:		23.00
DFT 12	Beginning AutoCAD Drafting	3.00
ENGR 2	Programming and Problem-Solving in MATLAB	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
GEOL 32	Physical Geology with Lab	4.00

Total: 23.00

AS Degree in Civil Engineering Technology

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 01322.00AS

The Civil Engineering Technology program is designed to prepare students to enter the world of Civil Engineering Technologists or Technicians. The program has sufficient breadth to include surveying, map drafting, and computer aided drafting (CAD). After completion of the two-year program, the student will be prepared to enter civil engineering technology at the entry level. To be successful in this program it is desirable that students have background in math through intermediate algebra, physics, and science. A year or more of high school drafting is a plus. Students should be prepared for a rigorous two-year training program.

Students who are still enrolled in high school and considering a career as a civil engineering technologist or technician are encouraged to take classes in math, drafting and computer science. Students who complete this program will be able to serve on a field survey crew, work in an engineering office, and prepare maps for recordation. Students will be able to prepare maps with both conventional drafting instruments and with the help of the computer (CAD). In every constituency there exists a need for trained engineering technicians and technologists. The information in this course of study is used daily in most public works departments in all counties and in all engineering offices in the state.

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

1. Describe the history, functions, and types of engineering.
2. Use survey equipment to measure and record angles and distances in the field.
3. Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.
4. Collect, analyze, and summarize data in a professional report.

Required courses:		28.00
DFT 2	Engineering Graphics I	3.00
DFT 4	Print Reading for Construction and Architecture	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
DFT 24	Architectural Drafting Applications	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
MATH 20	Trigonometry	3.00
Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00

Total: 28.00

Certificate of Achievement in Civil Engineering Technology

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01322.00CA

See AS Degree in Civil Engineering Technology.

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

1. Describe the history, functions, and types of engineering.
2. Use survey equipment to measure and record angles and distances in the field.
3. Identify the physical, mechanical, and chemical properties and the applications of the materials commonly used in engineering practice.
4. Collect, analyze, and summarize data in a professional report.

Required courses:		22.00
DFT 2	Engineering Graphics I	3.00
DFT 12	Beginning AutoCAD Drafting	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 3	Plane Surveying I	3.00
ENGR 4	Plane Surveying II	3.00
MATH 20	Trigonometry	3.00
Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00

Total: 22.00

AS Degree in Computer Animation & Game Development

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 31284.02AS

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

Students in Computer Animation and Game Development use art and technology to design and create multimedia environments that communicate, inform, and entertain. Computer Animation and Game Development provides a foundation for students who wish to pursue further studies in digital animation, video game design, 3-D modeling, texture art, concept art, special effects art, graphic art, storyboard art, and game programming. The program prepares students for transfer to the Computer Animation and Game Development program at California State University, Chico and for similar majors at other four-year colleges and universities.

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

1. Identify and demonstrate the visualization techniques, ideation processes, and the tools and materials used to develop concepts for the video games and entertainment industries.
2. List and describe the formal and dramatic elements that comprise a well- designed video game and conceptualize and refine an idea for a video game.
3. Design and implement computer algorithms and applications using basic computation, input and output, control structures, and a variety of data structures in an object oriented programming language.
4. Use a variety of artistic and technical techniques and tools to translate ideas into multimedia presentations.

Required courses:		30.00-33.00
Complete required courses plus one CSU, Chico option:		30.00-33.00
CSCI 11	Introduction to Game Design	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
DRAM 8	Acting I	3.00
MSP 9	Concept Art and Design for Entertainment Media	3.00
MSP 45	3-D Computer Modeling and Animation	3.00
MSP 96	Introduction to Computer Graphics	3.00
Select one CSU, Chico option:		9.00-12.00
Art Studio option at CSU, Chico		12.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ART 14	Figure Drawing I	3.00
OR		
Communication Design option at CSU, Chico		9.00
MSP 5	Introduction to Interactive Web Design and Authoring	3.00
MSP 74	Multimedia Production I	3.00
RTVF 30	Audio Production	3.00

Total: 30.00-33.00

AS Degree in Computer Engineering

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44134.00AS

This degree program is designed to cover the majority of the first two years of a four-year program leading to the Bachelor's Degree in Computer Engineering at CSU, Chico. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals. While the Bachelor's Degree is usually the minimum needed to practice as a junior engineer, the Associate in Science Degree in Computer Engineering will permit an individual to find work in most engineering firms as an engineering aide or assistant. The curriculum includes core math and science courses as well as required lower-division courses in Computer Engineering.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Use engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking solution components, and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices used in circuit design and testing.
4. Use general methods of problem solving typical in developing computer hardware and software.
5. Write and analyze computer programs.

Required courses:		46.00
CHEM 1	General Chemistry I	5.00

CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 17	Electrical Circuits and Devices	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 46.00

Certificate of Achievement in Computer Engineering

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44138.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Computer Engineering is designed to meet the core lower division requirements for Computer Engineering. Completion of the Certificate of Achievement includes the discipline specific courses required to transfer to a four year university in engineering. The specific field requirements do vary depending on the four-year institution to which the student will transfer. Thus, requirements for specific universities should be checked before selecting specific field courses.

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

1. Safely use and accurately interpret the output of standard measuring devices.
2. Use the tools of Mathematics and Physics to solve engineering problems.
3. Demonstrate knowledge of the general methods of problem-solving using data gathered in the field.
4. 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.
5. Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

Required courses:		17.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 17	Electrical Circuits and Devices	4.00

Total: 17.00

AS Degree in Computer Information Systems

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 36241.01AS

This program partially reflects requirements for the Bachelor of Science in Computer Information Systems at CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

Computer Information Systems (CIS) as a field focuses on practical applications of technology to support organizations. The program includes a range of subjects, including end-user Information Technology (IT) systems, IT systems analysis and design, software development, and mathematics. Potential careers for CIS graduates include IT consultant, programmer/analyst, application developer, Quality Assurance Specialist, IT support specialist, IT project manager, and many other roles in the IT industry.

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

1. Define terminology, concepts, and functions of end-user Information Technology (IT) systems.

2. Explain how fundamental principles of economics and accounting systems are used to inform business decisions and satisfy the needs of specific businesses and users.
3. Articulate the types of business needs that can be addressed using information technology-based solutions.
4. Articulate business requirements for a technology solution, specify alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specify the requirements for an information systems solution.
5. Design and implement computer algorithms and applications using basic computation, input and output, control structures, and a variety of data structures in an object-oriented programming language
6. Describe how formal tools of symbolic logic are used to model real-life situations, including those arising in computing contexts such as program correctness, database queries, and algorithms.

Required courses:		27.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
CSCI 23	Systems Analysis and Design	3.00
CSCI 49	PCs and Peripherals/A+	4.00
ECON 4	Principles of Microeconomics	3.00
Select one:		4.00
MATH 13	Survey of Calculus	4.00
MATH 13s	Survey of Calculus with Support	4.00

Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 27.00

AS Degree in Computer Programming

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 31307.01AS

The Computer Programming program prepares students for entry-level positions as computer programmers and web developers. The core curriculum covers the software development life-cycle, algorithms, fundamental data structures, database design, and the design, implementation, and testing of computer programs and dynamic websites. No prerequisite skills are required for students to enroll in the program.

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

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

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
3. Design, implement, and test the functionality of relational databases.
4. Design, implement, and test the functionality of computer software in a variety of computer programming languages.
5. Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses:		20.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 25	Linux 1	3.00
CSCI 31	Web Development I	3.00
CSCI 32	Web Development II	3.00
CSCI 36	Programming Project	2.00

Total: 20.00

Certificate of Achievement in Computer Programming

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 31246.01CA

See AS Degree in Computer Programming.

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

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Identify, describe, and apply a variety of software engineering paradigms and process models in the development of computer software solutions.
3. Design, implement, and test the functionality of relational databases.
4. Design, implement, and test the functionality of computer software in a variety of computer programming languages.
5. Design, implement, test, and maintain dynamic websites using client-side technologies, server-side technologies, and relational databases.

Required courses:		20.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 25	Linux 1	3.00
CSCI 31	Web Development I	3.00
CSCI 32	Web Development II	3.00
CSCI 36	Programming Project	2.00

Total: 20.00

AS-T Degree in Computer Science

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31930.30AS-T

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

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

1. Describe the organizational structure of computer hardware and its connection to computer software.
2. Describe how formal tools of symbolic logic are used to model real-life situations and relate the ideas of mathematical induction to recursion and recursively defined structures.
3. Design, implement, test, and debug algorithms to solve a variety of problems.
4. Design, implement, test, and debug computer programs using fundamental constructs and a variety of data structures.
5. Apply structured and object-oriented approaches to the design and implementation of computer programs.

Required courses:		29.00
CSCI 10	Computer Architecture and Organization	3.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
MATH 31	Analytic Geometry and Calculus II	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 29.00

AS Degree in Computer Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11138.00AS

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

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

1. Describe the organizational structure of computer hardware and its connection to computer software.
2. Apply the structured approach to computer software system design.
3. Apply the object-oriented approach to computer software system design.
4. Document program source code following established conventions and standards.

Required courses:		29.00-31.00
CSCI 20	Programming and Algorithms I	3.00
CSCI 21	Programming and Algorithms II	3.00
CSCI 22	Discrete Structures	3.00
MATH 31	Analytic Geometry and Calculus II	4.00
Select one:		3.00
CSCI 10	Computer Architecture and Organization	3.00
ENGR 11	Embedded Systems Development	3.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select two:		8.00-10.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 29.00-31.00

Certificate in Computer Support Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: COMPUTERSUPPTECH.CC

(Not Eligible for Financial Aid) This certificate provides the required skills for employment as a Helpdesk technician and provides a foundation in information communications technology.

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

1. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
4. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		10.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 49	PCs and Peripherals/A+	4.00

Total: 10.00

AS Degree in Computer System Administration

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 31306.02AS

The Computer System Administration program prepares students for industry-standard certification exams and entry-level positions as computer support technicians and jr. computer system/network administrators. The core curriculum covers server and network installation, configuration, troubleshooting, and maintenance. No prerequisite skills are required for students to enroll in the program.

The program offers courses that prepare students for many industry certification exams, including Cisco CCNA, CompTIA A+, Linux+, Network+, Server+, Cloud+, and Security+.

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

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.
4. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
5. Install, configure, maintain, and network Microsoft desktop computer workstations.
6. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) and TCP/IP model.
7. Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
8. Implement a core Windows Server infrastructure in an existing enterprise environment.
9. Implement, manage, maintain and provide services and infrastructure in an on-premise, virtual, and cloud environment.

Required courses:		35.00-37.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 25	Linux 1	3.00
CSCI 40	Cisco Networks Level I	3.00
CSCI 41	Cisco Networks Level II	3.00
CSCI 42	Cisco Networks Level III	3.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 50	CompTIA Cloud+	3.00
CSCI 52	IT Support Professional	3.00
CSCI 65	Microsoft SQL Database Administration	3.00
Select one:		1.00-3.00
BCIS 33	Skills for the Working Professional	1.00
COMM C1000	Introduction to Public Speaking	3.00

Select one:		3.00
CSCI 53	Server Administration	3.00
CSCI 76	Windows Hybrid Infrastructure and Services	3.00

Total: 35.00-37.00

Certificate of Achievement in Computer System Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 31236.02CA

See AS Degree in Computer Systems Administration.

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

1. Design and implement basic software solutions using the building blocks of modern computer software systems.
2. Apply the fundamental techniques of computer security to ensure account and data integrity.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.
4. Identify, describe, install, and maintain the fundamental hardware and software components of a modern computer system.
5. Install, configure, maintain, and network Microsoft desktop computer workstations.
6. Identify and describe connection-oriented network services and the functions of the Open Systems Interconnection (OSI) model.
7. Design, build, configure, and maintain small to medium-sized Cisco networks utilizing switches, routers, and WAN connections.
8. Implement a core Windows Server 2016 infrastructure in an existing enterprise environment.
9. Implement, manage, maintain and provision services and infrastructure in a Windows Server 2016 environment.

Required courses:		35.00-37.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 25	Linux 1	3.00
CSCI 40	Cisco Networks Level I	3.00
CSCI 41	Cisco Networks Level II	3.00
CSCI 42	Cisco Networks Level III	3.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 50	CompTIA Cloud+	3.00
CSCI 52	IT Support Professional	3.00
CSCI 65	Microsoft SQL Database Administration	3.00

Select one:		3.00
CSCI 53	Server Administration	3.00
CSCI 76	Windows Hybrid Infrastructure and Services	3.00

Select one:		1.00-3.00
BCIS 33	Skills for the Working Professional	1.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 35.00-37.00

AS Degree in Cyber-Security Practitioner

About the Program

Program Goal: Career
GE Pattern(s): Butte Local
Program Code: 40710.01AS

The Associate of Science Degree in Cyber-Security Practitioner will provide our community with a workforce of highly skilled digital security professionals well versed in industry standards and best practices. This program is designed to prepare students for employment in a cybersecurity related field and successfully pass globally recognized industry certifications. Upon completion of this program students will have the skills required for an entry level career as a cyber-security practitioner.

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

1. Implement and analyze access control including policies, standards, and procedures that define who users are, what they can do, which resources they can access, and what operations they can perform on a system.
2. Administer a secure network environment through: identification of information assets, documentation of policies, standards, procedures and guidelines that ensure confidentiality, integrity, and availability.
3. Explain security analysis planning and scoping, conduct information gathering and vulnerability identification, and create reports and communicate results of security tests.
4. Implement processes essential to control of loss associated with uncertain events by analyzing risk, recovery and response.
5. Analyze and protect systems from malicious code and use countermeasures and prevention techniques for dealing with viruses, worms, logic bombs, Trojan horses and other related forms of intentionally created deviant code.
6. Engineer, integrate and implement secure solutions in complex enterprise environments to build resilient networks.
7. Describe and analyze the network structures, transmission methods and techniques, transport formats and security measures used to operate both private and public communication networks.

Required courses:		32.00-37.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 18	Ethical Hacking	3.00
CSCI 24	CompTIA Advanced Security Practitioner+	3.00
CSCI 25	Linux 1	3.00
CSCI 26	Linux 2, System Administration	3.00
CSCI 49	PCs and Peripherals/A+	4.00
Select one:		1.00-3.00
BCIS 33	Skills for the Working Professional	1.00
COMM C1000	Introduction to Public Speaking	3.00

Complete one track:		9.00-12.00
Systems Administration		12.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 50	CompTIA Cloud+	3.00
CSCI 52	IT Support Professional	3.00
		3.00
CSCI 53	Server Administration	3.00
CSCI 76	Windows Hybrid Infrastructure and Services	3.00

CCNA		9.00
CSCI 40	Cisco Networks Level I	3.00
CSCI 41	Cisco Networks Level II	3.00
CSCI 42	Cisco Networks Level III	3.00

Total: 32.00-37.00

Certificate of Achievement in Cyber-Security Practitioner

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 40709.01CA

See AS Degree in Cyber-Security Practitioner.

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

1. Understand, implement, and analyze access control, those policies, standards, and procedures that define who users are, what they can do, which resources they can access, and what operations they can perform on a system.
2. Use industry best practices, administer, maintain, and analyze a secure network environment through identification of information assets, and documentation of policies, standards, procedures, and guidelines that ensure confidentiality, integrity and availability.
3. Explain security analysis planning and scoping, conduct information gathering and vulnerability identification, and create reports and communicate results of security tests.
4. Develop and analyze risk, response, and recovery through the review, analysis and implementation processes essential to the identification, measurement and control of loss associated with uncertain events.
5. Analyze and protect systems from malicious code and use countermeasures and prevention techniques for dealing with viruses, worms, logic bombs, Trojan horses and other related forms of intentionally created deviant code.
6. Conceptualize, engineer, integrate and implement secure solutions in complex enterprise environments to build resilient networks.
7. Understand comprehensive data communications and analysis including: The network structure, transmission methods and techniques, transport formats and security measures used to operate both private and public communication networks.

Required courses:		32.00-37.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 18	Ethical Hacking	3.00
CSCI 24	CompTIA Advanced Security Practitioner+	3.00
CSCI 25	Linux 1	3.00
CSCI 26	Linux 2, System Administration	3.00
CSCI 49	PCs and Peripherals/A+	4.00
Select one:		1.00-3.00
BCIS 33	Skills for the Working Professional	1.00
COMM C1000	Introduction to Public Speaking	3.00

Complete one track:		9.00-12.00
Systems Administration		12.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 50	CompTIA Cloud+	3.00
CSCI 52	IT Support Professional	3.00
		3.00
CSCI 53	Server Administration	3.00
OR		
CSCI 76	Windows Hybrid Infrastructure and Services[or]	3.00

CCNA		9.00
CSCI 40	Cisco Networks Level I	3.00
CSCI 41	Cisco Networks Level II	3.00
CSCI 42	Cisco Networks Level III	3.00

Total: 32.00-37.00

AS Degree in Electrical Engineering

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44135.00AS

This degree program is designed to cover the majority of the first two years of a four-year program leading to the Bachelor's Degree in Electrical Engineering at CSU, Chico. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals. While the Bachelor's Degree is usually the minimum

needed to practice as a junior engineer, the Associate in Science Degree in Electrical Engineering will permit an individual to find work in most engineering firms as an engineering aide or assistant. The curriculum includes core math and science courses as well as required lower-division courses in Electrical Engineering.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Develop engineering judgment in the solution of electrical engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices used in electrical engineering fields
4. Solve problems using data gathered from circuits and circuit simulators.
5. Write comprehensive reports to communicate the analysis of various electrical systems.

Required courses:		44.00
CHEM 1	General Chemistry I	5.00
CSCI 20	Programming and Algorithms I	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 17	Electrical Circuits and Devices	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 44.00

Certificate of Achievement in Electrical Engineering

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44575.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Electrical Engineering is designed to cover the core electrical engineering courses needed to transfer to a four-year program leading to the Bachelor's Degree in Electrical Engineering at most four-year colleges and universities. The curriculum includes lower division courses in Electrical Engineering. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Demonstrate an ability to develop engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices.
4. Demonstrate knowledge of the general methods of problem solving using data gathered in the field.
5. Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

Required courses:		18.00
CSCI 20	Programming and Algorithms I	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 11	Embedded Systems Development	3.00
ENGR 17	Electrical Circuits and Devices	4.00
MATH 32	Analytic Geometry and Calculus III	4.00

Total: 18.00

Certificate of Achievement in Engineering Fundamentals

About the Program

Program Goal: Local
GE Pattern(s): None

Program Code: 44143.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement is designed to cover the core engineering preparatory courses needed to transfer to a four-year program leading to any Bachelor's Degree in Engineering at most four-year colleges and universities. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Demonstrate an ability to develop engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices.
4. Demonstrate knowledge of the general methods of problem-solving using data gathered in the field.
5. Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

Required Core:		36.00
CHEM 1	General Chemistry I	5.00
ENGL C1000	Academic Reading and Writing	4.00
ENGR 1	Introduction to Engineering	3.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		3.00
CMST 4	Small Group Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 36.00

Certificate of Achievement in Engineering Support Technician

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 44968.00CA

The Certificate of Achievement, Engineering Support Technician offers a series of courses including foundational knowledge needed for an entry level engineering support technician. The program includes a built-in internship which allows the student to obtain hands-on experience in process manufacturing industries. Students will also be prepared to take an industry recognized certification exam.

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

1. Utilize software to analyze, sort, and record data.
2. Interpret technical drawings.
3. Apply programming concepts.
4. Apply concepts of networking and create a basic network.
5. Apply mathematical and physical science concepts and apply those in a problem-solving format.
6. Apply skills acquired in specific areas of mechanical, electrical and pneumatic and hydraulic training.
7. Complete industry certifications.
8. Translate acquired skills through education, training, and internship to an employment opportunity as an engineering support technician.

Required courses		27.00-29.00
BCIS 85	Microsoft Excel for Windows	3.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 19	Computer Networking Fundamentals	3.00
DFT 16	Print Reading for Industry and Manufacturing	3.00
ENGR 99	Work Experience-ENGR	6.00
ITEC 55	Introduction to Industrial Trades	2.00
Select one:		3.00-5.00
MATH 20	Trigonometry	3.00
MATH 28	Precalculus	4.00
MATH 28s	Precalculus with Support	4.00
MATH 30	Analytic Geometry and Calculus I	5.00

MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		4.00
PHYS 21	College Physics I	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00

Total: 27.00-29.00

Certificate in Linux Pro

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: LINUXPRO.CC

(Not Eligible for Financial Aid) This certificate is designed to teach students the basic Linux administration skills applicable to the Information Communication Technologies (ICT) workforce. Students that complete this certificate have the skills necessary for entry level Linux administration, and provides the foundational knowledge for industry certifications.

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

1. Demonstrate an understanding of system architecture by determining and configuring hardware settings, booting the system, changing runlevels/boot targets, and shutdown or reboot system.
2. Manage packages and updates by using Debian, RPM, and YUM package management.
3. Select and use GNU and Linux commands by processing text streams using filters (e.g., cat, head, tail, sort, uniq, grep, sed), pipes and redirects, manage, edit, and search files using regular expressions.
4. Be capable of more advanced management configuration including user and group management, localization,accessibility, services, networking, security and automation of administrative tasks through shell scripting.

Required courses:		13.00
CSCI 4	Introduction to Programming Concepts and Methodologies	3.00
CSCI 25	Linux 1	3.00
CSCI 26	Linux 2, System Administration	3.00
CSCI 49	PCs and Peripherals/A+	4.00

Total: 13.00

AS Degree in Mechanical Engineering

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44136.00AS

This degree program is designed to cover the majority of the first two years of a four-year program leading to the Bachelor's Degree in Mechanical Engineering at CSU, Chico. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals. While the Bachelor's Degree is usually the minimum needed to practice as a junior engineer, the Associate in Science Degree in Mechanical Engineering will permit an individual to find work in most engineering firms as an engineering aide or assistant. The curriculum includes core math and science courses as well as required lower-division courses in Mechanical Engineering.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Use engineering judgment in the solution of mechanical engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices used in mechanical engineering.
4. Solve problems using data gathered in mechanical systems.
5. Write comprehensive reports to communicate the analysis of mechanical engineering problems.

Required courses:		49.00
CHEM 1	General Chemistry I	5.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00

ENGR 1	Introduction to Engineering	3.00
ENGR 2	Programming and Problem-Solving in MATLAB	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 49.00

Certificate of Achievement in Mechanical Engineering

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44142.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Mechanical Engineering is designed to cover the core mechanical engineering courses needed to transfer to a four-year program leading to the Bachelor's Degree in Mechanical Engineering at most four-year colleges and universities. The curriculum includes lower division courses in Mechanical Engineering. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Demonstrate an ability to develop engineering judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices.
4. Demonstrate knowledge of the general methods of problem solving using data gathered in the field.
5. Demonstrate the ability to write comprehensive reports to communicate the analysis of various materials.

Required courses:		20.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
ENGR 2	Programming and Problem-Solving in MATLAB	3.00
ENGR 8	Statics	3.00
ENGR 45	Materials Science	4.00
MATH 32	Analytic Geometry and Calculus III	4.00

Total: 20.00

AS Degree in Mechatronic Engineering

About the Program

Program Goal: Transfer
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44133.00AS

This degree program is designed to cover the majority of the first two years of a four-year program leading to the Bachelor's Degree in Mechatronic Engineering at CSU, Chico. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals. While the Bachelor's Degree is usually the minimum needed to practice as a junior engineer, the Associate in Science Degree in Mechatronic Engineering will permit an individual to find work in most engineering firms as an engineering aide or assistant. The curriculum includes core math and science courses as well as required lower-division courses in Mechatronic Engineering. This degree also captures much of the requirements of both Mechanical Engineering and Electrical Engineering pathways.

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

1. Demonstrate an ability to develop 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.

2. Use the tools of Mathematics and Physics to solve engineering problems.
3. Safely use and accurately interpret the output of standard measuring devices used in the mechatronic field.
4. Demonstrate the ability to work cohesively in the team environment to solve engineering problems.
5. Communicate the analysis of various materials, systems and solutions verbally and in industry-standard written form.

Required courses:		61.00
CHEM 1	General Chemistry I	5.00
CSCI 20	Programming and Algorithms I	3.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
ENGR 1	Introduction to Engineering	3.00
ENGR 8	Statics	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 17	Electrical Circuits and Devices	4.00
ENGR 45	Materials Science	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 61.00

Certificate of Achievement in Mechatronic Engineering

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44141.00CA

(Not Eligible for Financial Aid) The Certificate of Achievement in Mechatronic Engineering is designed to cover the core mechatronic engineering courses needed to transfer to a four-year program leading to the Bachelor's Degree in Mechatronic Engineering at most four-year colleges and universities. The curriculum includes lower division courses in Mechatronic Engineering. Major requirements can vary by university and catalog year. Students should consult with a counselor and utilize Assist.org to ensure this is the most efficient pathway for their academic and career goals.

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

1. Use the tools of Mathematics and Physics to solve engineering problems.
2. Demonstrate an ability to develop judgment in the solution of engineering problems by breaking problems down, solving each part, checking each solution and reassembling the problem for a final solution.
3. Safely use and accurately interpret the output of standard measuring devices used in the mechatronic field.
4. Demonstrate the ability to work cohesively in the team environment to solve engineering problems.
5. Communicate the analysis of various materials, systems and solutions verbally and in industry-standard written form.

Required courses:		32.00
CSCI 20	Programming and Algorithms I	3.00
DFT 2	Engineering Graphics I	3.00
DFT 8	Engineering Graphics II	3.00
ENGR 8	Statics	3.00
ENGR 10	Digital Logic Fundamentals	4.00
ENGR 17	Electrical Circuits and Devices	4.00
ENGR 45	Materials Science	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00

Total: 32.00

Certificate in Security Pro

About the Program

Program Goal: Career

GE Pattern(s): None
Program Code: SECURITYPRO.CC

(Not Eligible for Financial Aid) This certificate is designed for current ICT Professionals wishing to up-skill their career. It provides a foundation of cyber-security skills applicable to the IT workforce. Students that complete this certificate have the skills necessary to protect data and prevent loss according to industry best practices.

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

1. Understand, implement, and analyze access control, policies, standards, and procedures that define who users are, what they can do, which resources they can access, and what operations they can perform on a system.
2. Develop and analyze risk, response, and recovery through the review, analysis and implementation processes essential to the identification, measurement and control of loss associated with uncertain events.
3. Analyze and protect systems from malicious code and use countermeasures and prevention techniques for dealing with viruses, worms, logic bombs, Trojan horses and other related forms of intentionally created deviant code.
4. Use industry best practices, administer, maintain, and analyze a secure network environment through identification of information assets, and documentation of policies, standards, procedures, and guidelines that ensure confidentiality, integrity and availability.

Required courses:		12.00
CSCI 17	Computer and Network Security/Security+	3.00
CSCI 18	Ethical Hacking	3.00
CSCI 19	Computer Networking Fundamentals	3.00
CSCI 24	CompTIA Advanced Security Practitioner+	3.00

Total: 12.00

Certificate in Server Administration

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: SERVERADMIN.CC

(Not Eligible for Financial Aid) Completion of this certificate validates student knowledge of management and maintaining a modern Windows Server hybrid infrastructure.

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

1. Implement, manage, maintain, and provide services and infrastructure in a Windows Server Hybrid environment.
2. Implement and migrate core Windows Server infrastructure in an existing enterprise environment.
3. Identify labor market needs and properly prepare for the most relevant industry certification exams.

Required courses:		13.00
CSCI 49	PCs and Peripherals/A+	4.00
CSCI 50	CompTIA Cloud+	3.00
CSCI 53	Server Administration	3.00
CSCI 76	Windows Hybrid Infrastructure and Services	3.00

Total: 13.00

Mathematics

Dept Chair Contact: Brooke Kennedy - MATH 104 - (530) 895-2272 - kennedybr@butte.edu

AS-T Degree in Mathematics

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31953.31AS-T

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

The degree is designed to prepare students for upper division study in Mathematics and related disciplines. The role of Mathematics is vital and growing, providing solutions to problems in a wide range of fields. Mathematics is a study in its own right. It is also an essential tool for expressing and understanding ideas in the sciences: social, biological, physical, behavioral, and management. As a result, employment opportunities for Math

Majors have been expanding in recent years. To begin this degree students must either have completed the prerequisites for Math 30 (Calculus 1) which include Trigonometry and College Algebra, or receive a qualifying placement on the CAP tool.

Mathematics graduates at the bachelor's level are qualified to pursue a career in fields such as mathematics, engineering, statistics, operations research, actuarial science, business management, law enforcement, military science, government, and education. They also frequently enter graduate programs to pursue advanced degrees in Mathematics or related majors.

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

1. Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
2. Apply methods of matrix transformations to solve both practical and theoretical problems.
3. Determine whether a theorem or definition applies in a given situation and use it appropriately.
4. Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses:		19.00-21.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select 6 units minimum from the lists below, with at least 3 units from List A:		6.00-8.00
List A (Select one to two):		3.00-4.00
MATH 40	Differential Equations	4.00
MATH 42	Linear Algebra	3.00
List B (Select one):		3.00-4.00
CSCI 20	Programming and Algorithms I	3.00
PHYS 41	Physics for Scientists and Engineers I	4.00
		4.00
STAT C1000	Introduction to Statistics	4.00
OR		
STAT C1000E	Introduction to Statistics	4.00

Total: 19.00-21.00

AS Degree in Mathematics

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01355.00AS

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

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

1. Define, understand, and apply concepts of limits, differentiation, and integration to authentic problems.
2. Apply methods of matrix transformations to solve both practical and theoretical problems.
3. Determine whether a theorem or definition applies in a given situation and use it appropriately.
4. Demonstrate good problem-solving habits including estimating solutions and rejecting unreasonable results.
5. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.

Required courses:		23.00
CSCI 20	Programming and Algorithms I	3.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
MATH 42	Linear Algebra	3.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 23.00

Physical Sciences

Dept Chair Contact: Dr. Michael Panunto - SCI 240 - (530) 895-2229 - panuntomi@butte.edu

AS Degree in Chemistry

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01358.00AS

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

Chemistry is the study of the properties, composition, and transformations of all material substances. It supports and draws from biology, earth science, engineering, mathematics, medicine, and physics. Chemistry can be a rewarding and fascinating subject to study because it helps students understand these other fields and "how things work" in general. The Chemistry AS degree is appropriate for students planning to transfer to a university to major in chemistry or other closely related fields. A different set of courses is offered for students in other majors such as agriculture or allied health science including nursing, dental hygiene, physical therapy, or nutrition.

Medical personnel, technicians, engineers, and scientists identify and solve problems by applying logic, scientific thinking, and knowledge of natural laws. The study of chemistry is well suited to developing these skills, and many opportunities are available to those who have studied chemistry. Chemistry majors are employed in many fields, including agronomy, biotechnology, energy production, environmental science, material science, medicine, patent law and teaching. Note, however, that most careers associated with chemistry require a degree beyond the AS degree.

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

1. Demonstrate basic experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.
2. Demonstrate basic analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.

Required courses:		40.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 40.00

AS Degree in Environmental Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 15151.00AS

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

The major promotes an understanding of basic operational principles underlying the biosphere and ecosystem through a transdisciplinary approach to understanding interaction between the biological and physical world and human institutions. Students will understand essential biological and physical processes, analyze human/environment interactions, understand different cultural perspectives on the environment, build critical thinking skills as the basis for decision making and sound value judgements, gain specialized analytical skills in at least one area of environmental science, build teamwork, leadership, conflict resolution skills, and develop effective communication skills.

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

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

4. Demonstrate knowledge of how human activities impact the physical and biological environments.
5. Demonstrate knowledge of environmental policy-making, regulation, compliance, enforcement, and the collection of data from fieldwork.

Required courses:		23.00-35.00
Complete one emphasis:		23.00-35.00
Ecological Restoration emphasis at Cal Poly Humboldt		26.00
AGS 50	General Soils	4.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
NR 28	Environmental Management	3.00
PSC 10	Introduction to Environmental Science	4.00
OR		
Energy and Climate emphasis at Cal Poly Humboldt		30.00-35.00
NR 28	Environmental Management	3.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
PSC 10	Introduction to Environmental Science	4.00
Select one:		5.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 43	Ecology and Evolution	5.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		5.00-10.00
CHEM 51	Elementary Inorganic Chemistry	5.00
OR		
Taking CHEM 1 requires CHEM 2		10.00
CHEM 1	General Chemistry I	5.00
AND		
CHEM 2	General Chemistry II	5.00
OR		
Environmental Policy emphasis at Cal Poly Humboldt		23.00
MATH 20	Trigonometry	3.00
NR 28	Environmental Management	3.00
PSC 10	Introduction to Environmental Science	4.00
Select one:		5.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 43	Ecology and Evolution	5.00
Select one:		4.00
MATH 26	College Algebra	4.00
MATH 26s	College Algebra with Support	4.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 23.00-35.00

AS Degree in General Physics

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01357.01AS

This program meets the lower division major preparation for the General Physics degree pattern at CSU, Chico. Visit website for details www.assist.org

The Associate in Science in General Physics is intended for students who plan to continue on to a University and major in Physics or related discipline. Students who successfully complete this pattern may transfer into the General Physics program at Chico State or transfer into the discipline representing the breadth choice for the degree. Physics is the fundamental study of the relationships that exist among time, space,

motion, matter and energy that serves as both a living and evolving record of humanity's understanding of the physical universe from the sub-atomic to the super-galactic as well as a coherent, time-tested compendium of strategies for mathematically modeling and analyzing physical systems. Preparation in the physics discipline may also prepare students for multidisciplinary investigations or to enter into other disciplines very prepared to succeed.

Roughly 50% of students who receive physics bachelor's degrees go directly into the workforce after graduation while the rest continue onto graduate school (which is often tuition free for US citizens). Physics bachelor degree careers are wide ranging and include High School Physics Teachers, Government Funded Laboratory technicians and Private Sector jobs often working the same computer science and engineering jobs as graduates in those fields with average salaries markedly above jobs from non-technical fields. Students are encouraged to contact one of our 4 full-time physics instructors to discuss possible futures in physics. Physics is an abstract and mathematically demanding field. Beginning the AS Degree requires the student have the required prerequisites to enter into college level calculus. Many students have begun focused math studies well below calculus-level at Butte College, succeeded in physics and been successful in receiving advanced degrees.

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

1. Demonstrate basic experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.
2. Demonstrate basic analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.
4. Respectfully and ethically collaborate with people in other disciplines from disparate backgrounds.

Required courses:		58.00-62.00
Complete required courses plus one CSU, Chico option:		52.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 43	Ecology and Evolution	5.00
CHEM 1	General Chemistry I	5.00
GEOL 32	Physical Geology with Lab	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
MATH 40	Differential Equations	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
Select one:		4.00
MATH 28	Precalculus	4.00
MATH 28s	Precalculus with Support	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one CSU, Chico option:		6.00-10.00
Chemistry option		10.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
Biology option		9.00
BIOL 15	Introduction to Microbiology	4.00
BIOL 42	Organismal Biology	5.00
Geology option (Select one group):		8.00
Group 1		8.00
GEOL 34	Historical Geology with Lab	4.00
PSC 10	Introduction to Environmental Science	4.00
Group 2		8.00
PSC 10	Introduction to Environmental Science	4.00
PSC 50	Introduction to Weather	3.00
PSC 51	Weather Lab	1.00
Mathematics option		6.00
CSCI 20	Programming and Algorithms I	3.00
MATH 42	Linear Algebra	3.00

Total: 58.00-62.00

AA-T Degree in Geography

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31952.30AA-T

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

The discipline of Geography studies the spatial relationships that make every place on earth unique. This includes both the physical characteristics and cultural traditions, along with the economic and governmental structures that make each place distinct. Geographers synthesize these concepts by studying the relationship between humans and their environment, the effects the environment has on humans, and the effects humans have on the environment. The Associate in Arts in Geography for Transfer Degree supplies students with foundational knowledge in Physical Geography and Cultural Geography, plus additional coursework within the discipline.

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

1. Identify fundamental concepts specific to physical and cultural Geography.
2. Identify conceptual and theoretical models pertaining to world, regional, and local Geography.
3. Apply applications associated with various thematic maps as well as use of geographical computer modeling.

Required courses:		20.00
GEOG 2	Physical Geography	3.00
GEOG 3	Physical Geography Lab	1.00
Select one:		3.00
GEOG 4	Cultural Geography	3.00
GEOG 8	World Regional Geography	3.00
List A: Select two or any course not already use		6.00
GEOG 10	Geography of California	3.00
GEOG 20	Introduction to Geographic Information Systems	3.00
List B:		7.00
ANTH 4	Cultural Anthropology	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00

Total: 20.00

AS-T Degree in Geology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 32721.30AS-T

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

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

1. Identify and interpret common rocks, minerals, fossils and geologic structures.
2. Explain the physical and biological changes that have occurred on earth throughout geologic time using modern theories such as plate tectonics and evolution.
3. Demonstrate an understanding of the geologic time scale and determine the age of rocks using both relative and absolute dating methods.
4. Synthesize information from plate tectonics theory and other science disciplines to solve geologic problems and explain geologic phenomena such as mountain building, patterns of igneous activity and seismicity.
5. Read and interpret topographic and geologic maps in order to answer geologic questions.
6. Demonstrate the analytical and critical thinking skills needed to succeed in a four-year geology program.

Required courses:		27.00
CHEM 1	General Chemistry I	5.00

CHEM 2	General Chemistry II	5.00
GEOL 32	Physical Geology with Lab	4.00
GEOL 34	Historical Geology with Lab	4.00
MATH 31	Analytic Geometry and Calculus II	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 27.00

AS Degree in Physical Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01356.00AS

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

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

1. Investigate and describe specific evidence used to construct individual scientific principles.
2. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
3. Utilize scientific methodologies when solving a problem.
4. Demonstrate knowledge of the interplay between the various physical sciences, how they align, and how they differ.
5. Demonstrate how the physical sciences differ from the biological and social sciences.

Required courses:		43.00-45.00
Geoscience (Physical Science Education option at CSU, Chico)		43.00-45.00
CHEM 1	General Chemistry I	5.00
CHEM 2	General Chemistry II	5.00
CHEM 21	Organic Chemistry I	5.00
GEOL 32	Physical Geology with Lab	4.00
GEOL 34	Historical Geology with Lab	4.00
Select one:		4.00-5.00
BIOL 1	Introduction to Biology	4.00
BIOL 41	Cell and Molecular Biology	5.00
Select one:		4.00-5.00
MATH 13	Survey of Calculus	4.00
MATH 13s	Survey of Calculus with Support	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00
Select one:		4.00
MATH 31	Analytic Geometry and Calculus II	4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
Select one group:		8.00
PHYS 21	College Physics I	4.00
PHYS 22	College Physics II	4.00
OR		
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00

Total: 43.00-45.00

AS-T Degree in Physics

About the Program

Program Goal: Transfer

GE Pattern(s): Cal-GETC
Program Code: 31950.30AS-T

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

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

1. Demonstrate conceptual understanding by being able to describe qualitatively the underlying causes of basic physical phenomena.
2. Demonstrate analytical skills by interpreting graphs and schematics and diagnosing realistic physical problems.
3. Demonstrate experimental knowledge through data gathering, judging the accuracy and reliability of data, creating informative graphs, and discussing the limitations of experimental designs.

Required courses:		25.00
MATH 31	Analytic Geometry and Calculus II	4.00
MATH 32	Analytic Geometry and Calculus III	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PHYS 42	Physics for Scientists and Engineers II	4.00
PHYS 43	Physics for Scientists and Engineers III	4.00
Select one:		5.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 30s	Analytic Geometry and Calculus I with Support	5.00

Total: 25.00

Social/Behavioral Studies & Communication

Understanding people, cultures, and communities is at the heart of the SBSC Community of Interest. Here, you'll find programs in psychology, sociology, history, communication, and more. These fields prepare students to think critically, communicate effectively, and engage in meaningful social change. Whether you're heading into public service, education, or a transfer university, SBSC builds the foundation for lifelong impact.

Child Development & Education

Dept Chair Contact: Dr. Shaun-Adrian Chofla - AHPS 251 - (530) 895-2550 - choflash@butte.edu

AA-T Degree in Child & Adolescent Development

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35197.31AA-T

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

This program teaches students to embrace a practitioner-scholar model that inspires and supports the development of knowledge, skills and dispositions essential to fostering healthy growth and learning of children and families in a diverse society, including leadership and advocacy, for children up to age eighteen.

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

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

Required courses:	19.00

CDF 14	Child Growth and Development	3.00
PSYC C1000	Introduction to Psychology	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List A (Select three courses from at least 2 groups)		9.00
Group 1		15.00
ANTH 4	Cultural Anthropology	3.00
CDF 12	Child, Family, and Community	3.00
SOC 2	Principles of Sociology	3.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
SOC 20	Introduction to Race and Ethnicity	3.00
Group 2		3.00
PSY 15	Lifespan Psychology	3.00
Group 3		4.00
BIOL 1	Introduction to Biology	4.00
Group 4		6.00
CDF 40	Observation and Assessment	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00

Total: 19.00

AS-T Degree in Early Childhood Education

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31941.30AS-T

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

This degree is intended for students who plan to complete a Bachelor's Degree in Child Development or Early Childhood Education at a California State University (CSU). Students who complete this degree will achieve competency in promoting child development and learning, building family and community relationships, implementing developmentally appropriate curricula while learning about child assessment systems, teaching in a diverse society, and becoming a lifelong learner.

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

1. Synthesize research-based theories including principles and practices of child development and learning.
2. Incorporate strategies for building respectful, reciprocal family and community relationships in order to engage society in the development and learning of children.
3. Exhibit the ability to use an assessment system encompassing a variety of strategies that provide information about program effectiveness and children's development, learning, interests, strengths and needs.
4. Apply principles of child development and positive guidance for planning inclusive, culturally relevant and appropriate curriculum and learning environments while integrating all developmental domains.
5. Identify and conduct themselves as Early Childhood professionals and commit to using the National Association for the Education of Young Children Code of Ethical Conduct and other professional standards while engaging in reflective practices as collaborative learners.

Required courses:		24.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 40	Observation and Assessment	3.00
CDF 48	Principles and Practices of Teaching Young Children	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
CDF 78	Early Childhood Education Practicum	3.00
CDF 80	Health, Safety and Nutrition	3.00

Total: 24.00

Certificate of Achievement in Early Childhood Education

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: 01349.00CA

See AS Degree in Early Childhood Education.

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

1. Evaluate the impact of various educational systems and practices on children's development and learning, considering the effectiveness of family engagement strategies and community partnerships.
2. Design and demonstrate a developmentally appropriate and culturally sensitive curriculum that integrates principles of play-based learning, positive guidance, and theories of child development.
3. Analyze the historical and contemporary perspectives on diversity and inclusion in early childhood education and discuss strategies to promote an inclusive and anti-racist classroom community.
4. Critically compare different early childhood curriculum models and approaches, integrating knowledge from academic disciplines and children's individual characteristics to plan and adapt learning experiences.
5. Examine the key concepts and practices related to health, safety, and nutrition in early childhood settings, including relevant laws and regulations.

Required courses:		24.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 40	Observation and Assessment	3.00
CDF 48	Principles and Practices of Teaching Young Children	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00
CDF 78	Early Childhood Education Practicum	3.00
CDF 80	Health, Safety and Nutrition	3.00

Total: 24.00

Certificate in Early Childhood Education

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: EARLYCHILDEDUC.CC

(Not Eligible for Financial Aid) See AS Degree in Early Childhood Education.

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

1. Compare historical and current theoretical frameworks of child development and analyze how these theories impact children and families in various educational, political, and socioeconomic contexts.
2. Identify the typical progression of development across all domains and differentiate between typical and atypical development characteristics, considering the influence of biological, environmental, and social factors.
3. Apply objective techniques for observing, describing, and evaluating children's behavior, incorporating key child development theories, and acknowledging and addressing personal biases that may affect objectivity.
4. Describe the legal requirements and ethical responsibilities of professionals working with all children and families and examine the implications of these responsibilities on personal relationships with children, families, and the community.
5. Evaluate diverse family characteristics, perspectives, and engagement strategies within early learning settings while also employing metacognitive skills to reflect on how personal experiences influence relationships with children, families, and the community.

Required courses:		12.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
Select 6 units:		6.00
CDF 40	Observation and Assessment	3.00
CDF 48	Principles and Practices of Teaching Young Children	3.00
CDF 57	Teaching in a Diverse Society	3.00
CDF 63	Introduction to Early Childhood Education Curriculum	3.00

CDF 80	Health, Safety and Nutrition	3.00

Total: 12.00

AA-T Degree in Elementary Teacher Education

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 33563.31AA-T

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

Students who seek to become teachers in primary, secondary, bilingual, or special education will find this to be an ideal educational program. This pathway focuses on building the knowledge, skills, and dispositions that prepare professionals to work with children grades TK to twelve. In this program, students will learn how to promote healthy development and learning in individually, culturally, and linguistically responsive ways, and will complete their first two years of a four-year degree.

Employment of elementary school teachers is projected to grow above 6% due to the projected increases in student enrollment and the increase of teacher's retirements. The median annual wage is around $54,550.

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

1. Evaluate and apply Transitional Kindergarten 12th grade state-adopted curriculum standards and frameworks, and teach to a diverse population of students.
2. Design learning experiences based on an understanding of students' physical, cognitive, emotional, social, creative, cultural, and linguistic needs.
3. Utilize observations and assessments to monitor student progress and create developmentally appropriate curriculum for instruction.
4. Create and maintain an inclusive learning environment that supports all students academic and personal success.

Required courses:		33.00
BIOL 1	Introduction to Biology	4.00
CDF 14	Child Growth and Development	3.00
COMM C1000	Introduction to Public Speaking	3.00
EDUC 2	Introduction to Education	3.00
HIST 8	United States History to 1877	3.00
POLS C1000	American Government and Politics	3.00
Select one:		3.00
ENGL 4	Introduction to Literature	3.00
HIST 3	World History to 1500	3.00
Select one:		4.00
ENGL C1000	Academic Reading and Writing	4.00
ENGL C1000E	Academic Reading and Writing	4.00
List A (Select one):		4.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
List B (Select one):		3.00
ART 1	Art Appreciation	3.00
DRAM 2	Introduction to Theatre	3.00
MUS 1	Music Appreciation	3.00

Total: 33.00

AA Degree in Liberal Studies

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 01372.00AA

This program is the lower division pathway for students seeking transfer to CSU, Chico's BA in Liberal Studies. Students seeking to transfer to a different CSU, not CSU, Chico, should follow the AA-T Elementary Teacher Education pathway. The Liberal Studies pathway is an interdisciplinary majoring consisting of courses drawn from humanities, social sciences, mathematics, arts, language and sciences. Students in the program will receive a well-rounded education preparing them for careers as an elementary school teacher; however, the major is also appropriate for students who wish to have an interdisciplinary studies degree.

The Integrated Teacher Education Program (ITEP) is an accelerated pathway option that integrates the AA degree in Liberal Studies, the Bachelor's degree in Liberal Studies and a teacher credential in four years. This accelerated pathway is designed for individuals who already know they want to become a teacher. It requires concurrent enrollment in both CSU Chico courses while also attending Butte and may include summer course work. To learn more about the ITEP option speak with a counselor.

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

1. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.
2. Describe the ways in which humanities, social sciences, mathematics, arts, language and sciences coursework will enhance one's awareness, discover academic interests, and develop academic skills.
3. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
4. Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies.
5. Examine major physical, psychosocial, language and cognitive developmental milestones of the developing child.

Required courses:		34.00
BIOL 1	Introduction to Biology	4.00
CDF 14	Child Growth and Development	3.00
EDUC 2	Introduction to Education	3.00
HIST 3	World History to 1500	3.00
MATH 5	Concepts in Mathematics for Teachers II	4.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
Select one:		3.00
MATH 4	Concepts in Mathematics for Teachers I	3.00
MATH 4s	Concepts in Mathematics for Teachers I with Support	3.00
Select one:		3.00
POLS C1000	American Government and Politics	3.00
POS 12	California State and Local Government	3.00
Select one:		3.00
ECON 20	Economic History of the U.S.	3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 26	Men and Women in American History	3.00

Total: 34.00

AA Degree in Liberal Studies: Bilingual Pattern

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11133.00AA

This program is the lower division pathway for students seeking transfer to CSU, Chico's BA in Liberal Studies. Students seeking to transfer to a different CSU, not CSU, Chico, should follow the AA-T Elementary Teacher Education pathway. The Liberal Studies pathway is an interdisciplinary major consisting of courses drawn from humanities, social sciences, mathematics, arts, language and sciences. Students in the program will receive a well-rounded education preparing them for careers as an elementary school teacher with a bilingual option.

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

1. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.
2. Describe the ways in which humanities, social sciences, mathematics, arts, language and sciences coursework will enhance one's awareness, discover academic interests, and develop academic skills.
3. Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
4. Analyze and critically evaluate arguments and issues in terms of logical principles or other problem solving methodologies.
5. Examine major physical, psychosocial, language and cognitive developmental milestones of the developing child.
6. Describe the concepts and issues related to teaching a diverse learners in today's contemporary schools including Transitional Kindergarten (TK) through grade eight.

Required courses:		45.00
BIOL 1	Introduction to Biology	4.00
CDF 14	Child Growth and Development	3.00
EDUC 2	Introduction to Education	3.00
ETHS 10	Introduction to Chicano Studies	3.00
HIST 3	World History to 1500	3.00
MATH 5	Concepts in Mathematics for Teachers II	4.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00
Select one:		3.00
ECON 20	Economic History of the U.S.	3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 26	Men and Women in American History	3.00
Select one:		3.00
MATH 4	Concepts in Mathematics for Teachers I	3.00
MATH 4s	Concepts in Mathematics for Teachers I with Support	3.00
Select one:		3.00
POLS C1000	American Government and Politics	3.00
POS 12	California State and Local Government	3.00

Total: 45.00

Certificate in Para Education

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: PARAEDUC.CC

(Not Eligible for Financial Aid) Students who earn the certificate in Para Education will develop skills that are valued by employers. This certificate, along with other school district requirements, can help lead students into careers as Paraeducators, Paraprofessionals, or Teacher Aides in TK-12th-grade schools.

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

1. Explain their role and responsibilities as a paraeducator.
2. Increase their knowledge about typical and atypical developmental patterns in children.
3. Provide instructional supports using individualized educational plans for diverse learners.

Required courses:		12.00
CDF 14	Child Growth and Development	3.00
CDF 18	Children with Special Needs	3.00
CDF 57	Teaching in a Diverse Society	3.00
EDUC 2	Introduction to Education	3.00

Total: 12.00

Communication Studies, Ethnic Studies & World Languages

Dept Chair Contact: Deb McCabe - LRC 304 - (530) 895-2287 - mccabede@butte.edu

AA-T Degree in Communication Studies 2.0

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 43453.30AA-T

The Associate in Arts in Communication Studies 2.0 for Transfer degree is intended for students who plan to complete a bachelor's degree in Communication Studies at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

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

1. Demonstrate communication skills to connect, work, and play well with others.
2. Communicate ethically.
3. Research, organize, and create messages using appropriate resources.
4. Effectively present formal and informal communication adapted to a variety of audiences and contexts.
5. Demonstrate critical thinking.

Required courses:		18.00
CMST 10	Interpersonal Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00
List A (Select three):		9.00
CMST 4	Small Group Communication	3.00
CMST 6	Oral Interpretation	3.00
CMST 9	Intercultural Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
CMST 13	Gender and Communication	3.00
CMST 14	Argumentation and Debate	3.00
RTVF 12	Mass Media and Society	3.00
List B (Select one or any List A course not already used):		3.00
JOUR 2	Introduction to Reporting and Newswriting	3.00

Total: 18.00

AA Degree in Communication Studies

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 19042.00AA

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

This program offers vital communication skills that are in demand by virtually every company and most organizations. Students with a degree in Communication Studies are prepared to succeed in numerous professions; in fact, many studies cite "effective communication" as the number one skill in demand in today's workplace. Students majoring in Communication Studies explore communication theories and skills needed in our complex world. These include: oral and written communication, critical thinking, interpersonal communication, gender and communication, intercultural awareness and sensitivity, and effective group interaction, among others.

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

1. Demonstrate communication skills to connect, work and play well with others.
2. Communicate ethically.
3. Research, organize, and create messages using appropriate resources.
4. Effectively present formal and informal communication adapted to a variety of audiences and contexts.
5. Demonstrate critical thinking.

Required courses:		18.00
CMST 4	Small Group Communication	3.00
CMST 9	Intercultural Communication	3.00
CMST 10	Interpersonal Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
CMST 14	Argumentation and Debate	3.00
COMM C1000	Introduction to Public Speaking	3.00

Total: 18.00

AA Degree in Multicultural and Gender Studies

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 36259.00AA

The degree in Multicultural and Gender Studies is an interdisciplinary approach to cultural analysis within and across cultural groups in the United States, with emphasis on the role of class, race, and gender in shaping cultural identities.

This program emphasizes critical thinking, collaborative learning, activism, and advocacy, skills which can be applied to a host of careers. There is a growing demand in fields such as management, health and community services, public administration, government services, insurance, sales and personnel firms for individuals with educational backgrounds in diversity studies. Similarly, there are increasing opportunities for work in industry, higher education, nonprofit and public policy. The AA degree in Multicultural and Gender Studies is an excellent major for any student.

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

1. Describe the major concepts, perspectives, research methods, and historic trends in Multicultural and Gender Studies (MCGS).
2. Evaluate and differentiate the experiences of diversities such as race/ethnicity, sex and gender, and religion.
3. Identify and analyze contemporary social problems and issues of multiculturalism, gender, race, ethnicity, and social inequality.

Required courses:		18.00
CMST 9	Intercultural Communication	3.00
CMST 13	Gender and Communication	3.00
MCGS 8	Introduction to Multicultural and Gender Studies	3.00
MCGS 10	Introduction to Women's Studies	3.00
Select one:		3.00
ETHS 10	Introduction to Chicano Studies	3.00
ETHS 30	Introduction to African American Studies	3.00
ETHS 40	Introduction to Asian American Studies	3.00
Select one:		3.00
ENGL 26	Queer Film and Literature	3.00
HIST 18	Multicultural History of the United States	3.00
HIST 26	Men and Women in American History	3.00
HIST 30	History of the African American	3.00
SOC 14	Sociology of Gender	3.00
SOC 20	Introduction to Race and Ethnicity	3.00

Total: 18.00

AA-T Degree in Spanish

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 35887.30AA-T

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

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

1. Converse and write in Spanish at the intermediate level with effective use of grammar, vocabulary, comprehensible pronunciation, and syntax on a range of topics such as personal and family lives, school or work, and current events.
2. Read and understand authentic texts in Spanish such as letters, essays, newspaper articles, poems, and/ or short stories.
3. Demonstrate knowledge and understanding of the linguistic, literary, and cultural elements (such as general knowledge of the social, political, and economic conditions and contributions) of the Spanish speaking world.

Required courses:		19.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00

List A (Select one):		3.00
ETHS 10	Introduction to Chicano Studies	3.00
SPAN 14	Hispanic Short Stories	3.00
SPAN 16	Hispanic Film	3.00

Total: 19.00

English, Journalism & ESL

Dept Chair Contact: Dr. Katherine MacKinnon - LRC 320 - (530) 895-2893 - mackinnonka@butte.edu

AA-T Degree in English

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31133.30AA-T

Students completing Associate Degrees for Transfer are guaranteed admission to the CSU system. Please see the beginning of the "Academic Programs" section for details. With the completion of the AA-T in English, students will possess the foundational knowledge and skills that comprise the core content of the first two years of many four-year programs in English.

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

1. Analyze themes within course texts and compare them to the ways these themes are treated in other course texts.
2. Synthesize analyses of specific details in particular works of literature in support of a clear, overall point or thesis.
3. Identify, employ and evaluate different frameworks for analyzing and interpreting literature. These frameworks may include political, socioeconomic, geographical, ethnic, cultural, ecological, psychoanalytical, historical, gender, and genre development.

Required courses:		18.00
ENGL 4	Introduction to Literature	3.00
ENGL C1001	Critical Thinking and Writing	3.00
List A (Select two):		6.00
ENGL 8	British Literature I	3.00
ENGL 10	British Literature II	3.00
ENGL 14	U.S. Literature I	3.00
ENGL 16	U.S. Literature II	3.00
List B (Select one or any course from List A not already used):		3.00
ENGL 6	Creative Writing	3.00
ENGL 15	Film as Literature	3.00
ENGL 25	Introduction to Shakespeare	3.00
ENGL 60	Creative Writing: Fiction	3.00
List C (Select one or any course from List A or List B not already used):		3.00
ENGL 20	Introduction to Poetry	3.00
ENGL 26	Queer Film and Literature	3.00
ENGL 31	Existential Literature: A Literary Approach to Self Integration	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
ENGL 47	Native American Literature	3.00

Total: 18.00

AA-T Degree in Journalism

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 33199.32AA-T

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

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

1. Write simple and complex/long form news articles using the inverted pyramid and other formats.
2. Build a portfolio of completed projects for student media that demonstrates a range of storytelling formats/styles and effective design/layout.
3. Demonstrate leadership and management skills as an editor.

Required courses:		18.00-19.00
JOUR 2	Introduction to Reporting and Newswriting	3.00
JOUR 10	Beginning Newspaper Production	3.00
RTVF 12	Mass Media and Society	3.00
List A (Select one):		3.00
JOUR 12	Intermediate Newspaper Production	3.00
List B (Select two):		6.00-7.00
CMST 14	Argumentation and Debate	3.00
ENGL C1001	Critical Thinking and Writing	3.00
PHO 2	Introduction to Photography	3.00
POLS C1000	American Government and Politics	3.00
POS 3	Comparative Politics	3.00
		3.00
ECON 2	Principles of Macroeconomics	3.00
OR		
ECON 4	Principles of Microeconomics	3.00
		4.00
STAT C1000	Introduction to Statistics	4.00
OR		
STAT C1000E	Introduction to Statistics	4.00

Total: 18.00-19.00

AA Degree in Language Arts

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 11131.00AA

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

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

1. Assess the applications of a Language Arts AA Degree for personal advancement in educational and/or professional goals.
2. Identify, employ and evaluate different frameworks and perspectives for analyzing and interpreting literature or communication artifacts. These frameworks may include political, socioeconomic, geographical, ethnic, cultural, ecological, psychoanalytical, historical, gender, sexuality, and genre development.
3. Demonstrate oral, aural and non-verbal competence as appropriate to the discipline, or language.
4. Define ethical communication and explain the principles that it encompasses, regardless the discipline, language or medium.
5. Research, organize and create written, oral, and non-verbal messages using appropriate resources.

Required courses:		18.00-19.00
Select two:		6.00-7.00
CMST 4	Small Group Communication	3.00
COMM C1000	Introduction to Public Speaking	3.00
ENGL 4	Introduction to Literature	3.00
		4.00
ENGL C1000	Academic Reading and Writing	4.00
OR		
ENGL C1000E	Academic Reading and Writing	4.00
Select 12 units not already used:		12.00
ASL 1	American Sign Language I	4.00
ASL 2	American Sign Language II	4.00

CHIN 1	First Semester Chinese	4.00
CHIN 2	Second Semester Chinese	4.00
CMST 4	Small Group Communication	3.00
CMST 6	Oral Interpretation	3.00
CMST 9	Intercultural Communication	3.00
CMST 12	Forensics (Speech and Debate)	3.00
CMST 14	Argumentation and Debate	3.00
COMM C1000	Introduction to Public Speaking	3.00
ENGL 4	Introduction to Literature	3.00
ENGL 8	British Literature I	3.00
ENGL 10	British Literature II	3.00
ENGL 14	U.S. Literature I	3.00
ENGL 15	Film as Literature	3.00
ENGL 16	U.S. Literature II	3.00
ENGL 20	Introduction to Poetry	3.00
ENGL 25	Introduction to Shakespeare	3.00
ENGL 31	Existential Literature: A Literary Approach to Self Integration	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
ENGL 47	Native American Literature	3.00
GERM 1	First Semester German	4.00
GERM 2	Second Semester German	4.00
GERM 3	Third Semester German	4.00
GERM 4	Fourth Semester German	4.00
ITAL 1	First Semester Italian	4.00
JPN 1	First Semester Japanese	4.00
JPN 2	Second Semester Japanese	4.00
JPN 3	Third Semester Japanese	4.00
JPN 4	Fourth Semester Japanese	4.00
LATN 1	First Semester Latin	4.00
LATN 2	Second Semester Latin	4.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00
SPAN 14	Hispanic Short Stories	3.00
SPAN 16	Hispanic Film	3.00

Total: 18.00-19.00

Noncredit Certificate of Competency in ESL

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 30774.00NC

(Not Eligible for Financial Aid) The Certificate of Competency in ESL is a sequence of noncredit ESL courses that takes English language learners from basic skills to high intermediate proficiency in preparation for their matriculation into credit courses. The program provides students with the foundational language proficiency for various career fields or to matriculate into General Education courses. This certificate program requires 110 hours of attendance over at least two academic semesters as well as the successful completion of at least two courses in the ESL sequence, one of which must be ESL 304.

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

1. Communicate effectively in English.
2. Negotiate essential life exchanges and situations.
3. Identify personal goals from a list of academic and vocational objectives.
4. Achieve language skills sufficient to pursue higher academic levels.

Required courses:		0.00
ESL 304	ESL Level IV	0.00
Select one:		0.00
ESL 301	ESL Level I	0.00

ESL 302	ESL Level II	0.00
ESL 303	ESL Level III	0.00
ESL 340	Technology Skills for ESL Students	0.00

Total: 0.00

Social & Behavioral Sciences

Dept Chair Contact: Dr. Nathen Murawski - LRC 356 - (530) 895-2857 - murawskina@butte.edu

AA-T Degree in Philosophy

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 40923.30AA-T

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

Students choosing this major will study a range of philosophical subjects including logic, ethics, metaphysics, and epistemology. They will learn not what to think but how to think, developing skills in analytical and critical thinking and writing that are excellent preparation for professional and other careers, including law and management.

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

1. Analyze and evaluate arguments from philosophical and non-philosophical sources.
2. Identify philosophical principles and concepts as they developed in the history of philosophy.
3. Discuss and evaluate claims and arguments from the main branches of philosophy, including logic, metaphysics, epistemology, and ethics.
4. Formulate and defend philosophical positions in response to the diverse assumptions and viewpoints shaping human lives.

Required courses:		18.00
PHIL 2	Introduction to Philosophy	3.00
PHIL 6	Introduction to Logic and Critical Thinking	3.00
List A (Select one):		3.00
PHIL 4	Introduction to Ethics and the Good Life	3.00
PHIL 10	History of Ancient Philosophy	3.00
List B (Select two or any course from List A not already used):		6.00
PHIL 8	Methods of Argument	3.00
PHIL 18	Eastern Religions	3.00
List C (Select one or any course from List A or List B not already used):		3.00
PHIL 16	Western Religions	3.00
OR		
Any CSU transferable course that has been articulated to fulfill Cal-GETC Area 3B.		

Total: 18.00

AA-T Degree in Psychology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31422.31AA-T

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

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

1. Identify the major concepts, theoretical perspectives, research methods, core empirical findings, and historic trends in psychology from diverse perspectives.
2. Critically evaluate research reports and synthesize a body of research findings.

3. Develop testable hypotheses and select appropriate research design to test hypotheses.

Required courses:		19.00-20.00
PSY 7	Introduction to Research Methods in Psychology	3.00
PSYC C1000	Introduction to Psychology	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List A (Select one):		3.00-4.00
BIOL 1	Introduction to Biology	4.00
BIOL 2	Introduction to Human Biology	3.00
PSY 3	Introduction to Biological Psychology	3.00
List B (Select one or any course from List A not already used):		3.00
PSY 15	Lifespan Psychology	3.00
List C (Select one or any course from List A or B not already used):		3.00
PSY 6	Abnormal Psychology	3.00
PSY 41	Socio-Cultural Context of Psychological Development	3.00

Total: 19.00-20.00

AA-T Degree in Sociology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31954.31AA-T

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

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

1. Describe the major concepts, perspectives, research methods, and historic trends in sociology.
2. Identify and analyze contemporary social problems and issues of gender, race, ethnicity, and social inequality using qualitative and quantitative information.

Required courses:		19.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00
Select one:		4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List A (Select two):		6.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
SOC 10	Introduction to Crime and Society	3.00
SOC 14	Sociology of Gender	3.00
SOC 20	Introduction to Race and Ethnicity	3.00
List B (Select one or any course from List A not already used):		3.00
PSY 7	Introduction to Research Methods in Psychology	3.00
SOC 5	Our Sustainable Future	3.00
SOC 30	Sociology of Inequality	3.00

Total: 19.00

Certificate in Sustainability Studies

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: SUSTAINABILITY.CC

(Not Eligible for Financial Aid) The Sustainability Studies Certificate program is designed to broaden and deepen students' understanding of the interconnected nature of the comprehensive social, economic, and environmental transformations of the 21st Century. This course of study will provide students with an interdisciplinary body of knowledge that focuses on the problems human civilization faces as well as the solutions and strategies that will lay the groundwork for a sustainable future. Students will develop leadership skills that inspire cooperation and mutual respect, and facilitate innovative, durable, and sustainable pathways for social and personal change, economic security and prosperity, and environmental restoration.

Students who complete the Sustainability Studies Certificate program will be well prepared to make sound career and lifestyle choices that support and promote a satisfying and sustainable world for all living beings - now and into the indefinite future. The Certificate in Sustainability Studies will increase the marketability of students who go directly into the workforce, and will enrich the knowledge set of students who continue their education in sustainability related fields at the university level and beyond.

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

1. Identify how current social, economic, and environmental problems affect their individual lives, the lives of people in other parts of the world, and the lives of future generations.
2. Define sustainability, evaluate the sustainability of particular systems and practices, and analyze the political and cultural challenges of sustainability implementation.
3. Recognize the fundamental impacts of humans, including commerce and attitudes, on the earth's systems.
4. Evaluate the interdependencies and long-term thinking necessary to grow the world economy while also protecting environmental resources.
5. Utilize critical thinking to develop a point of view regarding the problems and potential solutions for providing adequate yields of nutrient dense food and potable water for a growing global population, both in developing and developed countries.
6. Discuss and write about the ways in which fields such as environmental ethics, ecology, sociology, technology and others interconnect in Sustainability Studies.
7. Develop ideas to create common ground and promote the principles of sustainability to diverse groups of people.
8. Develop a knowledge base to enable them to choose lifestyles and careers that will promote sustainable principles.

Required courses:		9.00
AGS 10	World Food and Hunger Issues	3.00
BIOL 7	Sustaining Life on Earth	3.00
SOC 5	Our Sustainable Future	3.00

Total: 9.00

Sociocultural Studies

Dept Chair Contact: Cynthia Bynoe - LRC 340 - (530) 879-4136 - bynoecy@butte.edu

AA-T Degree in Anthropology

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31964.31AA-T

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

Anthropology is the study of humans worldwide, both in the past and present. The program is designed to introduce students to culture as the core concept for understanding human behavior. The four subfields of anthropology (physical, archaeological, linguistics and cultural) are used as a foundation to examine varied perspectives about the world. Anthropology students graduate with an awareness of cultural and biological diversity and the complexity of past and contemporary societies. The degree offers courses required in the CSU, Chico major core program, in addition to courses approved for CSU General Education.

The program in anthropology is designed to prepare students for a variety of exciting careers, which may include education, research, medicine, business, non-profit and public service fields. As an example, anthropologists may be employed on international research teams, such as with Centers for Disease Control and Prevention scientists working to control Ebola outbreaks in West Africa. Anthropologists may also be employed as resident scientists at the Intel Corporation or as curation specialists in the US Army Corps of Engineers. Numerous anthropological skills, such as the ability to think critically and creatively about the world and the ability to apply research methods to solve problems, translate to various employment sectors. For more information on possible careers, please visit the American Anthropology Association's Careers in Anthropology webpage, http://www.americananthro.org/AdvanceYourCareer/Content.aspx?ItemNumber=1783

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

1. Identify and discuss major topics relevant to Physical Anthropology, including human and primate evolution and variation among hominids.
2. Define culture and apply the concept to a broad cross-cultural understanding of human behavior.
3. Examine past cultural systems through analysis of physical cultural remains.
4. Describe and analyze human linguistic systems and the influence of language on human perceptions of the world.

Required courses:		18.00-20.00
ANTH 2	Introduction to Biological Anthropology	3.00
ANTH 4	Cultural Anthropology	3.00
ANTH 16	Archaeology and Ancient Societies	3.00
List A (Select one):		3.00-4.00
ANTH 13	Magic, Witchcraft and Religion	3.00
ANTH 14	Language and Culture	3.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
List B (Select one or two or any course from List A not already used):		3.00-4.00
BIOL 20	Human Anatomy	4.00
GEOG 20	Introduction to Geographic Information Systems	3.00
GEOL 32	Physical Geology with Lab	4.00
PSY 7	Introduction to Research Methods in Psychology	3.00
List C (Select one or any course from List A or List B not already used):		3.00
ANTH 18	World Cultures	3.00
ANTH 32	Native Americans	3.00
ANTH 33	Ancient Mesoamerica	3.00

Total: 18.00-20.00

AA-T Degree in History

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31000.31AA-T

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

History is the study of how the society we live in came to be. Through contemplation and analysis of historical materials, historians interpret the past and construct collective memory. The Associate Degree for Transfer in History supplies students with foundational knowledge in United States and World History, as well as with an introduction to the historical inquiry process. The degree offers three of five courses required in the CSU, Chico major core program, in addition to courses approved for CSU General Education.

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

1. Identify major developments in the history of the United States and of the world, and to examine the past from diverse perspectives.
2. Apply historical reasoning to the study of the past and to think in terms of causation, context, chronology, and change and continuity.
3. Utilize historical method through posing questions and conducting research, analyzing evidence, and articulating defensible conclusions.

Required courses:		18.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
List A		6.00
Select one:		3.00
HIST 3	World History to 1500	3.00
HIST 21	History of Western Civilization I	3.00
Select one:		3.00
HIST 5	World History Since 1500	3.00
HIST 23	History of Western Civilization II	3.00
List B (Select one course from each group):		6.00
Group 1		6.00
ANTH 33	Ancient Mesoamerica	3.00
HIST 30	History of the African American	3.00
Group 2		9.00
ECON 2	Principles of Macroeconomics	3.00

ECON 4	Principles of Microeconomics	3.00
HIST 18	Multicultural History of the United States	3.00

Total: 18.00

AA-T Degree in Political Science

About the Program

Program Goal: Transfer
GE Pattern(s): Cal-GETC
Program Code: 31939.32AA-T

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

Students who earn either the AA-T in Political Science usually transfer to a CSU or UC. Many students decide to obtain a degree in political science for law school preparation. Other political science majors go on to pursue careers in local government, as legislative aides, with non-profits, in civil service or bureaucratic work, etc. See the American Political Science Association webpage for more information. http://www.apsanet.org/PScareers

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

1. Identify major aspects of governmental systems of the United States, for individual states (especially California), and compare governmental systems on a global basis.
2. Place various governmental systems within a developmental/historical framework. Methods of description, analysis, and theory will also be important factors for students who select Political Science as their major.

Required courses:		19.00
POLS C1000	American Government and Politics	3.00
POS 3	Comparative Politics	3.00
POS 18	International Relations	3.00
List A (Select two):		7.00
POS 16	Vital Political Problems	3.00
		4.00
STAT C1000	Introduction to Statistics	4.00
OR		
STAT C1000E	Introduction to Statistics	4.00

List B (Select one):		3.00
AJ 2	Administration of Justice	3.00
ECON 2	Principles of Macroeconomics	3.00
POS 12	California State and Local Government	3.00
SOC 20	Introduction to Race and Ethnicity	3.00

Total: 19.00

Special Programs

Department Contact: Dr. Teresa Ward - LRC 364 - (530) 895-2844

Noncredit Certificate of Completion in Navigating Workplace Success

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 43333.00NC

(Not Eligible for Financial Aid) The Navigating Workplace Success Certificate will develop strategies that will improve the ability to create sustainable ongoing collaborative relationships in a professional setting. This program is designed to develop fundamental workplace skills known to enhance career prospects for students at the basic skills level.

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

1. Enhance interpersonal skills to overcome employment barriers and improve chances of climbing the career ladder
2. Improve job readiness skills through communication techniques and learned appropriate social behaviors
3. Increase vocabulary and reading ability to overcome communication barriers in the workplace
4. Obtain a certificate in one of the following areas: customer service, retail sales, food service, hospitality, small engine repair, greenhouse and nursery operations, irrigation, and warehousing

Required core:		0.00
OLS 340	Analyzing Communication for Vocational Advantage	0.00
OLS 341	Analyzing Behavior for Vocational Advantage	0.00
Select one:		0.00
OLS 325	Literacy for Career Building	0.00
OLS 329	Occupational Certification Workshop	0.00

Total: 0.00

Noncredit Certificate of Completion in Occupational Life Skills

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 33847.00NC

(Not Eligible for Financial Aid) The focus of the Occupational and Life Skills Program is to prepare students for community integrated employment. The two separate levels of certification may be obtained through an occupation specific certification and a Butte College Certificate of Completion. Students who successfully complete the program will have proof of competencies through these certifications presented to potential employers. This certificate program requires successful completion of 6 courses in the OLS sequence.

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

1. Identify and assess safety hazards in the workplace.
2. Demonstrate appropriate professional conduct.
3. Apply comprehension and writing strategies when confronted with workplace documentation.
4. Recognize and apply for compatible job opportunities relative to their occupation-specific certification.
5. Organize and accomplish tasks for completion, adhering to deadlines.
6. Determine amounts of money, temperature readings, volumes, and other measurements required for some occupations.

Required courses:		0.00
OLS 324	Workplace Communication	0.00
OLS 325	Literacy for Career Building	0.00
OLS 326	Mathematics Within Industry	0.00
OLS 327	Career Exploration	0.00
OLS 328	Strategies for Employment	0.00
OLS 329	Occupational Certification Workshop	0.00

Total: 0.00

Certificate in Special Education for Instructional Service Agreement Instructors

About the Program

Program Goal: Career
GE Pattern(s): None
Program Code: SPEINSTRSEVAGREE.CC

(Not Eligible for Financial Aid) This certificate will prepare students to become Instructional Service Agreement Instructors in agencies that serve adults with disabilities. Program contents emphasize strategies for instruction, real-world assessments, recognition of learning challenges, and legislation governing both agency programs and college programs meant for adults with disabilities.

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

1. Implement authentic assessment measures for adults with disabilities.
2. Determine student learning styles and recognize learning challenges.
3. Demonstrate and apply multiple instructional strategies.
4. Interpret and apply Special Education legislation and documentation.

Required courses:	7.00

SPED 100	Special Education Regulations in the Workplace	2.00
SPED 101	Teaching Adults with Disabilities	2.00
SPED 102	Teaching Adults with Disabilities Practicum	3.00

Total: 7.00

General Studies

General Studies include flexible degree options designed to support a wide variety of academic interests. These Area of Emphasis (AOE) degrees—Social and Behavioral Sciences, Math and Sciences, Arts and Humanities—are ideal for students seeking broad exposure to a subject area while earning an associate degree. While these pathways can be useful for general transfer preparation, it's important to note that they may not align directly with specific university majors. Students intending to transfer to a four-year university in a specific program that we do not offer should work closely with a counselor to ensure their course selections in the AOE degree meets the requirements of their intended major. For students who are sure they will not transfer, these degrees offer a flexible, well-rounded foundation that supports personal growth, academic exploration, and local career opportunities.

General Studies

Department Contact: Dr. Robert White - SAS 220 - (530) 879-4078

AA Degree in Arts and Humanities

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44298.00AA

This degree is intended to provide an interdisciplinary foundation in the arts and humanities for students who are interested in transfer to a university in a related major. These courses provide an introduction to a variety of possible paths of study such as English, Visual Arts, Performing Arts, History, Philosophy, and World Languages. This program may also be appropriate for students pursuing a transfer major not available at Butte College so that they can obtain a degree while fulfilling lower-division requirements for their transfer destination. These major courses may also count toward satisfying university transfer general education requirements. Students are strongly advised to see a counselor to discuss specific choices for their degree and career path.

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

1. Analyze the human experience through the lens of cultural, literary, philosophical, musical, and/or artistic expression.
2. Identify, employ and evaluate different frameworks for analyzing and interpreting literary, cultural, musical, philosophical, and/or artistic works.

Required courses:		18.00
Select 18 units from at least 2 disciplines:		18.00
ART 2	Prehistoric to Gothic Art History Survey	3.00
ART 3	Asian Art History Survey	3.00
ART 4	Renaissance in Contemporary Art History Survey	3.00
ART 6	African, Oceanic, and Native American Art History Survey	3.00
ART 7	2-D Foundations	3.00
ART 8	Drawing I	3.00
ASL 1	American Sign Language I	4.00
ASL 2	American Sign Language II	4.00
ASL 3	American Sign Language III	4.00
ASL 4	American Sign Language IV	4.00
CMST 6	Oral Interpretation	3.00
DRAM 2	Introduction to Theatre	3.00
DRAM 8	Acting I	3.00
ENGL 4	Introduction to Literature	3.00
ENGL 6	Creative Writing	3.00
ENGL 8	British Literature I	3.00
ENGL 10	British Literature II	3.00
ENGL 14	U.S. Literature I	3.00
ENGL 15	Film as Literature	3.00

ENGL 16	U.S. Literature II	3.00
ENGL 20	Introduction to Poetry	3.00
ENGL 25	Introduction to Shakespeare	3.00
ENGL 26	Queer Film and Literature	3.00
ENGL 35	Cross-Cultural Film and Literature	3.00
ENGL 47	Native American Literature	3.00
ENGL 60	Creative Writing: Fiction	3.00
GERM 1	First Semester German	4.00
GERM 2	Second Semester German	4.00
HIST 3	World History to 1500	3.00
HIST 5	World History Since 1500	3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 18	Multicultural History of the United States	3.00
HIST 21	History of Western Civilization I	3.00
HIST 23	History of Western Civilization II	3.00
HIST 30	History of the African American	3.00
JPN 1	First Semester Japanese	4.00
JPN 2	Second Semester Japanese	4.00
JPN 3	Third Semester Japanese	4.00
JPN 4	Fourth Semester Japanese	4.00
MUS 1	Music Appreciation	3.00
MUS 3	Music Fundamentals	3.00
MUS 5	American Popular Music	3.00
MUS 6	Women and Music	3.00
MUS 7	Jazz Appreciation	3.00
MUS 9	World Music	3.00
PHIL 2	Introduction to Philosophy	3.00
PHIL 4	Introduction to Ethics and the Good Life	3.00
PHIL 6	Introduction to Logic and Critical Thinking	3.00
PHIL 10	History of Ancient Philosophy	3.00
PHIL 16	Western Religions	3.00
PHIL 18	Eastern Religions	3.00
RTVF 12	Mass Media and Society	3.00
RTVF 13	Exploring American Television	3.00
RTVF 15	Introduction to Film	3.00
SPAN 1	First Semester Spanish	4.00
SPAN 2	Second Semester Spanish	4.00
SPAN 3	Third Semester Spanish	4.00
SPAN 4	Fourth Semester Spanish	4.00

Total: 18.00

AS Degree in Mathematics and Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44349.00AS

This degree is intended to provide a broad foundation in mathematics and science for students who are interested in transfer to a university in a related major. These courses provide an introduction to a variety of possible paths of study such as Animal Science, Biology, Chemistry, Environmental Science, Mathematics and Physics.

This program may also be appropriate for students pursuing a transfer major not available at Butte College so that they can obtain a degree while fulfilling lower-division requirements for their transfer destination. These major courses may also count toward satisfying university transfer general education requirements. Students are strongly advised to see a counselor to discuss specific choices for their degree and career path.

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

1. Apply mathematical/quantitative reasoning to theoretical and real world problems.
2. Describe scientific principles, practices, and research methods, and apply the scientific method to practical problems within the sciences.
3. Critically analyze scientific research and the representation of scientific findings in the media and society.

Required courses:	18.00

Select 18 units with at least 3 units from each area: Biological Science, Mathematics, and Physical Science		18.00
Biological Sciences:		
AGS 20	Plant Science	3.00
AGS 40	Introduction to Animal Science	4.00
ANTH 2	Introduction to Biological Anthropology	3.00
BIOL 1	Introduction to Biology	4.00
BIOL 41	Cell and Molecular Biology	5.00
BIOL 42	Organismal Biology	5.00
BIOL 43	Ecology and Evolution	5.00
PSY 3	Introduction to Biological Psychology	3.00
Mathematics:		
MATH 20	Trigonometry	3.00
MATH 26	College Algebra	4.00
MATH 26s	College Algebra with Support	4.00
MATH 28	Precalculus	4.00
MATH 28s	Precalculus with Support	4.00
MATH 30	Analytic Geometry and Calculus I	5.00
MATH 31	Analytic Geometry and Calculus II	4.00
STAT C1000	Introduction to Statistics	4.00
STAT C1000E	Introduction to Statistics	4.00
Physical Sciences:		
AGS 50	General Soils	4.00
CHEM 1	General Chemistry I	5.00
CHEM 11	Introduction to Chemistry	4.00
CHEM 21	Organic Chemistry I	5.00
CHEM 51	Elementary Inorganic Chemistry	5.00
CHEM 52	Elementary Organic and Biochemistry	4.00
GEOG 2	Physical Geography	3.00
GEOG 3	Physical Geography Lab	1.00
GEOL 32	Physical Geology with Lab	4.00
GEOL 34	Historical Geology with Lab	4.00
PHYS 10	Concepts of Physics	3.00
PHYS 11	Concepts of Physics Laboratory	1.00
PHYS 21	College Physics I	4.00
PHYS 41	Physics for Scientists and Engineers I	4.00
PSC 10	Introduction to Environmental Science	4.00
PSC 11	Earth Science with Lab	4.00
PSC 12	Concepts in Physical Science	4.00
PSC 30	Introductory Astronomy	4.00
PSC 50	Introduction to Weather	3.00
PSC 51	Weather Lab	1.00

Total: 18.00

AA Degree in Social Science

About the Program

Program Goal: Local
GE Pattern(s): Butte Local, Cal-GETC
Program Code: 44301.00AA

This degree is intended to provide an interdisciplinary foundation in the social sciences for students who are interested in transfer to a university in a related major. These courses provide an introduction to a variety of possible paths of study such as Criminal Justice, Anthropology, Early Childhood Education, Economics, History, Political Science, Psychology, and Sociology.

This program may also be appropriate for students pursuing a transfer major not available at Butte College so that they can obtain a degree while fulfilling lower-division requirements for their transfer destination. These major courses may also count toward satisfying university transfer general education requirements. Students are strongly advised to see a counselor to discuss specific choices for their degree and career path.

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

1. Identify major theoretical orientations in the social and behavioral sciences and describe basic concepts regarding human behavior and thought.

2. Utilize critical thinking skills to analyze, evaluate, and make decisions concerning complex contemporary issues and the interactions among individuals and across societies.
3. Apply methods of inquiry specific to the social and behavioral sciences to larger societal contexts.

Required courses:		18.00
Select 18 units from at least 2 disciplines:		18.00
AJ 1	Criminology	3.00
AJ 2	Administration of Justice	3.00
AJ 4	Criminal Law	3.00
AJ 10	Juvenile Procedures	3.00
AJ 11	Criminal Procedure	3.00
AJ 14	Community Oriented Policing	3.00
ANTH 4	Cultural Anthropology	3.00
ANTH 13	Magic, Witchcraft and Religion	3.00
ANTH 14	Language and Culture	3.00
ANTH 16	Archaeology and Ancient Societies	3.00
ANTH 32	Native Americans	3.00
CDF 12	Child, Family, and Community	3.00
CDF 14	Child Growth and Development	3.00
CDF 57	Teaching in a Diverse Society	3.00
CMST 9	Intercultural Communication	3.00
CMST 10	Interpersonal Communication	3.00
CMST 13	Gender and Communication	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
ECON 20	Economic History of the U.S.	3.00
ETHS 10	Introduction to Chicano Studies	3.00
ETHS 30	Introduction to African American Studies	3.00
ETHS 40	Introduction to Asian American Studies	3.00
GEOG 4	Cultural Geography	3.00
GEOG 8	World Regional Geography	3.00
GEOG 10	Geography of California	3.00
HIST 3	World History to 1500	3.00
HIST 5	World History Since 1500	3.00
HIST 8	United States History to 1877	3.00
HIST 10	United States History-1877 to Present	3.00
HIST 18	Multicultural History of the United States	3.00
HIST 30	History of the African American	3.00
MCGS 10	Introduction to Women's Studies	3.00
POLS C1000	American Government and Politics	3.00
POS 3	Comparative Politics	3.00
POS 12	California State and Local Government	3.00
POS 16	Vital Political Problems	3.00
POS 18	International Relations	3.00
PSY 6	Abnormal Psychology	3.00
PSY 7	Introduction to Research Methods in Psychology	3.00
PSY 15	Lifespan Psychology	3.00
PSY 20	Personal and Social Growth and Wellness	3.00
PSY 41	Socio-Cultural Context of Psychological Development	3.00
PSYC C1000	Introduction to Psychology	3.00
SOC 2	Principles of Sociology	3.00
SOC 4	Modern Social Problems	3.00
SOC 5	Our Sustainable Future	3.00
SOC 8	Introduction to Marriage, Family and Intimate Relationships	3.00
SOC 10	Introduction to Crime and Society	3.00
SOC 14	Sociology of Gender	3.00
SOC 20	Introduction to Race and Ethnicity	3.00
SOC 30	Sociology of Inequality	3.00

Total: 18.00

Certificate of Achievement in Cal-GETC

About the Program

Program Goal: Local
GE Pattern(s): None
Program Code: 44891.00CA

(Not Eligible for Financial Aid) Cal-GETC is the California General Education Transfer Curriculum. It is the single transfer-GE pathway for the state from any California Community College to a California State University (CSU) or University of California (UC) as of Fall 2025. This certificate verifies completion of all Cal-GETC areas and fulfills the lower-division general education requirements to graduate from either the CSU or UC campus. See the Cal-GETC GE Guide in the Butte College catalog for a complete list of course options. All courses used for certification must be a C or higher (C- is not accepted unless valued at a 2.0 or higher on a 4.0 GPA scale).

Cal-GETC is not advisable for all transfer students and is dependent on factors like major and catalog rights. Students should consult with a counselor to determine the appropriate general education option for their transfer goal.

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

1. Communicate effectively, both verbally and in writing.
2. Critically analyze and solve problems using the appropriate technique for the issue at hand, including appropriate use of logic, mathematics, multi-disciplinary, and cultural considerations where applicable.
3. Synthesize the perspectives and approaches of the physical, biological, social and behavioral sciences.
4. Discuss the power and limits of these methods of inquiry and individual, ethical, and societal responsibilities.

Required courses:	34.00
Area 1A English Composition	3.00
Area 1B Critical Thinking and Composition	3.00
Area 1C Oral Communication	3.00
Area 2 Mathematical Concepts and Quantitative Reasoning	3.00
Area 3A Arts	3.00
Area 3B Humanities	3.00
Area 4 Social and Behavioral Sciences (from 2 disciplines)	6.00
Area 5A Physical Science	3.00
Area 5B Biological Science	3.00
Area 5C Laboratory	1.00
Area 6 Ethnic Studies	3.00

Total: 34.00

Courses

Butte College Course Descriptions

Course Numbering System

Courses 1–99 and C1000-C1999: Degree Credit
Lower-division courses (freshman and sophomore level) that are transferable to the CSU system. Many will transfer to the UC system as well as to private and out-of-state universities. See individual course descriptions for transferability information.

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
Courses recommended for basic skills, ESL, workforce prep, and other specified adult education. May not be used for Associate Degree or transfer.

Transfer Status

CSU: Transfers to campuses of the California State University system
UC: Transfers to campuses of the University of California system
NT: Nontransferable course

Course Type Identifiers

C = Common Course Number (CCN)
Appears prior to course number (e.g. POLS **C**1000). Indicates common transferability traits with other California Community College CCN courses.

E = Embedded Support
Appears after course number (e.g. ENGL C1000**E**). Courses that include extra support resources for students as a part of the regularly scheduled class time.

Common Course Numbering (CCN) System

To simplify credit transfer between institutions, California Community Colleges have adopted a statewide numbering system through the Common Course Numbering project (AB 1111). This system will eventually provide a standardized set of subjects and course numbers across all California Community Colleges, ensuring that commonly numbered courses have the same identifier, regardless of the college offering them. These CCN courses can be identified by the letter “C” in front of the course.

Course Identification Numbering (C-ID) System

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

Prerequisites

Prerequisites are required to be completed before enrolling in courses. The student is responsible for ensuring they have completed the prerequisites before attempting to register for the course to minimize potential delays in the registration process. Students who are unsure whether or not they have met the prerequisite (or are unsure whether or not Butte College is aware that they have met the prerequisite) must contact the counseling center prior to registration. Prerequisite courses require a satisfactory completion (grades of "P," "C" or better).

Corequisites

Some courses require a "corequisite," that is, concurrent enrollment in an additional specified course or courses. This means all of the courses need to be taken during the same term.

Challenges to Prerequisites and Corequisites

Students may challenge a prerequisite or corequisite for a course if they have the knowledge or ability to succeed in the course despite not meeting the prerequisite. The complete process for challenging prerequisites and corequisites can be found on the Admissions & Records webpage at **www.butte.edu/services/admissions/prerequisites**.

Course Repetitions

The statement "This course may be repeated 3 times" indicates that a course may be taken four times for credit. Courses that do not indicate repetition are considered not repeatable.

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. Individual course repeat restrictions still apply. Students receiving a satisfactory grade in an active participatory course may not enroll in that course again.

Art
Ceramics: ART 50, 52, 54, 56
Drawing: ART 8, 14, 15, 16
Painting: ART 17, 18, 19
Photography: PHO 2, 4, 6, 15
Printmaking: ART 22, 23
Sculpture: ART 60, 63
Visual Art Fundamentals: ART 7, 9
Weaving: ART 81

Drama
Acting: DRAM 8, 9
Theatre Performance: DRAM 12
Theatre Performance: Musical: DRAM 10
Theatre Production: DRAM 14

Kinesiology
Adaptive: KIN 94
Aerobics: KIN 33
Combatives & Martial Arts: KIN 73, 74, 77
Dance: KIN 38, 39, 40, 44, 93
General Fitness: KIN 48, 49, 51, 52, 53
Individual Sports: KIN 57, 58, 59, 60, 61, 63
Interval Training: KIN 27, 28, 31
Mind-Body Wellness: KIN 41, 42, 43, 45, 47
Resistance Training: KIN 23, 24, 25
Team Sports: KIN 64, 65, 66, 67, 68, 69, 70, 71

Music
Chamber Music: MUS 65, 69
Choir: MUS 70
Concert Band: MUS 62, 63
Guitar: MUS 20, 21, 22, 23
Jazz: MUS 64
Pep Band: MUS 66
Percussion: MUS 67
Piano: MUS 40, 41, 42, 43
Pop: MUS 61
String: MUS 60, 68
Voice: MUS 30, 31, 32, 33

AB-Agriculture Business

AB-15 Agricultural Communication and Sales (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The study of principles and practices of the selling process: selling strategies and approaches, why and how people buy, prospecting, territory management, and customer service. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. Students will gain experience through role-play, formal sales presentations, and job shadowing. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. Application of these concepts and methods will be through hands-on projects developing solutions for agriculture business. (C-ID AG-AB 112).

AB-20 Careers in Agriculture, Environmental Science and Natural Resources (1.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-51 Management Accounting for Agriculture (3.00 units)
Transfer Status: CSU
Prerequisite: AB 50 or ACCT 2
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Management Accounting is a sub-area of accounting concerned with information needed to effectively plan and control economic unit operations and make good business decisions. This course will provide an introduction to selected management accounting topics including financial statements, product costing, cost-volume-profit analysis, and short-term decisions.

AB-54 Supervision and Management in Agriculture (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.

ACCT-Accounting

ACCT-2 Financial Accounting (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: ACCT 2
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introductory accounting course designed for students with little or no prior training in accounting. Topics span the accounting cycle including analysis of business transactions, journalizing, posting, and preparation of financial statements using a hands-on approach. The course prepares students for entry level accounting careers, further study of accounting principles, or to help small business owners manage their own accounting records.

ACCT-30 Accounting Capstone (4.00 units)
Transfer Status: CSU
Prerequisite: ACCT 4 (or concurrent enrollment), ACCT 110 (or concurrent enrollment), ACCT 100 (or concurrent enrollment)
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is intended to be taken in one of the final two semesters of the accounting program to consolidate training of students who are entering the accounting workforce. The course involves substantial accounting simulations where students apply the accounting cycle, prepare supporting work-papers, create budgets and variance analysis, and synthesize their accounting skills. This course will assist students in preparing for the American Institute of Professional Bookkeepers' certification exam.

ACCT-53 Governmental and Non-Profit Accounting (3.00 units)
Transfer Status: CSU
Prerequisite: ACCT 2 or ACCT 20
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers accounting and financial reporting for governmental units and institutions with emphasis on the principles of fund accounting and the comprehensive annual financial report as prescribed by the Governmental Accounting Standards Board. Additional topics include the accounting aspects of budgeting and budgetary control for governmental entities and accounting for non-profit organizations.

ACCT-97 Special Problems-ACCT (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

ACCT-99 Work Experience-ACCT (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

ACCT-100 QuickBooks Pro-Computerized Accounting (2.00 units)
Transfer Status: NT
Prerequisite: ACCT 2 or ACCT 20
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 17.00 Contact hours/0.00 Out of class hours/17.00 Total hours/0.33 Unit(s)
Total: 51.00 Contact hours/68.00 Out of class hours/119.00 Total hours/2.33 Unit(s)
This course provides a transition from a manual accounting system to a typical computerized system. The objective is to collect, summarize and communicate information to decision makers and users via QuickBooks Pro accounting software. Microsoft Excel will be utilized for data summation. Typical documents produced consist of purchase orders, checks, invoices, deposit slips, job cost reports, financial statements, bank reconciliations, payroll tax returns and 1099 forms.

ACCT-105 Income Tax Preparation (4.00 units)
Transfer Status: NT
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Small Business Accounting (2.00 units)
Transfer Status: NT
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 51.00 Contact hours/51.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an overview of basic bookkeeping methods from a small business perspective. Topics discussed will include debits, credits, journal entries, petty cash, accounts receivable, accounts payable, trial balance, income statement, and the balance sheet for a service business. Students will also be introduced to the basic functions of QuickBooks. Emphasis will be on providing answers to questions commonly asked by small business owners.

AET-Agricultural Engineering Technology

AET-22 Natural Resources and Agri-Construction (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Corequisite: AET 36
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (6.00 units)
Transfer Status: CSU
Corequisite: AET 35
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Total: 238.00 Contact hours/68.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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.

AGS-Agriculture Science

AGS-10 World Food and Hunger Issues (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
A scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Emphasis on the origin, characteristics, adaptations and contributions of livestock to the modern agriculture industry. Laboratory exercises will provide an introduction to the empirical method including data collection and analysis. Field trips may be required. (C-ID AG-AS 104).

AGS-45 Feeds and Feeding (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-75 Introduction to Agricultural Education (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an overview of agricultural education in California. The principle components of agricultural education are evaluated, including classroom instruction, student leadership development, and student workplace preparation. Effective program development for a secondary agriculture education program will also be evaluated.

AGS-97 Special Problems-AGS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

AGS-99 Work Experience-AGS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

AJ-Administration of Justice

AJ-1 Criminology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course offers a comprehensive exploration of criminological theories and their application within diverse societal contexts, examining the interaction between law enforcement agencies and the communities they serve. Through a critical lens, students will explore the philosophy of law, the organizational structures of law enforcement at various governmental levels, and the dynamic interrelationships between these entities. Special emphasis is placed on the theoretical underpinnings of criminology, including biological, psychological, and sociological perspectives on crime and criminal behavior. The course critically addresses the influence of gender, sexuality, race, ethnicity, class, and culture on crime and criminal justice responses. Through an analysis of contemporary issues, historical developments, and comparative criminology, students are encouraged to apply theoretical concepts to understand the complexities of crime in a global context, fostering a deep appreciation for the contributions and perspectives of diverse groups. Graded only.

AJ-2 Administration of Justice (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID AJ 120).

AJ-6 Evidence (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. Graded only. (C-ID AJ 124).

AJ-7 Report Writing for Law Enforcement Officers (2.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID AJ 140).

AJ-10 Juvenile Procedures (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID AJ 220).

AJ-11 Criminal Procedure (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID AJ 122).

AJ-13 Organized Crime/Gangs (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict. Emphasis is placed on the challenges and prospects of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in culture, religion, and law. (C-ID AJ 160).

AJ-97 Special Problems-AJ (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

AJ-99 Work Experience-AJ (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

AJLE-Administration of Justice Law Enforcement

AJLE-100 Law Enforcement Academy Physical Training (2.00 units)
Transfer Status: NT
Corequisite: AJLE 130, AJLE 140 or AJLE 141
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 85.00 Contact hours/17.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course conforms to the California Commission on Peace Officer Standards and Training (POST) Basic Law Enforcement Academy requirements for Learning Domain #32, Lifetime Fitness. The course provides an overview of physical fitness for a healthy lifestyle for peace officers. Topics include proper nutrition, common health problems, causes of stress, stress management and physical conditioning.

AJLE-130 Law Enforcement Academy; Basic/State Parks Emphasis (45.50 units)
Transfer Status: NT
Prerequisite: Must be approved, accepted and employed as a State Park Peace Officer Cadet (Ranger or Lifeguard) for the California Department of Parks and Recreation or as a peace officer trainee by a California law enforcement agency OR must have a high school diploma from an accredited high school, or a GED certificate. Additional requirements: Must pass Peace Officer Standards and Training Entry Level Law Enforcement Test Battery (PELLET-B) exam with a score of 42 or higher; AND must pass Law Enforcement Academy Physical Training Test, a 1.5 mile run which must be completed in 15 minutes or less, and no more than 3 months prior to the first day of the academy; AND Must complete Butte College Law Enforcement Academy orientation; AND must possess a valid unrestricted driver's license with no current or recent suspensions; AND must provide a Department of Justice clearance within 90 days prior to the start of the academy which confirms the applicant has no felony or misdemeanor convictions which would prohibit possession of a firearm; AND must provide proof of completion of a medical suitability examination.
Corequisite: AJLE 100
Lecture: 569.50 Contact hours/1,139.00 Out of class hours/1,708.50 Total hours/33.50 Unit(s)
Lab: 612.00 Contact hours/0.00 Out of class hours/612.00 Total hours/12.00 Unit(s)
Total: 1,181.50 Contact hours/1,139.00 Out of class hours/2,320.50 Total hours/45.50 Unit(s)
This course prepares the student for a career as a peace officer with an emphasis on the Department of Parks and Recreation (DPR), under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains (LDs) ranging from academic subjects in criminal law, investigation and patrol procedures to psychomotor skills in defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to meet a prerequisite for employment as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after field training and one year of approved field service at a law enforcement agency. Graded only.

AJLE-140 Law Enforcement Academy (35.00 units)
Transfer Status: NT
Prerequisite: Students are admitted by special application only. Admission to the program is based on scores on the POST Entry-Level Exam, and other special requirements.
Corequisite: AJLE 100
Lecture: 467.50 Contact hours/935.00 Out of class hours/1,402.50 Total hours/27.50 Unit(s)
Lab: 382.50 Contact hours/0.00 Out of class hours/382.50 Total hours/7.50 Unit(s)
Total: 850.00 Contact hours/935.00 Out of class hours/1,785.00 Total hours/35.00 Unit(s)
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 Wildlife Emphasis (48.00 units)

Transfer Status: NT

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

Corequisite: AJLE 100

Lecture: 654.50 Contact hours/1,309.00 Out of class hours/1,963.50 Total hours/38.50 Unit(s)

Lab: 484.50 Contact hours/0.00 Out of class hours/484.50 Total hours/9.50 Unit(s)

Total: 1,139.00 Contact hours/1,309.00 Out of class hours/2,448.00 Total hours/48.00 Unit(s)

This 30-week course prepares the student for a career as a peace officer with an emphasis on the Department of Fish and Wildlife (DFW), under the authority of the California Commission on Peace Officer Standards and Training (P.O.S.T.). The curriculum covers learning domains ranging from academic subjects on criminal law, investigation and patrol procedures to psychomotor skills on defensive tactics, firearms training, driving skills and officer-violator contacts. The successful completion of this course will allow the student to be employed as a peace officer in California (valid for three years after graduation) and lead to the issuance of a Basic Law Enforcement Certificate from P.O.S.T. after one year of approved field service at a law enforcement agency. Graded only.

AJLE-151A PC 832 Arrest Module (1.50 units)

Transfer Status: NT

Prerequisite: Students must obtain a medical examination and clearance from a medical doctor and submit completed medical history and clearance forms prior to the start of the course. The required forms will be provided by contacting the college Public Safety Education and Training Center.

Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 42.50 Contact hours/34.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

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 (1.00 units)

Transfer Status: NT

Prerequisite: Students must provide a California Department of Justice clearance within 90 days prior to the start of the course which confirms that the applicant has no felony or misdemeanor convictions which would prohibit possession of a firearm. This process can take up to 30 days to complete. Students must obtain a medical examination and clearance from a medical doctor and submit completed medical history and clearance forms prior to the start of the course. The required forms will be provided by contacting the college Public Safety Education and Training Center.

Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

This course is one 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 includes 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-162 Academy Instructor Certification (1.50 units)

Transfer Status: NT

Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 42.50 Contact hours/34.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

This course provides instruction in learning methodologies and adult learning concepts, including competency verification of student presentations and facilitation to become a Certified Academy instructor. P.O.S.T. requires individuals interested in instructing in a law enforcement academy to successfully complete a 40-hour Academy Instructor Certification course. Pass/No Pass only.

AJLE-164 POST Dispatcher Course (8.50 units)

Transfer Status: NT

Lecture: 136.00 Contact hours/272.00 Out of class hours/408.00 Total hours/8.00 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 161.50 Contact hours/272.00 Out of class hours/433.50 Total hours/8.50 Unit(s)

Becoming a public safety dispatcher means choosing dispatching not only as a career, but as an ethical commitment to maintain public trust. Public safety dispatchers must understand their role and responsibilities, understand the operation of the communications center, and act with a high degree of professionalism and ethics. This course will cover the communication process of dispatching, criminal justice system, laws and the California Penal Codes, communication technology operations, resource referral services, and wellness management. This course meets the minimum requirements for certification by the California Commission on Peace Officer Standards and Training. Pass/No Pass only.

ALH-Allied Health

ALH-2 Basic Emergency Response & Health Careers (3.00 units)

Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This entry level course will instruct students in the basics of emergency medical care, including Health Care Provider level Cardio-Pulmonary Resuscitation (CPR), First Aid and Safety, that will help sustain life, reduce pain and minimize the consequences of injury or a sudden illness until more advanced medical help takes over. In addition, the course will explore a variety of health care career pathways.

ALH-3 Introduction to Public Health (3.00 units)

Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course presents an overview of the disciplines of community and public health. Topics include the basic concepts and terminologies of public health; an overview of various public health professions and organizations; the study, prevention and control of disease in the community; the analysis of the social determinants of health; strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; school health promotion; environmental health and safety; and an overview of the healthcare delivery system in the United States. Emphasis will be placed on the development of knowledge and preliminary skills to serve as an effective advocate for community and public health. (C-ID PH 101).

ALH-6 The Critical Six Soft Skills in the Professional Healthcare Environment (3.00 units)

Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course assists in the development of soft skills in the professional healthcare settings. Soft skills can be defined as a cluster of personality traits and behaviors that enhance the relationship between two individuals or an individual and an organization. Proficiency in the practice of soft skills has been identified as an essential characteristic to attain for any individual involved in the professional healthcare setting. Content will include six competency domains which include: Communication, Workplace Ethics and Professionalism, Team Building and Collaboration, Effective Problem Solving, Embracing Diversity and Demonstrating Compassion. Graded only.

ALH-8 Health Careers Exploration - HESI (4.00 units)

Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course provides students the opportunity to explore various healthcare professions through direct observation and participation in the healthcare setting. It also provides students the opportunity to interact with healthcare professionals in the clinical environment.

ALH-99 Work Experience-ALH (0.50-8.00 units)

Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

ALH-104 Medical Terminology (3.00 units)

Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.

ANTH-Anthropology

ANTH-2 Introduction to Biological Anthropology (3.00 units)

Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 the foundation of the course. (C-ID ANTH 110).

ANTH-4 Cultural Anthropology (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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-13 Magic, Witchcraft and Religion (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course is a cross-cultural study of the forms and functions of supernatural beliefs and rituals in contemporary and historical societies. Various methods, theories, and models from anthropology and related social sciences are applied to the cross-cultural study of belief systems. An anthropological perspective, emphasizing holism and cultural relativism, is taken to demonstrate how belief in supernatural forces reflects other cultural patterns of behavior and thinking, such as subsistence practices, social organization, and cultural change. Students will gain a comparative understanding of diverse belief systems and their cultural significance.

ANTH-14 Language and Culture (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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-18 World Cultures (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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-95 Special Studies-ANTH (1.00-3.00 units)

Transfer Status: CSU

Prerequisite: Permission of instructor

Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)

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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

ART-Art

ART-1 Art Appreciation (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Prehistoric to Gothic Art History Survey (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-3 Asian Art History Survey (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Renaissance in Contemporary Art History Survey (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-5 1800 to Present Art History Survey (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an overview of art and architecture from the Western modern period of the 19th through the 21st centuries. (C-ID ARTH 150).

ART-6 African, Oceanic, and Native American Art History Survey (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Visual Art Fundamentals family. See Courses/Course Families for more information.

ART-8 Drawing I (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses is placed on materials and subject matter. (C-ID ARTS 110).
Course families are groups of active participatory courses that are related in content. This course is part of the Drawing family. See Courses/Course Families for more information.

ART-9 3-D Foundation (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Visual Art Fundamentals family. See Courses/Course Families for more information.

ART-14 Figure Drawing I (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Students will draw from clothed, draped, and live nude models. (C-ID ARTS 200)
Course families are groups of active participatory courses that are related in content. This course is part of the Drawing family. See Courses/Course Families for more information.

ART-15 Figure Drawing II (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a continuation of Figure Drawing I (ART 14). It will enhance students' techniques, approaches and practices in drawing the human figure. Students will further develop skills and knowledge with emphasis on composition and media development. Students will draw from clothed, draped, and live nude models.
Course families are groups of active participatory courses that are related in content. This course is part of the Drawing family. See Courses/Course Families for more information.

ART-16 Figure Drawing III (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a continuation of skills and drawing principles introduced in ART 14 and ART 15. Traditional and contemporary methods and techniques of composition will be introduced. Students will draw from clothed, draped, and live nude models. Emphasis will be placed on the development of a personal style and the various uses of the human figure in contemporary art.
Course families are groups of active participatory courses that are related in content. This course is part of the Drawing family. See Courses/Course Families for more information.

ART-17 Painting I (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Painting family. See Courses/Course Families for more information.

ART-18 Painting II (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This is an intermediate level painting course. 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.
Course families are groups of active participatory courses that are related in content. This course is part of the Painting family. See Courses/Course Families for more information.

ART-19 Painting III (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Painting family. See Courses/Course Families for more information.

ART-22 Screen Printing (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Printmaking family. See Courses/Course Families for more information.

ART-23 Printmaking I (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Printmaking family. See Courses/ Course Families for more information.

ART-31 Graphic Design I (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-50 Beginning Ceramics (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Ceramics family. See Courses/ Course Families for more information.

ART-52 Ceramics II (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Ceramics family. See Courses/ Course Families for more information.

ART-54 Ceramics III - Low Fire (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Ceramics family. See Courses/Course Families for more information.

ART-56 Ceramics IV (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Ceramics family. See Courses/Course Families for more information.

ART-60 Sculpture I (3.00 units)
Transfer Status: CSU/UC
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Sculpture family. See Courses/Course Families for more information.

ART-63 Sculpture II, Clay (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Sculpture family. See Courses/Course Families for more information.

ART-70 Gallery Production/Business of Art (2.00 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 51.00 Contact hours/51.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Weaving family. See Courses/Course Families for more information.

ART-95 Special Studies-ART (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

ART-99 Work Experience-ART (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

ASL-American Sign Language

ASL-1 American Sign Language I (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is the first of a two part introductory course in American Sign Language (ASL) as it is used within Deaf culture. Topics include basic linguistic structures, facial grammar and fingerspelling as it is used at the novice level. Emphasis is placed on the development of ASL and receptive skills. Students who have completed at least one year of high school ASL with a letter grade of "A" or "B" within one year of the present date, may upon approval of instructor, register for ASL II.

ASL-2 American Sign Language II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: ASL 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is the second half of a two part introductory course in American Sign Language (ASL) as it is used within the Deaf culture. ASL 2 continues to develop the student's use of appropriate linguistics and cultural principles of ASL. Instruction will further student's language development by emphasizing receptive and expressive skills. Intermediate vocabulary, grammar, non-manual behaviors and fingerspelling will be taught.

ASL-3 American Sign Language III (4.00 units)
Transfer Status: CSU/UC
Prerequisite: ASL 2
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is an intermediate American Sign Language (ASL) which further develops receptive and expressive skills, teaches appropriate linguistic features and gives further exposure to Deaf Culture. This course utilizes a practice oriented approach to language acquisition with demonstration of more advanced grammatical features of ASL including conditional and contrastive structure sentence types, recurring and continuous time signs, temporal aspect and narrative structure. Students' fluency and accuracy in fingerspelling and numbers will increase.

ASL-4 American Sign Language IV (4.00 units)
Transfer Status: CSU/UC
Prerequisite: ASL 3
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
American Sign Language (ASL) further develops receptive and expressive skills with an emphasis on ASL narratives and active communication in ASL. It continues to use the functional-notation approach in learning grammar and context. This course also expands on major linguistic and grammatical features, including restructuring space, rephrasing register; and cultural features, including cultural diversity in the Deaf world, Deaf storytellers, and various social services and programs. The student will continue an in-depth study of the global Deaf community and culture through short stories, narratives and interactive use of ASL.

ASL-10 Introduction to American Deaf Culture (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the American Deaf Culture and Deafhood. Emphasis will be placed on the history, community, and the language used within the American Deaf culture: American Sign Language. The values, traditions and diversity in American Deaf Culture will be explored as a linguistic and cultural minority through the dynamics between oppressed/oppressor peoples, past and current trends in deaf education, services for the deaf, legislation, and technology. Group identity and group liberation will be discussed. Taught in American Sign Language with an ASL/ English interpreter.

AUT-Automotive Technology

AUT-3 Specialized Automotive Electronics (6.00 units)
Transfer Status: CSU
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 170.00 Contact hours/136.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
This course teaches students the fundamentals of electricity and electronics used currently in the Automotive industry, including semi-conductors and microcomputers. Electrical measuring devices, wire repair, circuits, schematics and practical diagnostic procedures are emphasized. Microcomputer inputs, processing, outputs, testing, and operation will be explained. Students will acquire the fundamental knowledge and skills to diagnose and service modern automotive electrical and electronic systems, with emphasis on advanced diagnostic routines needed to correct circuit anomalies such as shorts, opens, and parasitic draws.

AUT-6 Automotive Electrical Systems Lecture (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 7
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 6
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 9
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers the operation, design, construction, fault diagnosis, service and repair procedures of the internal combustion engine.

AUT-9 Automotive Engines Lab (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 8
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 21
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 20
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 23
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 22
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 Gas/Diesel Engine Performance Lecture (5.00 units)
Transfer Status: CSU
Prerequisite: AUT 3
Corequisite: AUT 31
Lecture: 85.00 Contact hours/170.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course introduces the theory, operation, and repair of the ignition, fuel, engine management, and emission control systems on gasoline and diesel powered vehicles. This course is designed to help prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing exams.

AUT-31 Gas/Diesel Engine Performance Lab (5.00 units)
Transfer Status: CSU
Prerequisite: AUT 3
Corequisite: AUT 30
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
In this course, students will develop and demonstrate the hands-on skills needed to diagnose and repair the ignition, fuel, engine management, and emission control systems used in today's gasoline and diesel vehicles. This course will help prepare the student to take the California State Smog Check Inspector and Repair Technician Licensing Exams.

AUT-33 High Performance Engine Tuning & Testing (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers the methods used to enhance an internal combustion engine's efficiency and power output, test various engine modifications using industry standard tools, and work with a dynamometer.

AUT-52 Automatic Transmissions/Transaxles Lecture (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 53
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 52
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 57
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 56
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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-73 Diesel Industry Technologies Lecture (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 74
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course develops the skills needed to safely diagnose, repair and maintain the systems and sub-systems specific to over-the-road diesel powered vehicles. Topics will include: Diagnosing problems in mechanical, electrical, pneumatic, and electronic systems with industry standard test equipment; Troubleshooting the sophisticated electronic controls that govern engine performance and horsepower as well as transmission and braking systems; Troubleshooting steering, hydraulic, pneumatic systems, brakes, axles, differentials, electric motors, and compressors. Students will learn industry standardized safety inspection procedures.

AUT-74 Diesel Industry Technologies Lab (3.00 units)
Transfer Status: CSU
Prerequisite: AUT 3 (or concurrent enrollment)
Corequisite: AUT 73
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, students will develop and demonstrate safe work habits along with the hands-on skills needed to diagnose and repair refrigeration units, mobile hydraulic components, heavy duty powertrain units, pneumatic systems, and truck wheel alignments. Emphasis will be placed on the ability to accurately perform maintenance and safety inspections in a timely manner.

AUT-81 Honda PACT Employment Preparation I (2.00 units)
Transfer Status: CSU
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course prepares the student for Honda or Acura dealer employment by offering the same training content that dealer technicians must complete. Students will learn fundamental skills in all eight Automotive Service Excellence (ASE) certification categories with a focus specific to Honda and Acura. This course is for third semester students in an ASE Foundation accredited automotive program.

AUT-82 Honda PACT Employment Preparation II (2.00 units)
Transfer Status: CSU
Prerequisite: AUT 81
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course prepares the student for Honda or Acura dealer employment by offering the same training content that dealer technicians must complete. Students will learn advanced skills in all eight Automotive Service Excellence (ASE) certification categories with a focus specific to Honda and Acura. This course is for fourth semester students in an ASE Foundation accredited automotive program.

AUT-83 Honda PACT Skills Certification (1.50 units)
Transfer Status: CSU
Prerequisite: AUT 81, AUT 82
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course prepares the student for Honda or Acura dealer employment by offering the same lab training content and certification that dealer technicians must complete. Students will learn and certify hands-on skills in all eight Automotive Service Excellence (ASE) certification categories with a focus specific to Honda and Acura. This course is for students who have completed an ASE Foundation accredited automotive program.

AUT-97 Special Problems-AUT (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

AUT-99 Work Experience-AUT (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

AUT-101 Automotive Shop Fundamentals (3.00 units)
Transfer Status: NT
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Fundamental introduction to the major systems of the automobile including safety and preventative maintenance services. This course will focus on Auto Shop Fundamentals and repair for individuals with little to no automotive repair or auto shop experience. Topics will include: Automotive industry tools and usage, Automobile systems theory and repair, vehicle maintenance, emergency roadside repair, buying a used vehicle, safety inspection, and automotive industry career opportunities.

AUT-200 Chassis, Engines, Electrical, Auto Skills Practice (0.50-1.00 units)
Transfer Status: NT
Corequisite: Must be enrolled in a minimum of 2 units of AUT courses (excluding AUT 1, AUT 3)
Lab: 25.50-51.00 Contact hours/0.00-0.00 Out of class hours/25.50-51.00 Total hours/0.50-1.00 Unit(s)
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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

AUT-201 Emissions and Transmissions Auto Skills Practice (0.50-1.00 units)
Transfer Status: NT
Corequisite: Must be enrolled in a minimum of 2 units of AUT courses (excluding AUT 1, AUT 3)
Lab: 25.50-51.00 Contact hours/0.00-0.00 Out of class hours/25.50-51.00 Total hours/0.50-1.00 Unit(s)
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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/ Open Exit.

BCIS-Business Computer Information Systems

BCIS-13 Business Communication (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. This course is designed for students who already have college-level writing skills. (C-ID BUS 115).

BCIS-15 Web-based Tools for Business (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.

BCIS-16 Project Management Tools (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to critical project management and personal information management (PIM) tools integral to today's business operations: Microsoft Project and Outlook. Students will gain practical experience in utilizing Microsoft Outlook to manage professional e-mail communication, organize events, and create/manage contact groups. Additionally, the course will cover foundational project management skills using Microsoft Project, including planning, building, and tracking project schedules; creating and assigning tasks; managing resources; building Gantt charts, timelines, and reports; and monitoring project progress. Emphasis will be placed on skills that directly align with industry expectations and standards, including preparation for the Project Management Professional (PMP) certification where relevant.

BCIS-18 Introduction to Business Technology (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.50 units)
Transfer Status: CSU
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 59.50 Contact hours/17.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course is designed for the student who has had little or no previous training in the operation of a keyboard. Students learn to type by touch, to use appropriate keyboarding techniques, and to develop speed and accuracy. Students learn to use common proofreader's marks in document editing.

BCIS-24 Advanced Keyboarding (1.50 units)
Transfer Status: CSU
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 59.50 Contact hours/17.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course builds on basic keyboarding skills by reinforcing both proper keyboarding and effective speed building techniques in order for the student to reach an employable typing speed. Emphasis is placed on developing straight copy and production skills with minimum errors at increased speeds. Keyboarding strengths and weaknesses will be diagnosed, followed by prescriptive drills to address the issues. Topics include review of alphabet keystroke, word level, capital letter, alternate-hand, punctuation, number, symbol, and horizontal/vertical reaches.

BCIS-28 Microsoft Word for Windows (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers the most recent version of Microsoft Word for Windows (full desktop version) for students who have an understanding of computers and desire comprehensive knowledge of word processing. Course content includes creating, editing, and formatting documents; creating and modifying headers and footers; inserting objects such as images, SmartArt, and WordArt; creating, modifying, and customizing tables; merging documents to create letters, envelopes and labels; creating charts; proofing documents; creating and managing shared documents and online forms; and automating process using macros.

BCIS-33 Skills for the Working Professional (1.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course provides an exploration of essential soft skills necessary for working professionals, focusing on both external and internal communication, effective conflict management, and cultivating a positive attitude. Students will also learn to develop interpersonal and self-management skills for creating a professional image, preparing them for success in today's workplace.

BCIS-46 Business Math Calculations (2.00 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 51.00 Contact hours/51.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
In this course, students use the features of a business ten-key calculator to solve business math problems including banking, payroll, invoicing, markups/markdowns, interest, present and future value, credit cards, student loans, types of insurance, installment buying, and mortgages. Students will develop ten-key speed and accuracy using the touch method.

BCIS-50 Office Administration (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course encompasses and integrates the complex and varied technical, procedural, and communication skills required of today's administrative professional. An emphasis will be placed on workplace ethics, human relations, effective communication, time management, and customer service. Additionally, students will engage in discussions about the common procedures practiced in today's offices including but not limited to managing physical and electronic records, planning and scheduling meetings and events, coordinating business travel, and managing financial documents. Finally, students will create professional-level job application materials and develop interviewing skills.

BCIS-51 Records Management (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces legal terminology, use of various legal documents and correspondence, how to navigate the court system and triage clients and their needs. 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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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, criminal, probate, and corporate law.

BCIS-70 Adobe Acrobat Professional (1.00 units)
Transfer Status: CSU
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course introduces students to the current version of Acrobat Pro DC software's major features. Coverage includes interacting with PDFs using multiple devices, creating, scanning, converting, editing, sharing, signing, protecting, & standardizing PDFs. Additionally, ensuring accessibility, applying Bates numbering, redacting sensitive information, and preparing fillable forms will also be covered. (C-ID BSOT 125X).

BCIS-81 Microsoft Excel for Business (1.00 units)
Transfer Status: CSU
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers a recent version of Microsoft Excel (full desktop version) for students who have an understanding of computers and desire comprehensive knowledge of spreadsheets. Course content includes creating, formatting, and maintaining worksheets; using logical and financial formulas and functions; creating and modifying charts; using visual enhancements; working with tables and data tools; creating xlookup reference functions; and creating pivot tables.

BCIS-97 Special Problems-BCIS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

BCIS-99 Work Experience-BCIS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

BIOL-Biological Sciences

BIOL-1 Introduction to Biology (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is an introduction to the basic principles of biology, focusing on the flow of genetic information through cells and generations and the flow of energy through cells and ecosystems. Topics include processes of science, cell structure and function, genetics, molecular biology, evolution, ecology, and a survey of the diversity of life. An emphasis is placed on the critical analysis of current biological issues, including threats to biodiversity and applications of biotechnology in agriculture and medicine.

BIOL-2 Introduction to Human Biology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 genetics, heredity and evolution, and human ecology. An emphasis is placed on the application of principles to current issues, including common human diseases and the impact of humans on the world's ecosystems.

BIOL-5 Ecology and Field Biology (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 observe 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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to basic biological principles and how each of these principles apply to current events. Biological principles include the scientific method, biological chemistry, cellular structure and internal mechanisms, genetics, evolution, and ecology. Topics covered will follow a predetermined theme in biology.

BIOL-10 Survey of Human Systems (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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-15 Introduction to Microbiology (4.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 1 or CHEM 51 and One year high school biology or BIOL 1 or BIOL 2 or BIOL 20 or BIOL 21
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 119.00 Contact hours/85.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course includes the study of the structure and function of viruses, bacteria, fungi and protists, 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. Graded only.

BIOL-20 Human Anatomy (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: BIOL 20 and CHEM 1 or CHEM 51
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (1.50 units)
Transfer Status: CSU
Prerequisite: BIOL 20
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 42.50 Contact hours/34.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
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-41 Cell and Molecular Biology (5.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 1 and Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course is an introductory study of prokaryotic and eukaryotic cell structure and function as well as basic viral structure and reproduction. Attention is given to life processes within cells and to interactions between cells. Coverage includes experimental design and statistical analysis; basic biotechnology concepts and techniques; DNA structure, function, and gene expression; enzyme function; energetics; nutrient cycles in ecosystems; transport mechanisms; cytoskeletal components; cell communication (including nerve impulse conduction and signal transduction); cell reproduction; Mendelian and population genetics; cell evolution; and modern concepts of molecular biology. This course is designed for biology majors. (C-ID BIOL 190/BIOL 135S).

BIOL-42 Organismal Biology (5.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course is intended for majors and includes a survey of the biology and diversity of organisms and emphasizes classification, structure and function of organisms. (C-ID BIOL 130S/BIOL 135S).

BIOL-43 Ecology and Evolution (5.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course, intended for majors, examines the basic principles governing evolution of organisms and interactions between organisms and the environment, and emphasizes ecological principles and mechanisms of evolution. (C-ID BIOL 130S/BIOL 135S).

BIOL-95 Special Studies-BIOL (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

BIOL-99 Work Experience-BIOL (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

BUS-Business

BUS-8 Introduction to Business Law (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes. (C-ID BUS 125).

BUS-20 Introduction to Business (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Introduction to Entrepreneurship (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-35 Leading and Supervising Teams (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course invites current and future managers to build foundational skills for leading teams of employees in a diverse, multicultural work environment. The focus is on self-assessment, analyzing to understand work situations, as well as developing leadership skills and strategies. This course emphasizes individual factors impacting success including communication skills, conflict resolution, motivation, decision making, leadership style, and business ethics.

BUS-40 Introduction to Management (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines managerial concepts, approaches and tools relevant for organizations operating in today's dynamic, technology-infused and globally-competitive business environment. Focus will be placed on three fundamental management functions: planning, organizing and controlling within an ethics and contingency management framework. Students will explore established perspectives and guidelines as they develop competencies to assist managers in understanding and addressing organizational problems.

BUS-44 Human Resource Management (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-46 Project Management (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is intended to prepare students to become entry-level project managers. Project Management professionals focus on project scope, procurement, time, risk, cost, quality, human resources, communication, and integration management. Students will learn to manage projects in a variety of industries with hands-on training, tools, and techniques that can be applied immediately in the job market.

BUS-50 Sales Strategies (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Promotion (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to the function of promotion in relation to business and society. It looks at promotion as a social and economic institution. Emphasis is placed on integrating marketing communications across multiple platforms including social media and other online spaces to achieve the organizations objective.

BUS-62 Money & Happiness: Cultural, Psychological and Economic Factors (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course integrates practical financial decision making with the social, psychological, and physiological contexts in which decisions are made. Students will examine the role of money in their lives, set personal goals, and develop plans to meet those goals. Topics include cultural attitudes and beliefs about money, money and relationships, money personalities, consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes.

BUS-64 Principles of Marketing (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course explores the nature, function and importance of marketing. It focuses on conducting opportunity analysis, assessing consumer behavior, engaging in marketing research, and target marketing as the basis for devising marketing objectives and plans. Students will develop and assess marketing strategies to meet the needs of consumer and Business-to-Business (B2B) target markets using the "4 P's": product, promotion, price and place. The emphasis is on ethics, needs-satisfaction, and relationship marketing in today's global, technology-infused, competitive environment.

BUS-68 Web Marketing (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

BUS-99 Work Experience-BUS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

CDF-Child Development and Family Relations

CDF-12 Child, Family, and Community (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an understanding of the processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. (C-ID CDEV 110).

CDF-14 Child Growth and Development (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (C-ID CDEV 100).

CDF-18 Children with Special Needs (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers issues related to children with varying abilities ages birth through eight. Exploring first the history of related legislation and referral process, teaching practices, philosophies of inclusion intervention methods, and then working respectfully with families. Observations in public or private child development centers or schools are required.

CDF-30 Adult Supervision and Mentoring in Early Care and Education (2.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course examines methods and principles of supervising student teachers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders.

CDF-40 Observation and Assessment (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences is emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. (C-ID ECE 200).

CDF-44 Guiding Children's Behavior (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course focuses on understanding children's behavior to develop strategies that foster healthy social and emotional development. Based on observation and assessment, students will explore techniques for creating individualized and strengths-based interventions, and for establishing relationships that promote a positive learning community in which all children feel safe, valued, and respected. There will also be a focus on applying guidance theories that help support pro-social behavior while considering the child's developmental level as well as family and cultural contexts.

CDF-48 Principles and Practices of Teaching Young Children (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a study of the historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development. (C-ID ECE 120).

CDF-56 Prenatal, Infant, and Toddler Development (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course explores prenatal, infant and toddler development, including physical, cognitive, language, social and emotional growth and development. Students will apply theory and practice to interpret behaviors and interactions between heredity and environmental factors while emphasizing the role of family and relationships in early childhood development.

CDF-57 Teaching in a Diverse Society (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course presents an examination of the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences. Strategies for developmentally-, culturally-, and linguistically-appropriate anti-bias curricula will be explored, as well as approaches to promote inclusive and anti-racist classroom communities. This course places emphasis on self-reflection of the influence of teachers' own cultures and life experiences on teaching and interactions with children and families. (C-ID ECE 230).

CDF-63 Introduction to Early Childhood Education Curriculum (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an exploration of developmentally appropriate curricula and environments for children from birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curricula in all content areas to support children's development and learning in indoor and outdoor settings. (C-ID ECE 130).

CDF-65 Infant/Toddler Curriculum (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course applies current theory and research to the care and education of infants and toddlers in group settings. The essential policies, principles, and effective practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months are also examined.

CDF-78 Early Childhood Education Practicum (3.00 units)
Transfer Status: CSU
Prerequisite: 12 units from, CDF 12, CDF 14, CDF 18, CDF 40, CDF 48, CDF 56, CDF 57, CDF 63, CDF 65, CDF 80
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides hands-on experience with developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will use practical classroom experiences to connect theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. The course includes exploration of career pathways, professional development, and teacher responsibilities. (C-ID ECE 210).

CDF-80 Health, Safety and Nutrition (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a study of laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children from birth through middle childhood. It includes the teacher's role in prevention strategies, nutrition and meal planning, integration of health, safety and nutrition experiences into daily routines, and overall risk management. (C-ID ECE 220).

CDF-84 Administration I: Programs in Early Childhood Education (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-88 Environmental Rating Scales (1.50 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course will increase the knowledge and skills for providers and teachers using Environmental Rating Scales. These rating scales are used by early childhood education programs to complete a self-study and assessment for quality environments. An emphasis will be placed on learning the criterion and applying fundamental course concepts.

CDF-91 Parenting in Today's Society (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course applies child development research to inform best parenting practices. Students will learn about social and cultural trends of parental practices including the usage of community resources. Topics covered include parenting styles, education, physical/social-emotional and sexual abuse, substance abuse, youth culture, media impact and parenting a special needs child.

CDF-93 Strengthening Families (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the roles and responsibilities of professionals collaborating with families. An emphasis is placed on current trends and issues with families parenting children between the ages of 0 to 13 years of age. Topics include family growth and development, family structures, challenges confronting the contemporary family, and strategies to strengthen families.

CDF-97 Special Problems-CDF (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

CDF-99 Work Experience-CDF (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

CDF-331 ECE Mentor Director and Teacher Seminar (0.00 units)
Transfer Status: NT
Lecture: 16.00 Contact hours/0.00 Out of class hours/16.00 Total hours/0.00 Unit(s)
This course provides an opportunity for early childhood mentor directors and teachers to discuss current issues related to their role as supervisors of early childhood student teachers, plan in-service activities and provide professional support for one another. Unlimited repeats. Ungraded. Open Entry/Open Exit.

CDF-388 Environmental Rating Scales (0.00 units)
Transfer Status: NT
Lecture: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.00 Unit(s)
This course will increase the knowledge and skills for providers and teachers using Environmental Rating Scales. These rating scales are used by early childhood education programs to complete a self-study and assessment for quality environments. An emphasis will be placed on learning the criterion and applying fundamental course concepts. Ungraded.

CHEM-Chemistry

CHEM-1 General Chemistry I (5.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 11 or CHEM 51 or one year of high school Chemistry; and Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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. Graded only. (C-ID CHEM 110/CHEM 120S).

CHEM-2 General Chemistry II (5.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 1
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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. Graded only. (C-ID CHEM 120S) (C-ID CHEM 120S = CHEM 1 and CHEM 2).

CHEM-11 Introduction to Chemistry (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course will develop the language of chemistry and quantitative agility needed as a foundation for experimental laboratory work and problem solving in the chemical sciences. It will include a survey of essential chemistry topics (e.g. the periodic table, nomenclature, chemical reactions, stoichiometry, bonding, and solution chemistry) along with fundamental laboratory skills (e.g. observation, analysis, measurements and uncertainty, dilutions and lab safety). This course is intended as preparation for CHEM 1 students who did not successfully complete high school chemistry. Graded only.

CHEM-21 Organic Chemistry I (5.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 2
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This is the first semester of a one-year course in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, and pre-medicine). 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. Graded only. (C-ID CHEM 150/CHEM 160S).

CHEM-22 Organic Chemistry II (5.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 21
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This is the second semester of the one-year course in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, and pre-medicine). 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. Graded only. (C-ID CHEM 160S) (C-ID CHEM 160S = CHEM 21 and CHEM 22).

CHEM-51 Elementary Inorganic Chemistry (5.00 units)
Transfer Status: CSU/UC
Prerequisite: Beginning Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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. Graded only. (C-ID CHEM 101).

CHEM-52 Elementary Organic and Biochemistry (4.00 units)
Transfer Status: CSU/UC
Prerequisite: CHEM 51
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is a survey of organic and biochemistry for nursing majors and other allied health fields. Topics include general organic chemistry and biological chemistry as they apply to living systems. The laboratory component will support the course topics including both qualitative and quantitative experiments, and analysis of data. Graded only. (C-ID CHEM 102).

CHEM-95 Special Studies-CHEM (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

CHIN-Chinese

CHIN-1 First Semester Chinese (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: CHIN 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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.

CLP-Career Life Planning

CLP-30 Career Life Planning (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-101 Career, Education and Life Choices (3.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This is an introductory personal development course where students learn the skills for goal setting, budget projection, career and educational research, decision-making, and personal management. The course culminates in a 10-year action plan to fulfill educational and career goals.

CMST-Communication Studies

CMST-4 Small Group Communication (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides students with the foundational knowledge and practice of speech making in a democratic society, while simultaneously emphasizing theory and research about communication in a variety of small group contexts. This course exposes students to rhetorical theory, small group theory and public speaking fundamentals within the context of their interpersonal interactions, group communication processes, and live presentations (including informative and persuasive speeches). Students will learn historical roots and key rhetorical theories that ground the study and practice of public speaking, and be able to discover, develop and critically analyze ideas and information in public discourse. Students will also explore and evaluate group communication processes, including problem-solving, conflict management, decision-making and leadership. (C-ID COMM 140).

CMST-6 Oral Interpretation (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. It introduces students to performance studies including analysis, appreciation, and application of theories of interpretative performance of various forms of literature, such as poetry, prose, and drama (plays, scripts, and screenplays). Students will demonstrate an understanding of what constitutes good literature, in terms of its philosophical, historical, literary, and cultural importance. Student analysis and interpretation will involve identifying a text's premises and assumptions in various social, historical, cultural, psychological, or aesthetic contexts. (C-ID COMM 170).

CMST-9 Intercultural Communication (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an introduction to intercultural communication in domestic and/or global contexts. Students will develop knowledge, attitudes, and skills to become more effective intercultural communicators. Students will explore the influence of cultures, languages, and social patterns on how members of groups relate among themselves and with members of different ethnic and cultural groups. The course also focuses on the theory and knowledge of effective communication within and between cultures, as well as the appreciation and comparison of communication among diverse groups within the larger context of American culture. (C-ID COMM 150).

CMST-10 Interpersonal Communication (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines interpersonal communication theory and research as a framework for understanding and explaining human interaction in a variety of social contexts, including contexts arising from personal, professional, familial and romantic relationships. The interdisciplinary field of interpersonal communication draws from psychology, sociology, cultural studies, gender studies and communication studies to understand and analyze individual and group communication behavior and how that behavior influences and is influenced by social realities and institutions (e.g. the family, the workplace). (C-ID COMM 130).

CMST-12 Forensics (Speech and Debate) (3.00 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 and intercollegiate speech and debate tournaments. Community events, as well as forensics events, such as debate, platform, limited preparation, oral interpretation, and readers' theatre are emphasized. This course may be repeated 3 times. (C-ID COMM 160B).

CMST-13 Gender and Communication (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: ENGL C1000 or ENGL C1000E
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course emphasizes critical thinking, for purposes of constructing, evaluating and revising written essays in preparation for debate, grounded in the rhetorical foundations of argumentation. Students will employ argumentation theory and critical reasoning to draft and revise a sequence of argumentative essays based on inquiry-driven research, methods of analysis, evidence use, and ethical advocacy (minimum 5,000 words). This writing instruction will enable students to prepare persuasive cases that advance, defend and refute reasoned positions, which will also be delivered through debate and public address. (C-ID COMM 120).

CMST-95 Special Studies-CMST (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

CNST-Construction

CNST-1 Introduction to Construction (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to teach students a broad overview of the construction industry and the opportunities available in this field. Emphasis will be on developing an understanding of the trades, processes, terminology, practices, and documents in the construction field. The student will be introduced to time, equipment, and materials and their relationship to estimating, cost, and performance.

CNST-5 Plans, Specifications, & Surveying (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will introduce students to reading construction documents and specifications used in civil, residential, commercial, industrial, and specialty construction. The correlation of plans and specifications to the contract documents will be introduced, as well as the use of the plans for material takeoff. The introduction to surveying will cover fundamental surveying methods, field practices in measuring, note taking/mapping, and staking.

CNST-10 Properties and Applications of Concrete (4.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is a study of various types of concrete materials and applications. The students will learn about concrete production, transportation, forming, reinforcing, placing, consolidating, jointing, finishing, and curing. The students will be introduced to foundations, pavements, slabs on grade, structural concrete, and tilt-up/pre-cast concrete. Quality control, quantity take-off, and estimating will be included throughout as they relate to each topic.

CNST-15 Materials and Methods of Construction (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
A comprehensive study of the principle building materials and systems that are found in the construction industry. An in-depth review of how these materials and systems interact together to produce a complete design and project. The class highlights upon materials testing, quality control, green building products, and various project delivery methods.

CNST-20 Foundations and Concrete Structures (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a comprehensive study of foundations and structures. Students will learn to analyze the practical applications of foundations/structures and the corresponding layout, excavation, form system, and material placement. Modern methods of material delivery and placement for foundations/structures and their forming system are studied and practiced.

CNST-21 Analysis of Construction Drawings and Specifications (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an advanced study of reading construction documents and specifications used in civil, residential, commercial, industrial, and specialty construction. The correlation of plans and specifications to the contract documents will be reinforced, as well as the use of the plans for material takeoff. The student will be introduced to the use of plans and specifications for materials quantity takeoff and the correlation to the project estimate.

CNST-25 Construction Framing (4.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is a study of the theory and practical applications of framing in modern construction of residential and commercial buildings. The students will learn safety as it relates to framing construction and the tools and processes used. The sequence and technique of layout, material selection, and construction will be studied and applied.

CNST-30 Interior and Exterior Finishes (4.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is a study of the application of interior and exterior finishes common to residential, commercial, and industrial construction. Finish materials will be analyzed for purpose, cost, and ease of installation technique.

CNST-35 Electrical and Mechanical Systems (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to Mechanical, Electrical, and Plumbing Systems and the integration of these systems into the building design and construction process.

CNST-40 Construction Cost Estimating I (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to cost estimation in construction. The techniques, organization, and forms utilized in the various construction trades will be analyzed and practiced. The student will learn the procedures for quantity take-off, productivity calculation, bid tabulation, and the formulation of basic overhead and profit calculations through practical applications.

CNST-45 Construction Graphics (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a study of construction graphics as a representation of our built environment with the ability to communicate 3D forms and ideas through 2D representations and 3D computer models. The focus is on the development of the graphic communication skills needed by the construction professional by establishing a working vocabulary of symbols, details, and views used in construction drawings through lecture and practical application. Students will learn techniques of basic sketching and visualization, as well as an introduction to computer aided drafting and modeling using Sketch-up, Revit, and Navisworks (3D modeling and viewing software tools).

CNST-55 Computer Applications in Construction Management (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Coursework introduces foundational technical computing for Construction Managers. It introduces commercial software commonly used in the management and control of construction projects. Application areas include office suite programs, paperless workflows, estimating, and scheduling.

CNST-97 Special Problems-CNST (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

CNST-99 Work Experience-CNST (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

COMM-Communication Studies

COMM-C1000 Introduction to Public Speaking (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. (C-ID COMM 110).

COS-Cosmetology

COS-10 Health, Safety and Sanitation Theory (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will teach standard health, safety, and sanitation practices in Cosmetology, Barbering, Manicuring, and Esthetics. Students will understand agency standards and state board requirements for beauty professionals servicing the general public.

COS-11 Health, Safety and Sanitation Practicum (1.00 units)
Transfer Status: CSU
Prerequisite: COS 10 (or concurrent enrollment)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course will teach procedural application of standard health, safety, and sanitation practices in Cosmetology, Barbering, Manicuring, Hairstyling and Esthetics. Emphasis will be placed on the practice of Disinfection and Health standards required by the California State Board of Barbering and Cosmetology for practice and licensing in the beauty industry. Students will practice and demonstrate State Board disinfection and sanitation for beauty professionals while servicing the public. This course is designed toward preparation for the California Board of Barbering and Cosmetology exam.

COS-12 Manicuring and Pedicuring (3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course students will develop and demonstrate proficiency in basic nail procedures. Topics are to include analyzation, treatment, creation, maintenance and removal of nail enhancements, including gel polish, wraps, repairs, acrylic and UV light cured gel enhancements. Students will work towards California State Board of Barbering and Cosmetology minimum practical hours and operations in subjects learned. This is a foundational course in the Cosmetology and Manicuring sequences.

COS-14 Hair Removal (1.50 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
In this course, students will develop and demonstrate various temporary hair removal methods. Emphasis is placed on client consultation for hair removal service, creating a plan for the client's hair removal needs, client comfort and safety, and following health and safety guidelines. Practical and technical instruction will be applied towards the curriculum minimum requirements to qualify for a Board examination.

COS-17 Trimming and Shaving I (4.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This fundamental course will introduce students to basic skills in beard trimming and shaving. Emphasis is placed on health and safety, Board of Barbering and Cosmetology standards, facial hair design, razor techniques, and equipment maintenance. Students will continue to work towards achieving the minimum hour requirements of California State Board of Barbering and Cosmetology practical operations in subjects learned.

COS-19 Hair Styling Services I (4.00 units)
Transfer Status: CSU
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
In this course, students will develop and demonstrate fundamental hairstyling and haircutting skills. Emphasis is placed on State Board standards in client draping, shampooing and conditioning, fundamentals of hair design, and basic haircutting and basic hairstyling techniques. Students will practice and demonstrate State Board disinfection and sanitation techniques for beauty professionals while servicing the public. This course is designed toward preparation for the California State Board of Barbering and Cosmetology exam and is a fundamental course in the Cosmetology, Barbering or Hairstyling program sequences.

COS-20 Chemical Hair Services Theory (3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, students learn and develop an understanding and knowledge of the basic theoretical concepts that govern and guide salon-industry related chemistry, chemical texture services, and the fundamentals of haircoloring. Topics such as Chemistry, Safety, Haircolor and Chemical Texture applications will be covered. Students will work towards the California State Board of Barbering and Cosmetology minimum hours and practical operations in subjects learned. Theoretical instruction will be applied towards the curriculum minimum requirements to qualify for a Board examination.

COS-21 Chemical Hair Services Practicum (5.00 units)
Transfer Status: CSU
Prerequisite: COS 20 (or concurrent enrollment)
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
In this course students will develop and demonstrate understanding and practice of the basics of chemistry, chemical texture services, and the fundamentals of haircoloring. Students will work towards California State Board of Barbering and Cosmetology minimum practical operations in the subjects learned. This course is an integral class in the Barbering and Cosmetology program sequences.

COS-23 Skin Care (4.00 units)
Transfer Status: CSU
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course will develop the knowledge and skills necessary to understand the nature of skin care and show proficiency in skin-related services. Topics include skin disorders and diseases, skin structure, growth and nutrition, advanced skin care, facials and lashes, to include lash lifting, coloring and lash extensions. Students will work towards California State Board of Barbering and Cosmetology minimum requirements and hours in subjects learned. This course is part of the Cosmetology and Barbering sequences, and foundational in the Esthetics course sequence.

COS-27 Trimming and Shaving II (4.00 units)
Transfer Status: CSU
Prerequisite: COS 17
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is the capstone course for the Barbering program. Students will practice and refine foundational practices, skills in beard trimming and shaving. Emphasis is placed on health & safety, facial-hair design, razor techniques for advanced trimming and shaving. Students will continue to work towards achieving the requirements of California State Board of Barbering and Cosmetology practical operations in subjects learned.

COS-29 Hair Styling Services II (3.00 units)
Transfer Status: CSU
Prerequisite: COS 19
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, students will expand and cultivate skills in haircutting and hairdressing. Topics will include client consultation, applying required health, safety and disinfection protocols, advanced haircutting techniques and formal hairstyling training. Students will work towards California State Board of Barbering and Cosmetology minimum hours in subjects learned. This course is an advanced course in the Cosmetology and Hairstyling program sequences.

COS-32 Advanced Manicuring and Pedicuring (2.00 units)
Transfer Status: CSU
Prerequisite: COS 12
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
In this course students will perform advanced nail services on clients. Services include manicuring, pedicuring, safe use of manicuring equipment, nail enhancements and extensions, and safe removal of nail enhancements, acrylic, wraps and gel polish. Students will work towards California State Board of Barbering and Cosmetology practical operations and hours in subjects learned. This course is a capstone course in the Manicuring sequence.

COS-39 Advanced Hair Styling Services (4.00 units)
Transfer Status: CSU
Prerequisite: COS 29
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
In this course, students will further expand and cultivate skills in haircutting and hairdressing. Topics will include client consultation, applying required health, safety and disinfection protocols, advanced haircutting techniques and formal hairstyling training. Students will work towards California State Board of Barbering and Cosmetology minimum hours in subjects learned. This course is an advanced course in the Cosmetology and Hairstyling program sequences.

COS-300 Cosmetology Practicum (0.00 units)
Transfer Status: NT
Prerequisite: Permission of instructor
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/0.00 Unit(s)
This course is designed to prepare students and former students to sit for and successfully take California State Board Licensure Exams for Barbering, Cosmetology, Manicuring and Esthetics. This course reviews and reinforces the skills, knowledge and requirements demanded by the State Board of Barbering and Cosmetology for licensure. This course also offers additional guidance and tutoring in Barbering, Cosmetology, Manicuring and Esthetics concepts in preparation for State Board Exams. Practical and technical instruction will be applied towards the minimum 1,000-hour requirement to qualify for the board examinations. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-Community Partners in Education

CPE-308 Functional Academics for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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. Topics include reading comprehension, writing skills, mathematical skills, money management, daily living skills and self-advocacy. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-310 Integration into the Community for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Integration into the Community will focus on learning how to become a part of the community and will include social skills, communication skills, problem solving skills, personal safety skills and increasing stamina and endurance for walking or wheeling self safely while navigating uneven terrain in the community. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this program. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-311 Horticultural Arts for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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, identifying the components of the garden, and how to utilize the vegetables and flowers to enhance daily living activities. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-312 Applied Arts for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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 creative expression. Topics will include stained glass, ceramics, beading and jewelry making, woodworking, and fabric art. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-313 Fine Arts for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Fine Arts focuses on learning to utilize a variety of art media to enhance creative expression. Topics will include drawing (pencil, charcoal, pastels, pen and ink, etc.), painting (watercolor, acrylic, oil, etc.) and creating individual works of art which can be shown in local venues. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-314 Performing Arts for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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.

CPE-315 Culinary Arts and Nutrition Skills for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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 understanding safe cooking practices. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this program. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-316 Health and Wellness for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
This course is designed for persons with substantial disabilities attending a facility in the community generally known as a day activity center. Health and Wellness focuses on interpersonal skills development through physical and behavioral techniques. Topics include problem solving, breathing and relaxation techniques, attention and focus, sensory awareness, utilization of all five senses, social and personal adjustment, self-advocacy for fostering independence, fine and gross motor skills, and personal care and hygiene. An individual assessment of motor communication and self-help learning needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CPE-318 Communication Skills for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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.

CPE-320 Independent Living Skills for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
This course provides independent living training for persons with substantial disabilities. Independent Living Skills focuses on establishing and maintaining a positive lifestyle and progressing to the highest possible level of independent functioning 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.

CPE-322 Group Social Growth for Persons with Substantial Disabilities (0.00 units)
Transfer Status: NT
Lab: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
This course provides group socialization training for persons with substantial disabilities through group interaction and activities. Group Social Growth focuses on team building skills, interacting in group settings, and promoting companionship. Topics include group socialization, group timelines, financial obligations, self-advocacy in groups, safety, and community resource assistance. An individual assessment of needs as well as an ongoing Individual Service Plan (ISP) is a component of this course. The ISP will dictate the number of hours each student will spend in this course. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

CSCI-Computer Science

CSCI-2 Business and Computer Information Systems (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an examination of information technologies and information systems used in business. It focuses on information systems, database management systems, networking, ethics and security, computer hardware, and software applications and development. It applies these concepts and methods through hands-on projects developing computer-based solutions to business problems. (C-ID ITIS 120).

CSCI-4 Introduction to Programming Concepts and Methodologies (3.00 units)
Transfer Status: CSU/UC
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: CSCI 20
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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+ (3.00 units)

Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-18 Ethical Hacking (3.00 units)

Transfer Status: CSU
Prerequisite: CSCI 17 or Security+ Certification, or department approval
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Introduction to the principles and techniques associated with the cyber security red team penetration testing or ethical hacking. The course covers planning, scoping, reconnaissance, scanning, exploitation, post-exploitation, and result reporting documentation. The student discovers how system vulnerabilities can be exploited and how to implement and secure systems to avoid problems. This course prepares students for the globally recognized CompTIA PenTest+ Certification test.

CSCI-19 Computer Networking Fundamentals (3.00 units)

Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, implement Internet Protocol (IP) and enterprise technologies, including cloud and virtualization. Students will apply the knowledge and skills required to troubleshoot, configure, and manage common network devices; establish basic network connectivity; and implement network security, standards, and protocols. Preparation for the CompTIA Network+ certification exam. A virtualized lab component using NDG NETLabs+ will be included. (ITIS 150).

CSCI-20 Programming and Algorithms I (3.00 units)

Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)

Transfer Status: CSU/UC
Prerequisite: CSCI 20
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)

Transfer Status: CSU/UC
Prerequisite: CSCI 20 and MATH 13 or MATH 13s or MATH 26 or MATH 26s or MATH 28 or MATH 28s
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the discrete structures used in Computer Science, with an emphasis on their applications. Topics covered include functions, relations and sets, basic logic, proof techniques, basics of counting, graphs and trees, and discrete probability. (C-ID COMP 152).

CSCI-23 Systems Analysis and Design (3.00 units)

Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. (C-ID ITIS 140).

CSCI-24 CompTIA Advanced Security Practitioner+ (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 18 or department approval
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, the student will continue to develop and apply critical thinking and judgement in complex security environments. Topics includes enterprise security, risk management and incident response, research and analysis, integration of computing, communications and business disciplines as well as technical integration of enterprise components. This course prepares students for the globally recognized CompTIA CASP+ Certification test.

CSCI-25 Linux 1 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course students learn the fundamental concepts of the Linux operating system and the basic skills needed to work productively on a Linux system. Topics covered include installation, basic configuration, and package management, fundamental command-line tools, text editing with the vi (visual editor), the File Hierarchy Standard (FHS), processes, and permissions. Students will configure, script, and work exclusively in a shell (text-based, command-line) environment. This course prepares students for the globally recognized LPIC1-101 Certification test.

CSCI-26 Linux 2, System Administration (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 25
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course students learn how to perform basic administration of a multiuser Linux system. Topics include customizing the user environment, user administration, essential system services, networking, and security. Students will perform all essential tasks of a system administrator on a modern Linux distribution. This course prepares students for the globally recognized LPIC1-102 Certification test.

CSCI-31 Web Development I (3.00 units)
Transfer Status: CSU/UC
Prerequisite: CSCI 4 (or concurrent enrollment) or CSCI 20 (or concurrent enrollment)
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to web development using HyperText Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript. Students will learn to design and build standards-compliant front-end/client-side web applications using current technologies and methodologies.

CSCI-32 Web Development II (3.00 units)
Transfer Status: CSU/UC
Prerequisite: CSCI 31
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course students learn to develop applications for the World Wide Web. Topics include the fundamentals of web server platforms, programming languages for web development, using databases to persist information for a web application, and web application frameworks. Students will design, implement, and deploy a complete web application using a current programming language, database technology, and web server.

CSCI-36 Programming Project (2.00 units)
Transfer Status: CSU
Prerequisite: CSCI 21
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This is a capstone programming project course integrating software engineering processes, project management, and computer programming skills. Topics include problem formulation, requirements elicitation, design, tools and frameworks, implementation and testing, version control, integration, and documentation. Emphasis will be placed on teamwork to design, develop, and deliver software projects that solve specific problems.

CSCI-40 Cisco Networks Level I (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The first course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum introduces the architectures, models, protocols, and networking elements that connect users, devices, applications and data through the Internet and across modern computer networks - including IP addressing and Ethernet fundamentals. By the end of the course, students can build simple local area networks (LAN) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches.

CSCI-41 Cisco Networks Level II (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 40
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The second course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLAN) and security concepts. Students learn key switching and routing concepts. They can perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN.

CSCI-42 Cisco Networks Level III (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 41
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The third course in the globally recognized Cisco Certified Networking Associate (CCNA) curriculum describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. This course covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Students gain skills to configure and troubleshoot enterprise networks, and learn to identify and protect against cybersecurity threats. They are introduced to network management tools and learn key concepts of software-defined networking, including controller-based architectures and how application programming interfaces (APIs) enable network automation.

CSCI-49 PCs and Peripherals/A+ (4.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 119.00 Contact hours/85.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level Information & Communication Technology (ICT) professionals. The fundamentals of computer hardware and software as well as advanced concepts such as security, networking, cloud computing, and the responsibilities of an ICT professional will be introduced. A special emphasis is placed on software, hardware, and network troubleshooting techniques. This course is intended to help students prepare for the CompTIA A+ certification exams. (C-ID ITIS 110).

CSCI-50 CompTIA Cloud+ (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will give students the skills necessary to evaluate and implement standard cloud deployments. Students will use cloud technologies, including network, storage, and virtualization components, to create cloud solutions. Students will also manage workload migrations, manage cloud vendors to control costs, use automation and orchestration to bring business value from cloud solutions, and ensure cloud security. This course provides full coverage of the objectives for the CompTIA Cloud+ certification and will help prepare students to take the exam.

CSCI-51 IT Fundamentals+ (1.50 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course will introduce students to some of the basic skills and frameworks of modern computing. It will include an overview of information technology infrastructure, software development, database use, installation of software, establishing basic network connectivity, and identifying/preventing basic security risks.

CSCI-52 IT Support Professional (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This is a 5-module industry certification program to prepare for an entry-level customer support job in IT. It will provide an understanding of the soft skills required for customer service and technical support fundamentals, computer networking, being an operating systems power user, basics of systems administration and supporting infrastructure services, and IT security.

CSCI-53 Server Administration (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 49 or Current A+ Certification or Department approval
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will teach the skills necessary for server administrators and data center technicians to deploy, maintain, and troubleshoot servers. It will include installation and configuration, server hardening and security, troubleshooting, backups, disaster recovery, and high availability concepts.

CSCI-65 Microsoft SQL Database Administration (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 49
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course addresses database management, both on-premises and cloud-based, along with different approaches for storing data. In the course, students define, develop, operate, and scale both Structured Query Language (SQL) and noSQL data storage solutions and basic related applications. This course considers strategic, operational, and ethical factors that should be balanced during the design of a storage solution. Students will apply principles using a common Relational Database Management System and SQL to create and fill tables, and to retrieve and manipulate data. Object-based APIs and noSQL solutions will be covered. Topics include automated backups, transaction logs, restoration, and retention. (C-ID ITIS 180).

CSCI-76 Windows Hybrid Infrastructure and Services (3.00 units)
Transfer Status: CSU
Prerequisite: CSCI 49 or Current A+ Certification or Department approval
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course prepares students to configure advanced Windows Server services using on-premises, hybrid, and cloud technologies. Students will gain expertise in implementing and managing on-premises and hybrid solutions, including performing tasks related to security, migration, monitoring, high availability, troubleshooting, and disaster recovery. They will deploy, manage and secure Active Directory on-premises and in the cloud, manage server workloads and network infrastructure in a hybrid environment. Students will use administrative tools and technologies, such as Windows Admin Center, PowerShell, Azure Arc, Azure Automation Update Management, Microsoft Defender for Identity, Azure Security Center, Azure Migrate, and Azure Monitor.

CSCI-97 Special Problems-CSCI (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

CSCI-99 Work Experience-CSCI (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

CSL-Counseling

CSL-20 Identity, Culture and Education (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Students will address the challenges and transitions associated with life and the college years. Issues related to diversity, gender and how each influences the individual and group physically, socially, personally, and educationally will be studied. This class will examine the psycho-social issues and the development of individual identities to advance learning in all American communities. Students will be exposed to educational theories that affect college students. Community and campus resources will be utilized to support students in their learning and development as a whole person. Emphasis will be placed on the importance of understanding and balancing all aspects of self.

CSL-95 Special Studies-CSL (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

DFT-Drafting

DFT-2 Engineering Graphics I (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Students will learn to read and interpret drawings and specifications used in construction and architectural applications. Topics include line types, views, dimensions, symbols, sketching, materials, specifications, and estimating. Students will use construction prints, drawings and specifications including residential and non-residential applications.

DFT-8 Engineering Graphics II (3.00 units)
Transfer Status: CSU
Prerequisite: DFT 2
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: DFT 45
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

DFT-99 Work Experience-DFT (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

DRAM-Drama

DRAM-2 Introduction to Theatre (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to 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. (C-ID THTR 111).

DRAM-8 Acting I (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Acting family. See Courses/Course Families for more information.

DRAM-9 Acting II (3.00 units)
Transfer Status: CSU/UC
Prerequisite: DRAM 8
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course follows Acting I and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes. (C-ID THTR 152).
Course families are groups of active participatory courses that are related in content. This course is part of the Acting family. See Courses/Course Families for more information.

DRAM-10 Rehearsal and Performance for Musical Theatre (3.00 units)
Transfer Status: CSU
Corequisite: DRAM 19
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Students are selected by audition.
Course families are groups of active participatory courses that are related in content. This course is part of the Theatre Performance: Musical family. See Courses/Course Families for more information.

DRAM-12 Rehearsal and Performance in Production (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Activity: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides instruction and supervised participation in theatre rehearsal and performance. This course may be repeated 3 times to meet the requirements of the AA-T in Theatre Arts. (C-ID THTR 191).
Course families are groups of active participatory courses that are related in content. This course is part of the Theatre Performance family. See Courses/Course Families for more information.

DRAM-14 Technical Theatre in Production (3.00 units)
Transfer Status: CSU/UC
Activity: 102.00 Contact hours/51.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. This course may be repeated 3 times to meet the requirements of the AA-T in Theatre Arts. (C-ID THTR 192).
Course families are groups of active participatory courses that are related in content. This course is part of the Theatre Production family. See Courses/Course Families for more information.

DRAM-15 Costume Construction I (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-21 Introduction to Theatre Design (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. Students will engage in theoretical discussions and review artistic pursuit in lighting design, as well as participate in "hands-on" activities in a practical setting. (C-ID THTR 173).

DRAM-95 Special Studies-DRAM (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

DRAM-312 Rehearsal and Performance in Production (0.00 units)
Transfer Status: NT
Prerequisite: Audition required
Activity: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/0.00 Unit(s)
This course provides instruction and supervised participation in theatre rehearsal and performance. This course is intended for older adults. Unlimited repeats. Ungraded.

DRAM-314 Technical Theatre in Production (0.00 units)
Transfer Status: NT
Activity: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/0.00 Unit(s)
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. This course is intended for older adults. Unlimited repeats. Ungraded.

DSPS-Disabled Students Programs and Services

DSPS-204 Fundamentals of Reading (3.00 units)
Transfer Status: NT
Prerequisite: Registered with DSPS or permission of instructor
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-205 Fundamentals of Writing (3.00 units)
Transfer Status: NT
Prerequisite: Registered with DSPS or permission of instructor
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to improve the written communication skills of students with intellectual disabilities. The focus of this course is on pre-writing strategies involving common daily communications that facilitate organizational patterns of text. Grammar, semantics of conjunctions, vocabulary in context, and punctuation are practiced to enhance writing abilities.

DSPS-206 Fundamentals of Math (3.00 units)
Transfer Status: NT
Prerequisite: Registered with DSPS or permission of instructor
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This math course is designed for students with intellectual disabilities. Each student will be assessed at the beginning of the course and will be provided math instruction that is closely supervised and individualized based on the results of the assessment.

DSPS-207 Fundamentals of College (3.00 units)
Transfer Status: NT
Prerequisite: Registered with DSPS or permission of instructor
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students with disabilities to help identify and compensate for educational limitations and/or acquire the skills necessary to complete their education objectives. Topics covered include fundamentals of college and college exploration along with community and college resources. The course will also address motivation for college, self-discipline, and how to address stress factors associated with college.

DSPS-210 Adaptive Computer Lab (0.50 units)
Transfer Status: NT
Prerequisite: Registered with DSPS or permission of instructor
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
This is a course involving the use of adaptive computer software and hardware. This course will offer students with disabilities the opportunity to enhance their computer skills via the adaptive hardware and software prescribed for them. The course will be project-oriented and will allow students to increase their skills with the prescribed adaptive computer and application software. Pass/No Pass only. Open Entry/Open Exit.

ECON-Economics

ECON-2 Principles of Macroeconomics (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Elementary Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Elementary Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-25 Introduction to Economics (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-95 Special Studies-ECON (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

EDUC-Education

EDUC-2 Introduction to Education (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (0.50 units)
Transfer Status: CSU
Prerequisite: Meeting with an instructor in the Center for Academic Success is required to begin this course
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
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-95 Special Studies-EDUC (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

EDUC-99 Work Experience-EDUC (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

EDUC-110 Critical Skills for College Success (0.50 units)
Transfer Status: NT
Prerequisite: Meeting with an instructor in the Center for Academic Success is required to begin this course
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
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-302 High School Equivalency Exam Preparation (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course focuses on developing skills needed to prepare for the General Educational Development Tests (GED) and High School Equivalency Test (HiSET) for high school equivalency standards. The course includes background on both High School Equivalency (HSE) Testing Programs, describes the four tests and the broad areas covered by the GED and the five tests covered by the HiSET, evaluates student readiness, and prepares students for taking the tests. Emphasis will be placed on strengthening reading skills in literary, informational, social studies, and science content; writing clarity; math problem-solving, reasoning skills, and calculator skills. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

EDUC-310 Supervised Tutoring (0.00 units)
Transfer Status: NT
Lab: 136.00 Contact hours/0.00 Out of class hours/136.00 Total hours/0.00 Unit(s)
This course provides students tutorial support with instructional aides and student tutors to develop learning skills that enhance classroom achievement. Critical Skills Workshops are offered in many instructional areas. Tutor-supported computer labs are provided for academic use. Unlimited repeats. Ungraded. Open Entry/Open Exit.

EDUC-312 Reading Comprehension and Speed (0.00 units)
Transfer Status: NT
Lecture: 17.00 Contact hours/0.00 Out of class hours/17.00 Total hours/0.00 Unit(s)
This course develops self-sustaining reading skills improvement for college-level reading assignments. It is intended to supplement concurrent enrollment in Butte College coursework. Emphasis is placed on determining reading strategies appropriate for the reading task, calculating reading rate suitable for the assignment, assessing schema as it pertains to the context for reading, measuring comprehension as it relates to the application of reading material, and adapting to meet the variety of tasks associated with college-level reading assignments. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

EDUC-313 Reading for the Disciplines (0.00 units)
Transfer Status: NT
Lecture: 17.00 Contact hours/0.00 Out of class hours/17.00 Total hours/0.00 Unit(s)
This course prepares students for college-level study by developing effective reading skills for discipline-specific reading assignments in transfer-level and CTE coursework. It is designed to supplement concurrent enrollment in Butte College courses. This course builds upon the Reading Apprenticeship framework. Emphasis is placed on pre- and post-reading strategies, annotation strategies, strategies for retention, research strategies appropriate to discipline, metacognitive reflection, and investigating the relationship between literacy and power within the students' chosen disciplines. Unlimited repeats. Satisfactory/Unsatisfactory Only. Open Entry/Open Exit.

EH-Environmental Horticulture

EH-20 Introduction to Environmental Horticulture (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

EH-130 Introduction to Irrigation Materials (1.00 units)
Transfer Status: NT
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is an introduction to the materials specified and used in the construction and maintenance of residential and light commercial irrigation systems.

EH-131 Irrigation Practices I (1.00 units)
Transfer Status: NT
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is an introduction to the practices used in the specification, selection and use of irrigation equipment for construction of residential and light commercial irrigation systems.

EH-132 Irrigation Practices II (1.00 units)
Transfer Status: NT
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is an introduction to the practices of finish installation, troubleshooting and maintenance of residential and light commercial irrigation systems, as well as reading and interpreting basic irrigation system designs.

EMS-Emergency Medical Services

EMS-97 Special Problems-EMS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

EMS-99 Work Experience-EMS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

EMS-110 Emergency Medical Responder (4.00 units)
Transfer Status: NT
Prerequisite: American Heart Association Professional Health Care Provider CPR or equivalent, must be 18 years of age as of first day of class
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (8.00 units)
Transfer Status: NT
Prerequisite: American Heart Association BLS CPR Card, or equivalent, and must be 18 years of age as of first day of class
Lecture: 102.00 Contact hours/204.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 204.00 Contact hours/204.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
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 (21.00 units)
Transfer Status: NT
Prerequisite: Admission to the Paramedic Program
Lecture: 306.00 Contact hours/612.00 Out of class hours/918.00 Total hours/18.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 459.00 Contact hours/612.00 Out of class hours/1,071.00 Total hours/21.00 Unit(s)
This course is the first of a two-semester long program that provides the Paramedic student the didactic information and skills required to meet the state of California requirements for paramedic training. The course meets accreditation requirements of the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP). The course follows U.S. Department of Transportation Paramedic National Standard Curriculum. Upon successful completion of EMS 170 and EMS 171 the student will be eligible to take the National Registry Exam required for licensure as a Paramedic in the state of California. Anatomy and Physiology will be covered extensively throughout the course. Graded only.

EMS-171 Paramedic Clinical and Field Internship (15.50 units)
Transfer Status: NT
Prerequisite: EMS 170
Lab: 790.50 Contact hours/0.00 Out of class hours/790.50 Total hours/15.50 Unit(s)
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-203 Emergency Medical Technician Refresher (1.00 units)
Transfer Status: NT
Prerequisite: Must possess a valid EMT Certificate in the State of California which is current or has expired for no more than 24 months and a Healthcare Provider level CPR equivalent to the American Heart Association
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course meets the requirements for an individual to re-certify as a California State Emergency Medical Technician (EMT). Unlimited repeats. Pass/No Pass only.

ENGL-English

ENGL-4 Introduction to Literature (3.00 units)
Transfer Status: CSU/UC
Prerequisite: ENGL C1000 or ENGL C1000E
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces representative works from major genres, develops students' close reading and analytical writing skills, and promotes appreciation and critical understanding of the cultural, historical, diverse and aesthetic qualities of literature. This course requires extensive writing, including drafting and progressive revisions of multiple drafts (minimum 5000 words), and for students to have passed the basic composition course. Graded only. (C-ID ENGL 120).

ENGL-6 Creative Writing (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Eligibility to enroll in ENGL C1000 or ENGL C1000E or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the craft of creative writing through the study and analysis of works by established literary writers. Students will practice writing in various genres and will be introduced to the workshop method. Graded only. (C-ID ENGL 200).

ENGL-8 British Literature I (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID ENGL 160).

ENGL-10 British Literature II (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Eligibility to enroll in a transferable English composition course
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID ENGL 165).

ENGL-14 U.S. Literature I (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Eligibility to enroll in a transferable English composition course
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID ENGL 130).

ENGL-15 Film as Literature (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will examine the nature and meaning of the narrative structure of film, as well as the aesthetic and historical impacts of cinema on society. Using a variety of critical lenses, 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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Eligibility to enroll in a transferable English composition course
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. Graded only. (C-ID ENGL 135).

ENGL-20 Introduction to Poetry (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-25 Introduction to Shakespeare (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 20th and 21st 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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course presents a comparative examination of films and literature that reflect the richness and diversity of global cultures. Students will utilize various critical methodologies for interpreting films and texts and will analyze feature films as a reflection of national, ethnic, and cultural values and aesthetics. Graded only.

ENGL-47 Native American Literature (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course will examine the lived experiences of Native Americans through a variety of texts and genres. Focus will be on the cultural, social, and historical aspects of Native American Literature, and how texts authored by Native Americans have contributed to U.S. culture. Texts are studied through the lens of critical ethnic studies and emphasis is placed on anti-racist issues and practices in Native American communities.

ENGL-60 Creative Writing: Fiction (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course develops an awareness of literary fiction as an art form both through the reading of short works of fiction and writing of exercises and complete stories. Emphasis is placed on the development of essential elements necessary for the writing of fiction and on the workshop format as a method for developing understanding and analysis of fiction. The assignments are interconnected in order to help students incorporate the skills they are practicing into increasingly difficult pieces. Graded only.

ENGL-95 Special Studies-ENGL (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

ENGL-C1000 Academic Reading and Writing (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Placement as determined by the college's multiple measures assessment process
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course focuses on close reading; expository, argumentative, and fictional texts; and develops expository, persuasive and argumentative academic writing. Essays will demonstrate analysis, critique, and synthesis. Graded only. (C-ID ENGL 100).

ENGL-C1000E Academic Reading and Writing (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Placement as determined by the college's multiple measures assessment process
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course includes embedded support. This course builds on literacy practices by developing expository and argumentative writing, awareness of audience, purpose and research strategies including documentation. Primarily expository and argumentative texts will be used, responding to a variety of rhetorical situations. Graded only. (C-ID ENGL 100).

ENGL-C1001 Critical Thinking and Writing (3.00 units)
Transfer Status: CSU/UC
Prerequisite: College-level composition (ENGL C1000/ ENGL C1000H/ ENGL C1000E/ C-ID ENGL 100) or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. This course offers instruction in information literacy, and proper documentation. Students are required to write essays with progressive revisions and multiple drafts (minimum 5,000 words). (C-ID ENGL 105).

ENGR-Engineering

ENGR-1 Introduction to Engineering (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The course explores the career branches of engineering including the functions of an engineer in various settings and the industries in which engineers work. Topics will span the life cycle of the engineering professions from education to career including guided exploration of educational pathways, time-management, study-skill development through engineering-skill building activities focused on design and creation of products and ethical practices. The engineering process will be used to develop essential project management skills in the context of being introduced to ubiquitous systems used by engineers such as sensors, pneumatics, hydraulics, AC and DC motor control, simple electrical circuits, machine controllers, programming, and computational tools for testing and analysis. A spreadsheet program and high-level computer language programs are integral parts of the course. (C-ID ENGR 110).

ENGR-2 Programming and Problem-Solving in MATLAB (3.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 30 or MATH 30s
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course utilizes the MATLAB environment and commercial electronic spreadsheets to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. (C-ID ENGR 220).

ENGR-3 Plane Surveying I (3.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 20, MATH 28, MATH 28s or high school trigonometry
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: ENGR 3
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 31, PHYS 41
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-10 Digital Logic Fundamentals (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
In this course the student will be trained in the use of symbolic digital logic including switching algebra, optimization, Karnaugh map construction and use and the design of combinational logic networks. The student will develop skills in mapping of sequential logic theory to practical devices using flip-flops, registers and counters.

ENGR-11 Embedded Systems Development (3.00 units)
Transfer Status: CSU/UC
Prerequisite: CSCI 20
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the principles and methods related to the creation of embedded systems applications at a low level. It covers the utilization of both Assembly Language and C. The topics covered encompass microprocessor architecture fundamentals, instruction set architectures, Assembly language programming, data representations, managing interrupts and execution modes, low-level C programming, as well as the utilization of on-chip and external peripherals.

ENGR-17 Electrical Circuits and Devices (4.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 42, MATH 40 (or concurrent enrollment)
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 41, CHEM 1
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. (C-ID ENGR 140B).

ENGR-95 Special Studies-ENGR (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

ENGR-99 Work Experience-ENGR (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

ESL-English as a Second Language

ESL-300 American Citizenship (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course prepares adult immigrants to complete the naturalization process in order to become U.S. Citizens. Students will develop English language skills (reading, writing, listening, speaking, vocabulary, and grammar) and civics knowledge (history and government) necessary to complete the Application for Naturalization (N-400), Civics Test, Writing Test, Reading Test, and final U.S. Citizenship and Immigration Interview. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

ESL-301 ESL Level I (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course provides a conversational approach to the learning of elementary English. It offers the English language learner practice in verbal communication with special emphasis on literacy and life skills. The introduction to basic literacy skills reinforces spoken and written English. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

ESL-302 ESL Level II (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course moves the English language learner from basic literacy skills to more in-depth practice with foundational grammatical structures and expressions in English. Speaking and listening skills are practiced, with introduction to writing and reading utilizing appropriate level texts. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

ESL-303 ESL Level III (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course reinforces and expands an English language learner's literacy and communication skills for life, college, and career. It engages students in collaborative activities that integrate reading, writing, speaking, and listening. Intermediate grammar and vocabulary are introduced in context. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

ESL-304 ESL Level IV (0.00 units)
Transfer Status: NT
Lecture: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course assists an English language learner in developing communication for life, career, and college. Through the integration of reading, writing, speaking and listening activities in English, this course prepares the student to communicate academically and introduces intermediate-to-advanced level grammar structures in context. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

ESL-305 ESL Academic Reading and Writing (0.00 units)
Transfer Status: NT
Prerequisite: ESL 304 or permission of instructor
Lecture: 68.00 Contact hours/0.00 Out of class hours/68.00 Total hours/0.00 Unit(s)
This is a developmental reading and composition course designed to prepare advanced ESL students for the English composition requirement at the college level. English language learners develop their fluency in academic English with emphasis on reading, writing, and discussion skills. Unlimited repeats. Satisfactory/Unsatisfactory.

ESL-340 Technology Skills for ESL Students (0.00 units)
Transfer Status: NT
Lecture: 68.00 Contact hours/0.00 Out of class hours/68.00 Total hours/0.00 Unit(s)
This course will support English language learners as they acquire digital literacy practices to become users and creators of digital content. Students will use technology to engage in authentic English communication in a variety of personal, professional, and academic contexts. Students will engage in reading, writing, speaking, and listening strategies by exploring a variety of digital texts, genres, cultural artifacts, platforms, applications, and programs. Unlimited repeats. Satisfactory/Unsatisfactory only.

ESL-352A ESL Workforce Training Adult Education (0.00 units)
Transfer Status: NT
Lecture: 200.00 Contact hours/0.00 Out of class hours/200.00 Total hours/0.00 Unit(s)
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.

ETHS-Ethnic Studies

ETHS-1 Introduction to Ethnic Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Introduction to the major theories concepts, issues, debates, and movements toward racial and social justice and liberation in the United States. Includes a comparative and interdisciplinary exploration of historical connections between race, ethnicity, class, religion, sexuality and gender inequality, as well as diverse perspectives on empowerment, identity, equity, self-determination, agency, and anti-racism within contemporary American society. Analysis of social, political, economic, educational, and cultural developments of diverse populations with an emphasis on the lived experiences of Native Americans, African Americans, Asian Americans, and Chicano/a/x and Latino/a/x in the United States.

ETHS-10 Introduction to Chicano Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
A multi-disciplinary exploration of the cultural and social milieu of Chicanos in the United States. "Chicano" is defined as the first generation of Mexican-Americans born to parents from Mexico. Students will trace the development of a definition and rationale for Chicanismo through a critical and comparative examination of relevant literature. Areas that will be examined will include economics, family and religion, social and political behavior, health, education and prejudice, among others. Also included in this examination will be a specific look at the Chicano movement, its goals, methods, and people.

ETHS-30 Introduction to African American Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a multi-disciplinary exploration of the cultural history and experience of African Americans. The African American experience is described and conceptualized as a function of cultural history and the adaptations made by African Americans in more contemporary contexts. The culmination of the comprehensive and detailed history highlights the challenges and creative triumphs of African Americans as indicated through action in social, political, economic, religious, and artistic endeavors.

ETHS-40 Introduction to Asian American Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of the rich and diverse cultural history of various Asian American communities (Chinese, Korean, Japanese, Southeast Asian American, etc.). Emphasis is given to the cultural and historical circumstances that caused various Asian populations to resettle in the United States. Various Asian American populations will be described according to their immigration and refugee challenges, cultural adaptations, and unique contributions to American society as a whole.

FASH-Fashion

FASH-6 Introduction to Fibers, Fabric and Textiles (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to contemporary fashion productions including fashion shows, fashion videos, and retail promotions. Students will learn how to plan and produce various aspects of fashion promotions including event marketing, show staging, lighting, music, models, modeling, writing commentary, and directing rehearsals.

FASH-97 Special Problems-FASH (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of Instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

FASH-99 Work Experience-FASH (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

FN-Foods and Nutrition

FN-2 Nutrition (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs. (C-ID NUTR 110).

FN-8 Maternal and Child Nutrition (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the nutrition required for optimal physical and mental development of children from conception through adolescence. Topics include the nutritional requirements of pregnant and lactating women, infants, children, and adolescents, social and cultural influences on optimal nutrition, and the ability to recognize and manage developmental feeding disorders.

FN-10 Food Safety and Sanitation (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to principles of food safety and Hazard Analysis and Critical Control Points (HACCP) as it applies to the food industry. As part of the course the student will receive a ServSafe® Certification from the National Restaurant Association Education Foundation and an approved HACCP certification if they receive a minimum of 75 percent on the respective examinations.

FN-12 Introduction to Food Science (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Application of food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food. This course is recommended for nutrition, dietetics, and food science majors. (C-ID NUTR 120).

FN-15 Introduction to Nutrition, Dietetics and Food Science (1.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is an exploration of the professional scope of practice, career opportunities and educational requirements in the field of nutrition, dietetics, food science and other related professions. Students will be introduced to the professional roles, ethics, skills, responsibilities, opportunities, and professional associations in the degree of Nutrition, Dietetics and Food Science. Students will identify campus resources that support academic success.

FN-50 Nutrition and Diet Therapy (4.00 units)
Transfer Status: CSU
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course introduces the basic principles of nutrition related to health and disease. The course focuses on the diseases that affect nutritional status and the medical nutrition therapy that is used to manage and treat these conditions.

FN-97 Special Problems-FN (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

FN-99 Work Experience-FN (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

FSC-Fire Science

FSC-2 Introduction to Fire Science (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an overview of fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. (C-ID FIRE 100X).

FSC-4 Fundamentals of Fire Behavior and Combustion (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course explores the theories and fundamentals of how and why fires start, spread and are controlled.

FSC-6 Fire Tactics and Strategy (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to the principles of fire control in municipal and suburban environments. It includes an overview of the utilization of human resources, equipment and extinguishing agents on the fireground.

FSC-8 Principles of Fire Safety (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services.

FSC-10 Building Construction for Fire Protection (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations and operating at emergencies. (C-ID FIRE 130X).

FSC-12 Fundamentals of Fire Prevention (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides fundamental knowledge relating to the filed of fire prevention. Topics include: history and philosophy of fire prevention; organization of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. (C-ID FIRE 110X).

FSC-14 Fire Protection Equipment and Systems (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides information relating to the features of design and operation of fire alarm systems, water-based suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers. (C-ID FIRE 120X).

FSC-16 Fire Company Organization and Management (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course prepares students to meet the requirements to qualify and seek employment as a Type 2 Wildland Firefighter. It provides students with fundamental knowledge of wildland fire behavior, control, prevention and firefighter safety. Students will learn suppression and survival methods and techniques, and the use of hand and power tools and burning devices in the suppression of wildland fires. Upon successful completion of this course, students will be awarded certificates for the following National Wildland Fire Training courses: S-110 Basic Wildland Fire Orientation; S-130 Firefighter Training; S-190 Introduction to Wildland Fire Behavior; L-180 Human Factors in the Wildland Fire Service; I-100 Introduction to Incident Command System and NIMS 700 Introduction to National Incident Management System.

FSC-97 Special Problems-FSC (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

FSC-99 Work Experience-FSC (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

FSC-105 Fire Academy Physical Training (2.50 units)
Transfer Status: NT
Corequisite: FSC 106, FSC 107
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 110.50 Contact hours/17.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
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 (22.00 units)
Transfer Status: NT
Prerequisite: Completion of Butte College Fire Academy orientation; proof of completion of a medical suitability examination; provide uniforms as per academy specifications; current EMT certification or AEMT (Advanced EMT) certification.
Corequisite: FSC 105, FSC 107
Lecture: 255.00 Contact hours/510.00 Out of class hours/765.00 Total hours/15.00 Unit(s)
Lab: 357.00 Contact hours/0.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
Total: 612.00 Contact hours/510.00 Out of class hours/1,122.00 Total hours/22.00 Unit(s)
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. Graded only.

FSC-107 Firefighter II Academy (1.50 units)
Transfer Status: NT
Corequisite: FSC 105, FSC 106
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 42.50 Contact hours/34.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course provides the skills and knowledge needed for the firefighter to take on increased leadership roles and responsibilities pertaining to fire department communications, fire ground operations, rescue operations, and fire and life safety initiatives, preparedness, and maintenance. Graded only.

GEOG-Geography

GEOG-2 Physical Geography (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU/UC
Prerequisite: GEOG 2 (or concurrent enrollment)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. (C-ID GEOG 111).

GEOG-4 Cultural Geography (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-8 World Regional Geography (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-20 Introduction to Geographic Information Systems (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-95 Special Studies-GEOG (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

GEOL-Geology

GEOL-32 Physical Geology with Lab (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course introduces 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 (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

GERM-German

GERM-1 First Semester German (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: GERM 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: GERM 2
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: GERM 3
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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.

HAL-Healthy Aging and Living

HAL-301 Finding Your Inner Artist (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course enriches the lives of older adults through creative expression, arts and crafts, and fine arts including painting, music, and drawing. Topics include musical self-expression, life and art, drawing in the abstract, renowned artist biographies, notable museums, and value of the arts. This course is intended for older adults. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL-302 Fun and Fitness for Healthy Aging (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
Physical activity is the focus of this course and how it relates to healthy aging for older adults. Students will participate in stretching, chair aerobics, strengthening exercises, balancing and fall prevention activities. Application of fitness principles will also be emphasized to maintain health while aging. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL-303 Vocal Aerobics: Music Exercises for Fitness (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
The focus of this course is to enrich the lives of older adults through vocalization and communication techniques, singing familiar songs, deep-breathing exercises, and movement to music. This course is intended for older adults. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL-304 Staying Mentally Sharp (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
The focus of this course is to use techniques to curtail memory loss and preserve mental fitness. Topics include exercise and the brain, being a better listener, recognition memory, visual connections, memory aids, puzzles, games, and reminiscing to strengthen memory. Students will learn to recognize symptoms of health and age-related memory loss. Strategies will be presented for coping and compensating for memory loss. A personal plan will be developed for improving and preserving mental fitness. This course is intended for older adults. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL-305 Telling Your Story (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
Older adults will have the opportunity to reflect on their past and consider how past experiences have influenced their lives. Thematic and chronological approaches will be utilized for reminiscing and recall. Opportunities to be creative, share life experiences, and learn from others in a supportive environment are provided. Focus is placed upon affirmation of each student's life. This course is intended for older adults. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HAL-306 Technology Basics for Seniors (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
Older adults will learn basic skills of personal technology devices such as computers, laptops, tablets, and smart phones. Students will learn how to use online services, applications, basic photography, and programs to help connect with family and friends. This course is intended for older adults. Unlimited repeats. Ungraded. Open Entry/Open Exit.

HIM-Health Information Management

HIM-56 Introduction to Health Information Management (2.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an introduction to the growing, dynamic profession of Health Information Management (HIM) and provides a foundation for those students pursuing the HIM field including medical office administration and medical coding. Foundational topics include the field of HIM; the purpose, evolution, and structure of US healthcare delivery systems; the purpose, organization, and storage of medical health records; the role of information technology in healthcare; the functions and organization of Electronic Health Records (EHR); the legal aspects of health information; and the standardized usage of classification systems to document diagnoses and procedures to support reimbursement methods, data management, and research in healthcare.

HIM-58 Healthcare Law and Ethics (2.00 units)

Transfer Status: CSU

Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)

This course introduces students to legal and ethical issues they will encounter while working in the field of Health Information Management (HIM). Topics include an overview of legal issues relating to Health Insurance Portability and Accountability Act (HIPAA), healthcare delivery, ethics, judicial processes, and standards of care. This course also includes bioethical and moral issues related to HIM and how they affect the day-to-day operations of medical offices.

HIM-62 Introduction to Medical Coding (3.00 units)

Transfer Status: CSU

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course introduces students to the medical coding classification systems used in the United States healthcare industry: International Classification of Diseases 10 Clinical Modification (ICD-10-CM) and Current Procedural Terminology (CPT). Through analysis of case histories and surgical reports, students will learn to distinguish between primary and secondary diagnoses codes, to assign the proper procedural codes, and to explain the importance of accurate medical documentation and clinical records.

HIM-63 Reimbursement (3.00 units)

Transfer Status: CSU

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course introduces students to the reimbursement methodologies used in healthcare in the United States. The focus of the course will be on the accurate preparation and maintenance of clinical records and medical documentation. Students will analyze insurance plans spanning government and private sectors and learn to properly complete the Centers for Medicare and Medicaid Services claim form (CMS 1500) used in medical outpatient facilities. Topics include working with specific insurance companies, filing error-free claims, resubmitting denied claims, utilizing effective collection strategies, and handling the appeal process.

HIM-64 Advanced Medical Coding (3.00 units)

Transfer Status: CSU

Prerequisite: HIM 62

Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)

Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)

Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This is an advanced course in medical coding for both outpatient and inpatient procedures and services. The course will include a brief review of International Classification of Diseases 10 Clinical Modification (ICD-10-CM) and Current Procedural Terminology (CPT). By following steps in the coding selection and sequencing process, students will assign appropriate procedure and service codes. Students will use the International Classification of Diseases 10 Procedure Coding System (ICD-10-PCS) and CPT (including Evaluation & Management Code (E&M), Audits, Modifiers, and Healthcare Common Procedure Coding System (HCPCS)) classification systems in this process.

HIM-76 Electronic Health Records (3.00 units)

Transfer Status: CSU

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course introduces students to Electronic Health Records (EHRs) and their place in healthcare. The curriculum reinforces the relationship between all of the components needed for a complete patient medical record including the clinical, administrative, and reimbursement components. Topics in this class are based on the national curriculum competencies developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

HIST-History

HIST-3 World History to 1500 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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-8 United States History to 1877 (3.00 units)

Transfer Status: CSU/UC

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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. 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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. 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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of the history of the United States from pre-colonial times to the present with particular emphasis on the nation's multicultural heritage. The historical experiences of Americans from diverse religious, ethnic, racial, and socioeconomic backgrounds will be studied in the context of the growth and development of the United States.

HIST-20 History of the Middle East (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
A survey of the history of the Middle East from the rise of Islam in the seventh century to the present. Major themes include religion, family, social classes, government, politics and regional conflict.

HIST-21 History of Western Civilization I (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of the development of western culture and civilization through the Reformation. 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 170).

HIST-23 History of Western Civilization II (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of the development of western culture and civilization from the Age of Absolutism to the present. 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 180).

HIST-26 Men and Women in American History (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of the experiences of men and women in the American past from the pre-colonial era to the present. The course examines the ways that ideas about masculinity and femininity have shaped men's and women's participation in major political, economic, social, and cultural events and developments, and why and how ideas of manhood and womanhood change. The course also introduces students to the historical reasoning skills necessary to form their own understanding of the past, and of contemporary society.

HIST-30 History of the African American (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the history of African Americans in the United States and provides a broad and critical analysis of what it means to be black and to live in America. The course examines the experiences of Africans in America from the colonial era to the present. Major themes include the influence of the African tradition, the struggle for equality, and contributions of individual African Americans to the growth and development of the nation. The course also introduces students to the historical reasoning skills necessary to form their own understanding of the past, and of contemporary society.

HIST-95 Special Studies-HIST (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

HLTH-Health

HLTH-2 Health and Wellness (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety. Graded only. (C-ID PH 100).

HLTH-40 Drugs, Health, and Society (3.00 units)

Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides an overview of the epidemiology and toxicology of substance abuse and its relevance to personal and public health. Students will be introduced to the concept of substance abuse and dependence, the definition of licit and illicit drugs, the pharmacological, neurological and physiological effects of selected substances on the human brain and body. The course will explore the political, social, and economic factors in the supply and demand for drugs. The course will cover data of drug prevalence and trends of smoking, alcohol, prescription and other drug dependence in the U.S., as well as the risk factors associated with the use and abuse of these substances. Current options for recovery and local services and resources will be reviewed. (C-ID PH 103).

HLTH-99 Work Experience-HLTH (0.50-8.00 units)

Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

HVAC-Heating, Ventilation, and Air Conditioning

HVAC-11 Introduction to HVACR (4.00 units)

Transfer Status: CSU
Corequisite: ITEC 55, HVAC 12, HVAC 13
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to teach the introduction to Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) as an industrial trade. Emphasis will be placed on developing basic safety skills, trade math, and the terminology, history, and future of the HVACR industry. These areas of instruction will be applied in several hands-on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification.

HVAC-12 Basic HVACR Systems (4.00 units)

Transfer Status: CSU
Corequisite: ITEC 55, HVAC 11, HVAC 13
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to teach the functions of Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems and where they are used in the industry. Emphasis will be placed on developing safety skills, heating and cooling system types, equipment categories, air distribution, components of a system, and the different types of tubing used in the industry. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification.

HVAC-13 Trade Electricity (4.00 units)

Transfer Status: CSU
Corequisite: ITEC 55, HVAC 11, HVAC 12
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing basic safety skills, fundamentals of electricity, electrical theory, knowledge of electrical measuring instruments used in industry, and identification of electrical components. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-21 Introduction to the Refrigerant System (4.00 units)

Transfer Status: CSU
Prerequisite: ITEC 55, HVAC 11, HVAC 12, HVAC 13
Corequisite: HVAC 22, HVAC 23
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, metering and gauge identification, lubrication oils used, replacement of refrigerant circuits, knowledge of heat pump systems, and inspection and maintenance of procedures. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-22 Intermediate HVACR Components (4.00 units)
Transfer Status: CSU
Prerequisite: ITEC 55, HVAC 11, HVAC 12, HVAC 13
Corequisite: HVAC 21, HVAC 23
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, tool identification, basic rigging and material handling skills, with soft skills training. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-23 Intermediate HVACR Concepts (4.00 units)
Transfer Status: CSU
Prerequisite: ITEC 55, HVAC 11, HVAC 12, HVAC 13
Corequisite: HVAC 21, HVAC 22
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, commercial air distribution, factors to be controlled when dealing with indoor air quality, types of hot-water heating systems, and devices used in hydronic systems. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-31 Advanced HVACR Components (4.00 units)
Transfer Status: CSU
Prerequisite: HVAC 21, HVAC 22, HVAC 23
Corequisite: HVAC 32, HVAC 33
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, identifying fasteners, understanding of common control devices, troubleshooting oil-fired heating systems and various system accessories. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-32 Advanced HVACR Service (5.00 units)
Transfer Status: CSU
Prerequisite: HVAC 21, HVAC 22, HVAC 23
Corequisite: HVAC 31, HVAC 33
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, troubleshooting skills on electrical, refrigerant, heat pumps, airflow diagnostics, commercial refrigeration systems, and customer relations. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-33 Internship with Local Trade Company (7.00 units)
Transfer Status: CSU
Prerequisite: HVAC 21, HVAC 22, HVAC 23
Corequisite: HVAC 31, HVAC 32
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Total: 255.00 Contact hours/102.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
This course is designed to teach students skills by simulations and field internship experiences required to meet industry standards in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems and North American Technician Excellence (NATE) certification. Emphasis will be placed on developing safety skills, troubleshooting skills, application of electrical diagnostics and customer relation practices. These areas of instruction will be applied in several hands on performance lecture and lab exercises. This course is part of the National Center for Construction Education and Research (NCCER) core curriculum qualification.

HVAC-41 Advanced HVACR Systems (4.00 units)
Transfer Status: CSU
Prerequisite: HVAC 31, HVAC 32, HVAC 33
Corequisite: HVAC 42, HVAC 43
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, water related concepts, indoor air quality, energy management systems, air balancing, and proper startup and shutdown procedures. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center for Construction Education and Research (NCCER) core curriculum qualification.

HVAC-42 Advanced HVACR Design (5.00 units)
Transfer Status: CSU
Prerequisite: HVAC 31, HVAC 32, HVAC 33
Corequisite: HVAC 41, HVAC 43
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 153.00 Contact hours/102.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course is designed to provide pre-employment training in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems for industrial trades. Emphasis will be placed on developing safety skills, reading construction drawings, system design, commercial refrigeration, alternative HVAC systems, and leadership skills for supervisors. These areas of instruction will be applied in several hands on performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

HVAC-43 Advanced Internship with Local Trade Company (8.00 units)
Transfer Status: CSU
Prerequisite: HVAC 31, HVAC 32, HVAC 33
Corequisite: HVAC 41, HVAC 42
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Total: 272.00 Contact hours/136.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
This course is designed to further develop and polish the skills required to succeed in the Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) systems industry. The student will develop personal and general safety skills, enhance the communication skills required to begin diagnosis of equipment and system operations, perform system maintenance, and ultimately complete repairs ranging from a simple adjustment, to a compressor replacement. Experiences in this course are intended to prepare students to pass the North American Technician Excellence (NATE) certification and the Environmental Protection Agencies Refrigerant Certification Examination. Successful completion of both exams is required to pursue a career in the HVAC field. This is part of the National Center For Construction Education and Research (NCCER) Heating, Ventilation, and Air Conditioning curriculum qualification.

HVAC-97 Special Problems-HVAC (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

HVAC-99 Work Experience-HVAC (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

ITAL-Italian

ITAL-1 First Semester Italian (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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-95 Special Studies-ITAL (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

ITAL-100 Beginning Conversational Italian (3.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.

ITEC-Industrial Technology

ITEC-55 Introduction to Industrial Trades (2.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed to provide pre-employment training for industrial trades. Emphasis will be placed on developing basic safety skills, tool identification, basic rigging and material handling skills, with soft skills training. These areas of instruction will be reinforced by hands-on application in several performance lab exercises. This course is part of the National Center For Construction Education and Research (NCCER) core curriculum qualification.

JOUR-Journalism

JOUR-2 Introduction to Reporting and Newswriting (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introduction to gathering, synthesizing/organizing and writing news in journalistic style across multiple platforms. Includes role of the journalist, exploration of career options, identification of areas of interest and overview of 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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: JOUR 10
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-97 Special Problems-JOUR (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

JOUR-99 Work Experience-JOUR (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

JPN-Japanese

JPN-1 First Semester Japanese (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: JPN 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: JPN 2
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: JPN 3
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

KIN-Kinesiology

KIN-1 Introduction to Kinesiology (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-5 Sports Officiating (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to the prevention, evaluation, and treatment of athletic injuries. Students will learn rehabilitation and management skills, emergency procedures, sports psychology, musculoskeletal anatomy, therapeutic modalities, and various taping/wrapping techniques. The course is designed to expose students to sports medicine career fields such as strength and conditioning, physical therapy, orthopedic medicine, and athletic training.

KIN-9 Introduction to Personal Fitness Training (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-11 First Aid and CPR (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate baseball
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate basketball
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate cross country
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate football
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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-17A Theory of Soccer I (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate soccer
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate softball
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate track and field
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate volleyball
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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-21A Theory of Beach Volleyball I (2.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate beach volleyball
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed to cover theoretical concepts necessary for successful participation in beach volleyball. Topics covered include mechanical analysis of fundamentals in beach volleyball, strategic offensive and defensive play, etiquette, rules, and officiating. This course is designed for students competing on the intercollegiate beach volleyball team and those interested in the sport of beach volleyball.

KIN-21B Theory of Beach Volleyball II (2.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course covers intermediate theoretical concepts necessary for successful participation in beach volleyball. Topics include advanced team strategies, beach volleyball conditioning methods and techniques, goal development for game play, and leadership qualities for successful beach volleyball play. 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 (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Resistance Training family. See Courses/Course Families for more information.

KIN-24 Weight Training II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Resistance Training family. See Courses/Course Families for more information.

KIN-25 Olympic Weightlifting (1.50 units)
Transfer Status: CSU
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Resistance Training family. See Courses/Course Families for more information.

KIN-27 Core Crossfit Training (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Interval Training family. See Courses/Course Families for more information.

KIN-28 Plyometric Training (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Interval Training family. See Courses/Course Families for more information.

KIN-31 Quickfits (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Interval Training family. See Courses/Course Families for more information.

KIN-33 Aerobic Mix (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Aerobics family. See Courses/Course Families for more information.

KIN-38 Ballroom Dance I (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Dance family. See Courses/Course Families for more information.

KIN-39 Ballroom Dance II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Dance family. See Courses/Course Families for more information.

KIN-40 Jazz Dance I (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course provides instruction centered upon improving the knowledge and physical techniques of jazz dance. The course will identify jazz dance styles: lyrical, contemporary, and character/musical theater. Basic jazz dance techniques, choreography, and vocabulary will be applied and practiced.
Course families are groups of active participatory courses that are related in content. This course is part of the Dance family. See Courses/Course Families for more information.

KIN-41 Gentle Yoga (1.50 units)
Transfer Status: CSU
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course introduces students to the art and practice of gentle yoga, using postures which are gentle in nature and allow a vast majority of the population to perform them. The course includes an introduction to modified physical postures (asana) which stretch and move the spine and limbs as well as basic breathing techniques (pranayama), which refers to the expansion of the breath. Students will learn relaxation techniques for decreasing stress and physical discomfort.
Course families are groups of active participatory courses that are related in content. This course is part of the Mind-Body Wellness family. See Courses/Course Families for more information.

KIN-42 Yoga I (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Mind-Body Wellness family. See Courses/Course Families for more information.

KIN-43 Yoga II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.

Course families are groups of active participatory courses that are related in content. This course is part of the Mind-Body Wellness family. See Courses/Course Families for more information.

KIN-44 Jazz Dance II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course is a continuation of Jazz Dance with an emphasis on more complex steps, dance combinations, terminology, music, style and techniques. Areas of emphasis will include intermediate concepts of styles, vocabulary, body alignment and choreography. The works of professional choreographers in addition to general concepts and skills throughout the course will be used to inform the creation of unique choreography in a solo or duet form.
Course families are groups of active participatory courses that are related in content. This course is part of the Dance family. See Courses/Course Families for more information.

KIN-45 Pilates (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Mind-Body Wellness family. See Courses/Course Families for more information.

KIN-47 Stress Management Techniques and Exercise (1.50 units)
Transfer Status: CSU
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Mind-Body Wellness family. See Courses/Course Families for more information.

KIN-48 Stretching for Life (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the General Fitness family. See Courses/Course Families for more information.

KIN-49 Fit Mix (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the General Fitness family. See Courses/Course Families for more information.

KIN-51 Butte Fitness and Wellness Center (0.50-1.50 units)
Transfer Status: CSU/UC
Lab: 25.50-76.50 Contact hours/0.00-0.00 Out of class hours/25.50-76.50 Total hours/0.50-1.50 Unit(s)
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 commitment to fitness and wellness. This course may be repeated to a maximum of 1.50 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.
Course families are groups of active participatory courses that are related in content. This course is part of the General Fitness family. See Courses/Course Families for more information.

KIN-52 Walking for Fitness (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the General Fitness family. See Courses/Course Families for more information.

KIN-53 Jogging/Running for Fitness (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the General Fitness family. See Courses/Course Families for more information.

KIN-57 Archery (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-58 Badminton (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-59 Pickleball (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
Pickleball is a court game/racquet sport that offers an alternative to tennis, badminton, and racquetball with its own unique set of skills and rules. This course provides instruction and match play in the fundamental skills and techniques of pickleball. Emphasis will be placed upon the skills of service, forehand, backhand, and volleys. Court and opponent strategy, etiquette, and basic rules of play will be introduced and practiced through match play.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-60 Bowling (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-61 Golf (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-63 Track and Field (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Individual Sports family. See Courses/Course Families for more information.

KIN-64 Baseball (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/Course Families for more information.

KIN-65 Soccer (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/Course Families for more information.

KIN-66 Softball (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course provides instruction in the fundamental skills of softball, including catching, throwing, batting, and base running. Students will learn about team play and offensive and defensive strategies. Emphasis is placed on skill improvement, team cooperation, and safety procedures. Students will practice skills through game play and structured practice plans.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/Course Families for more information.

KIN-67 Non-Contact Football (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/Course Families for more information.

KIN-68 Volleyball I (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/Course Families for more information.

KIN-69 Volleyball II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/ Course Families for more information.

KIN-70 Basketball I (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/ Course Families for more information.

KIN-71 Basketball II (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Team Sports family. See Courses/ Course Families for more information.

KIN-73 Self Defense (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Combatives & Martial Arts family. See Courses/Course Families for more information.

KIN-74 Boxing (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Combatives & Martial Arts family. See Courses/Course Families for more information.

KIN-77 Karate (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Combatives & Martial Arts family. See Courses/Course Families for more information.

KIN-80 Varsity Baseball (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate baseball
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. This course may be repeated three times.

KIN-81 Varsity Basketball (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate basketball
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate basketball. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-82 Varsity Cross Country (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate cross country
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate cross country. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-83 Varsity Football (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate football
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate football. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-85 Varsity Soccer (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate soccer
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate soccer. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-86 Varsity Softball (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate softball
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate softball. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-87 Varsity Track and Field (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate track and field
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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. This course may be repeated 3 times.

KIN-88 Varsity Volleyball (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate volleyball
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed for students who meet the criteria to compete in intercollegiate volleyball. All varsity sports entail practice at designated times. This course may be repeated 3 times.

KIN-89 Varsity Beach Volleyball (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Must meet the criteria to compete in intercollegiate beach volleyball
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides instruction, training, and practice in the advanced techniques of beach volleyball and the opportunity for intercollegiate competition. Student-athletes will compete against member schools in their designated conference and against other colleges. All varsity sports entail practice at designated times. This course may be repeated three times.

KIN-90 Skill Development for Intercollegiate Athletes (1.50 units)
Transfer Status: CSU/UC
Prerequisite: Student-athletes currently participating in Intercollegiate Athletics
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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. This course may be repeated 3 times.

KIN-91 Strength and Conditioning for Intercollegiate Athletes (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Student-athletes currently participating in Intercollegiate Athletics
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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. This course may be repeated 3 times.

KIN-93 Pep Activities (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Dance family. See Courses/Course Families for more information.

KIN-94 Adaptive Physical Education (1.50 units)
Transfer Status: CSU/UC
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Adaptive family. See Courses/Course Families for more information.

KIN-95 Special Studies-KIN (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

LATN-Latin

LATN-1 First Semester Latin (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This is a translation course in elementary Latin, emphasizing a foundational knowledge of Latin pronunciation, vocabulary, grammar, and syntax. Students study the Latin linguistic influence on the English language. Critical discussions on the aspects of Roman civilization relevant to the Latin readings will provide the cultural background with which the student can assess the Roman contribution to modern society. Students who have completed at least one, but fewer than two years of high school Latin (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Second Semester Latin.

LATN-2 Second Semester Latin (4.00 units)
Transfer Status: CSU/UC
Prerequisite: LATN 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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.

LATN-95 Special Studies-LATN (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

LIS-Library and Information Science

LIS-11 Research Strategies (1.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course in college-level research provides students with a basic understanding of library research methods and the skills to identify, locate, access, evaluate, and cite sources effectively and ethically. Students are introduced to a variety of information resources and search tools available through academic libraries, with an emphasis on online resources. Additional topics include the value of information, misinformation/disinformation, and how bias and privilege play a part in information creation. These skills help students become strong researchers and life-long learners.

LM-Life Management

LM-40 Life Management (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the psychological, physiological and social principles needed to achieve personal success in college, relationships, the world of work and life. Students explore how life management strategies positively impact management of one’s goals, time, finances, stress and personal wellness; and learn to employ strategies for college success and lifelong learning by identifying one’s learning style, personality types, values, attitudes, skills and motivation. Within this course Adult Learning Theory will be explored including Mindset Theory and the influences they have on student success in college.

MATH-Mathematics

MATH-4 Concepts in Mathematics for Teachers I (3.00 units)
Transfer Status: CSU
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-4s Concepts in Mathematics for Teachers I with Support (3.00 units)
Transfer Status: CSU
Prerequisite: Intermediate Algebra or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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. This course will contain the same curriculum as MATH 4 but will also have embedded support to review key intermediate algebra concepts. This course emphasizes in-class activities and applications.

MATH-5 Concepts in Mathematics for Teachers II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: ENGL C1000 or ENGL C1000E
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-10 Finite Math for Liberal Arts (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is a survey of mathematical concepts in a variety of areas. Topics include 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.

MATH-11 Math for Liberal Arts (3.00 units)
Transfer Status: CSU
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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) (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-12s Mathematics for Business Decisions (Finite Mathematics) with Support (3.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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. This course will contain the same curriculum as MATH 12 but will also have embedded support to review key intermediate algebra concepts. This course emphasizes in-class activities and applications.

MATH-13 Survey of Calculus (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied. (C-ID MATH 140).

MATH-13s Survey of Calculus with Support (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 will contain the same curriculum as MATH 13 but will also have embedded support to review key intermediate algebra concepts. This course emphasizes in-class activities and applications.

MATH-20 Trigonometry (3.00 units)
Transfer Status: CSU
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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-26s College Algebra with Support (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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). This course will contain the same curriculum as MATH 26 but will also have embedded support to review key intermediate algebra concepts. This course emphasizes in-class activities and applications.

MATH-28 Precalculus (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Trigonometry or equivalent
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is preparation for calculus. It covers advanced algebra topics beyond the scope of Intermediate Algebra as well as the theory and applications of Trigonometry, both of which are necessary for success in calculus. Topics include polynomial, absolute value, radical, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, and polar coordinates.

MATH-28s Precalculus with Support (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Trigonometry or equivalent
Activity: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is preparation for calculus. It covers advanced algebra topics beyond the scope of Intermediate Algebra as well as the theory and applications of Trigonometry, both of which are necessary for success in calculus. Topics include polynomial, absolute value, radical, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, and polar coordinates. This course will contain the same curriculum as MATH 28 but will also have embedded support to review key intermediate algebra and geometry concepts. This course emphasizes in-class activities and applications.

MATH-30 Analytic Geometry and Calculus I (5.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 20 and MATH 26 or MATH 20 and MATH 26s, MATH 28 or MATH 28s, or college-level Pre-calculus or equivalent
Lecture: 85.00 Contact hours/170.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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-30s Analytic Geometry and Calculus I with Support (5.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 20 and MATH 26 or MATH 20 and MATH 26s, MATH 28 or MATH 28s, or college-level Pre-calculus or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Activity: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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. This course will contain the same curriculum as MATH 30 but will also have embedded support to review key pre-calculus concepts. This course emphasizes in-class activities and applications.

MATH-31 Analytic Geometry and Calculus II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 30 or MATH 30s
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is the second of a series in differential and integral calculus of a single variable. Topics will include the concept, techniques and applications of integration, infinite sequences and series, as well as polar and parametric equations. Intended for Science, Technology, Engineering & Math Majors. (C-ID MATH 220).

MATH-32 Analytic Geometry and Calculus III (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 31
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 31
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 30 or MATH 30s
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. (C-ID MATH 250).

MATH-95 Special Studies-MATH (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

MATH-318 Math Foundations (0.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course provides students the opportunity to refresh and build their math skills, including fractions, decimals, percents, proportions, integers, measurement, simplifying expressions, solving equations, graphing lines, factoring, solving quadratic equations, systems of equations, and simplifying expressions with exponents. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

MATH-328 Pre-Calculus Preparation (0.00 units)
Transfer Status: NT
Activity: 68.00 Contact hours/0.00 Out of class hours/68.00 Total hours/0.00 Unit(s)
This course is math preparation for pre-calculus. It covers advanced algebra topics including solving linear, quadratic, rational, and radical equations, and linear inequalities, operations on real and complex numbers, polynomials, rational expressions, and radical expressions. Topics will also include graphing linear, quadratic, and exponential equations in two variables, linear inequalities in one variable, and the conics, and solving systems of equations in two and three variables. Unlimited repeats. Satisfactory/Unsatisfactory only.

MATH-330 Calculus Preparation (0.00 units)
Transfer Status: NT
Activity: 68.00 Contact hours/0.00 Out of class hours/68.00 Total hours/0.00 Unit(s)
This course is math preparation for calculus. It covers advanced algebra topics beyond the scope of intermediate algebra. Topics include polynomial, absolute value, radical, exponential, logarithmic, and trigonometric functions and their graphs, analytic geometry, and polar coordinates. Unlimited repeats. Satisfactory/Unsatisfactory only.

MCGS-Multicultural and Gender Studies

MCGS-8 Introduction to Multicultural and Gender Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introduction to the concepts, terminology, and issues in multicultural and gender studies. Topics include an exploration of America's multicultural history, gender as an element of culture, social inequality, and contemporary social issues from multiple perspectives to arrive at a plural and multicultural understanding of American society.

MCGS-10 Introduction to Women's Studies (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to introduce students to women's studies as an interdisciplinary field of knowledge that explores critical questions about the meaning of gender in society. This course provides a foundational understanding of the experiences, contributions, and challenges faced by women throughout history and across cultures. By exploring key concepts, theories, and perspectives, students will gain insight into the complex issues surrounding gender, identity, and power dynamics in contemporary society. Women's studies strives to provide equal education to students by making the study of the history and culture of women and women's experiences, generally omitted from the traditional curriculum, the central focus of scholarship. Topics may include law, culture, education, work, social policy, the media, and the family. (C-ID SJS 120).

MCGS-95 Special Studies-MCGS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

MFG-Manufacturing

MFG-10 Introduction to Manufacturing Equipment (8.00 units)
Transfer Status: CSU
Corequisite: MFG 12, MFG 14, MFG 16
Lecture: 85.00 Contact hours/170.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 238.00 Contact hours/170.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
This course is designed to provide an introduction to basic manufacturing equipment as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills as well as the terminology, history and future of the advanced manufacturing industry. Students will develop necessary skills in basic measurement and trade math, proper tool selection, identifying equipment types, equipment maintenance, drawing interpretation, creating and processing work orders, quality assurance and efficient application of the knowledge of proper feeds, speeds, and pressures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-12 Introduction to Production Welding (3.00 units)
Transfer Status: CSU
Corequisite: MFG 10, MFG 14, MFG 16
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to provide an introduction to production welding using the gas metal arc welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, types of filler metal transfers, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-14 Introduction to Finishing (3.00 units)
Transfer Status: CSU
Corequisite: MFG 10, MFG 12, MFG 16
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to provide and introduction to basic finishing as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, trade math, and the industry terminology, industry history and future, types of finishes, base materials, surface prep, durability, application types, aesthetics, equipment types, equipment maintenance, troubleshooting of equipment, work orders, and quality assurance. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-16 Introduction to the Process of Modeling to Production (3.00 units)
Transfer Status: CSU
Corequisite: MFG 10, MFG 12, MFG 14
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to provide an introduction of modeling to production as it relates to advanced manufacturing. Emphasis will be placed on developing basic safety skills, trade math, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-20 Manufacturing Equipment (8.00 units)
Transfer Status: CSU
Prerequisite: MFG 10, MFG 12, MFG 14, MFG 16
Corequisite: MFG 22, MFG 24, MFG 26
Lecture: 85.00 Contact hours/170.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 238.00 Contact hours/170.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
This course is designed to introduce the principals and practices of manufacturing equipment as it relates to advanced manufacturing. Emphasis will be placed on developing safety and operation skills used to operate CNC manufacturing equipment. Students will also learn measuring and trade math, tool selection and identification, equipment types, equipment maintenance, drawings, work orders, quality assurance, feeds, speeds, and pressures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-22 Production Welding (3.00 units)
Transfer Status: CSU
Prerequisite: MFG 10, MFG 12, MFG 14, MFG 16
Corequisite: MFG 20, MFG 24, MFG 26
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to provide training in production welding using pulse spray gas metal arc welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-24 Finishing (3.00 units)
Transfer Status: CSU
Prerequisite: MFG 10, MFG 12, MFG 14, MFG 16
Corequisite: MFG 20, MFG 22, MFG 26
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to develop skills involving finishing applications in advanced manufacturing. Emphasis will be placed on developing safety skills, trade math, surface preparation, types of application equipment, application methods, aesthetics, durability, product types, equipment maintenance, troubleshooting of equipment, work orders, and quality assurance. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-26 Intermediate Modeling to Production (3.00 units)
Transfer Status: CSU
Prerequisite: MFG 10, MFG 12, MFG 14, MFG 16
Corequisite: MFG 20, MFG 22, MFG 24
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to develop intermediate skills related to modeling to production as it relates to the advanced manufacturing. Emphasis will be placed on developing basic safety skills, trade math, file types and conversions, applications of modeling and production software, equipment selection, data input, and production application. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-30 ERP (Enterprise Resource Planning) Software for Manufacturing (3.00 units)
Transfer Status: CSU
Prerequisite: MFG 20, MFG 22, MFG 24, MFG 26
Corequisite: MFG 32, MFG 34, MFG 36
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to introduce the principals and practices of ERP (enterprise resource planning) software as it relates to advanced manufacturing. Emphasis will be placed on developing introductory skills to ERP software in the areas of information, production, planning development, manufacturing, customers, and quality control. Students will begin to learn the flow of products through the facility and be able to recognize ways to increase efficiencies. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-32 Introduction to Robotic Welding (4.00 units)
Transfer Status: CSU
Prerequisite: MFG 20, MFG 22, MFG 24, MFG 26
Corequisite: MFG 30, MFG 34, MFG 36
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 119.00 Contact hours/85.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to provide an introduction to production welding using a robotic welding process as it relates to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, drawings, work orders, quality assurance, jigs, and fixtures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-34 3D Modeling to Production (3.00 units)
Transfer Status: CSU
Prerequisite: MFG 20, MFG 22, MFG 24, MFG 26
Corequisite: MFG 30, MFG 32, MFG 36
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to develop skills around the cycle of advanced manufacturing from 3D modeling to production. Emphasis will be placed on developing basic safety skills, trade math, and the industry terminology, history, and future. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-36 Internship with Local Trade Company (4.00 units)
Transfer Status: CSU
Prerequisite: MFG 20, MFG 22, MFG 24, MFG 26
Corequisite: MFG 30, MFG 32, MFG 34
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to develop students skills by simulations and field internship experiences required to meet industry standards and ISO 9000 (International Organization for Standardization), learn manufacturing standards and Cal OSHA standards and practices. Emphasis will be placed on developing safety skills, troubleshooting skills, production, shop flow, and equipment operations and capabilities. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-40 Advanced ERP (Enterprise Resource Planning) Software for Manufacturing (3.00 units)

Transfer Status: CSU
Prerequisite: MFG 30, MFG 32, MFG 34, MFG 36
Corequisite: MFG 42, MFG 44, MFG 46
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to provide the principals and practices of ERP (enterprise resource planning) software as it relates to advanced manufacturing. Emphasis will be placed on developing advanced skills related to ERP software in the areas of information, production, planning development, manufacturing, customers, and quality control, employees, quotes, sales orders, invoices, and billing. Students will advance their skills as it relates to the flow of products through the facility and be able to recognize ways to increase efficiencies. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-42 Advanced Robotic Welding (4.00 units)

Transfer Status: CSU
Prerequisite: MFG 30, MFG 32, MFG 34, MFG 36
Corequisite: MFG 40, MFG 44, MFG 46
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 119.00 Contact hours/85.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to develop skills in production welding using a robotic welding process as they relate to advanced manufacturing. Emphasis will be placed on developing safety skills, measuring skills, trade math, communication skills, focus on pulse spray transfer process, filler metals, shielding gases, materials, equipment operation, troubleshooting, and maintenance, single and dual sided, drawings, work orders, quality assurance, weld evaluation, jigs, and fixtures. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-44 Advanced 3D Modeling to Production (3.00 units)

Transfer Status: CSU
Prerequisite: MFG 30, MFG 32, MFG 34, MFG 36
Corequisite: MFG 40, MFG 42, MFG 46
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed to further develop skills around the cycle of advanced manufacturing from 3D modeling to production. Emphasis will be placed on developing basic safety skills, multiple layers to equipment, making assemblies of parts, using 2D materials to make 3D parts, and the industry terminology. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-46 Advanced Internship with Local Trade Company (4.00 units)

Transfer Status: CSU
Prerequisite: MFG 30, MFG 32, MFG 34, MFG 36
Corequisite: MFG 40, MFG 42, MFG 44
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 136.00 Contact hours/68.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to develop students skills by simulations and field internship experiences required to meet industry standards and ISO 9000 (International Organization for Standardization), learn manufacturing standards and Cal OSHA standards and practices. Emphasis will be placed on developing safety skills, production flows, shop operations, equipment operations and capabilities, tooling limitations, product design, product assembly, cost estimating, finishing, and management skills. These areas of instruction will be reinforced by hands-on application in several performance lab exercises.

MFG-97 Special Problems-MFG (1.00-3.00 units)

Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

MFG-99 Work Experience-MFG (0.50-8.00 units)

Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

MSP-Multimedia Studies Program

MSP-1 Multimedia Careers (3.00 units)
Transfer Status: CSU
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-2 Introduction to Makerspaces (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course explores makerspaces, maker culture, and tools (such as Arduino, CNC Routers, 3D Printers, and Virtual Reality) that accelerate maker tinkering. Through readings, discussion, and hands-on building, students construct insights, strategies, and skills to bring their ideas and projects from concept to completion.

MSP-3 Introduction to Virtual Reality (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the technical and experiential design foundations required for the implementation of immersive environments in current and future virtual, augmented and mixed reality platforms.

MSP-4 Introduction to Augmented Reality (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course gives students an opportunity to learn about a specific subset of mixed reality referred to as augmented reality. With the increasing numbers of application development packages from 3rd party developers, Augmented Reality (AR) development is becoming more intuitive and powerful. Through a wide-range of devices that access cameras and connect to the internet; such as smartphones, tablets and head-mounted displays, designing for the human experience is creating new life-like experiences for using these technologies. Application developers for these devices require a broad set of technical and design skills to create effective interactive AR experiences.

MSP-5 Introduction to Interactive Web Design and Authoring (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Digital Game Design and Production (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the use of current software tools for designing indie games. Topics include the creation of game art and the application of authoring to add interactivity. Students will learn to design simple games using multiple software authoring tools.

MSP-44 3D Printing & Rapid Prototype Design (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to 3D printing for designing and producing physical 3D projects for output. The course covers the foundations of digital 3D design for 3D printing.

MSP-45 3-D Computer Modeling and Animation (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-50 Digital Publication Design (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to electronic page layout and design. Topics include principles of traditional and digital document design, software instruction, basic principles of typography, layout, design, publishing and distribution.

MSP-51 Photoshop for Designers (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to using Adobe Photoshop for digital compositing in illustration, advertising design, multimedia projects, designing for print media, and creating typographic imagery for design projects. Topics include: incorporating Photoshop into projects developed for print and online design, creating digital collages, and producing digital output for clients in the design industries.

MSP-53 Designing for Mobile Devices (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to designing for mobile touchscreen devices including smartphones and tablets. Topics include developing mobile concepts, designing for mobile devices, prototyping, user experience and user interaction design processes.

MSP-55 Introduction to Drone Management and Operations (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the operation of drones, Unmanned Aerial Systems (UAS) and current and future developments within industries utilizing these systems. Topics include: ethical and legal issues, industry standards, operating unmanned aerial vehicles, communication, navigation, launch and recovery, control stations, payloads, video and photography and support equipment.

MSP-56 Drone Video and Photography (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Students will be introduced to the world of Unmanned Aerial Systems. This course takes a look at everything from current Unmanned Aircraft Systems to future civilian applications. In addition to learning about this new industry, students will be introduced to flying remotely piloted aircraft and operating entry level Unmanned Aerial Vehicles for the purposes of recording video and digital imaging.

MSP-68 T-Shirt Design and Promotional Products (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-96 Introduction to Computer Graphics (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-97 Special Problems-MSP (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

MSP-99 Work Experience-MSP (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

MSP-300 Maker Space Supervised Training and Skill Building (0.00 units)
Transfer Status: NT
Lab: 136.00 Contact hours/0.00 Out of class hours/136.00 Total hours/0.00 Unit(s)
This course provides students with tutorial and training support using instructional aides, student tutors, and instructional technicians, to develop skills needed for modern computer-aided creation technologies used increasingly in a variety of traditional career tracks including creative arts, marketing, entrepreneurship and prototyping in engineering applications. The maker space course will allow for supported creation based choices made across programs and pedagogy to utilize hands on activities in a diverse cross-disciplinary environment. Unlimited repeats. Ungraded. Open Entry/Open Exit.

MUS-Music

MUS-1 Music Appreciation (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
A survey of art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world. Students will develop active listening skills and explore music's connections to history, culture, other art forms, and the interplay of global musical traditions. (C-ID MUS 100).

MUS-2 Rap and Hip Hop Culture (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course traces the social, historical, and cultural influences of rap and hip-hop as an artistic form and global cultural phenomenon. It is designed for students who wish to examine and explore hip-hop culture while developing background knowledge of hip-hop history. The course will explore hip-hop's global impact and how it has developed as an art form. Key performers, producers, and movement voices are highlighted. The connections between rap music and other elements of hip-hop culture will be explored and students will be challenged to think critically about rap music and its place in society. Various societal issues within rap and hip-hop will be thoroughly examined, including race, sexuality, class, authenticity, violence, gender, censorship, and politics.

MUS-3 Music Fundamentals (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-4 Song Writing (2.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 3
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed to teach students the basics of song writing with emphasis on the four primary elements required to write a good song: lyric development, chord progressions, melodic development, and song forms. Focus will be on creative songwriting by individuals and in teams, reflecting the trends in the modern music industry.

MUS-5 American Popular Music (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the diverse roles of women in music throughout history and across cultures, highlighting their contributions as composers, performers, producers, and cultural leaders. It explores a wide range of musical traditions, from Western art music to jazz, gospel, folk, country, and popular music, with a global perspective on non-Western and Indigenous practices. Students will analyze the intersection of gender, identity, and cultural context, as well as the impact of social movements, technology, and digital platforms on women's visibility and representation. By addressing both historical achievements and contemporary challenges, the course emphasizes the enduring influence of women in shaping music and society. No prior musical experience is necessary.

MUS-7 Jazz Appreciation (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-8 Music of Latin America and the Caribbean (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the musical traditions of Latin America, the Caribbean, and Latin music in the United States. Students will study music as a form of communication and as a social and cultural force. The course will focus on the rhythms, melodies, and cultural contexts of the music and will examine the role of music in social and political movements. Through lectures, discussions, and hands-on activities, students will gain a deeper understanding of the music's evolution, cultural significance, and its impact on the global stage.

MUS-9 World Music (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-20 Guitar I (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Guitar family. See Courses/Course Families for more information.

MUS-21 Guitar II (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Guitar family. See Courses/Course Families for more information.

MUS-22 Guitar III (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Guitar family. See Courses/Course Families for more information.

MUS-23 Guitar IV (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Guitar family. See Courses/Course Families for more information.

MUS-30 Voice I (1.00 units)
Transfer Status: CSU/UC
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course introduces students to fundamental vocal techniques, emphasizing essential skills in tone production, breath control, posture, and pronunciation through the study of diverse vocal literature. Students will practice solo performance skills and basic musicianship throughout the semester.
Course families are groups of active participatory courses that are related in content. This course is part of the Voice family. See Courses/Course Families for more information.

MUS-31 Voice II (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Voice family. See Courses/Course Families for more information.

MUS-32 Voice III (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Voice family. See Courses/Course Families for more information.

MUS-33 Voice IV (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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).
Course families are groups of active participatory courses that are related in content. This course is part of the Voice family. See Courses/Course Families for more information.

MUS-40 Piano I (1.00 units)
Transfer Status: CSU/UC
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
A first-level introductory course in piano, open to both music and non-music majors. This course provides instruction in elementary music-reading and beginning keyboard skills, including basic piano technique, major and minor five-finger patterns, major scales, keyboard harmony, and sight-reading through beginning piano repertoire. (C-ID MUS 170).
Course families are groups of active participatory courses that are related in content. This course is part of the Piano family. See Courses/Course Families for more information.

MUS-41 Piano II (1.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 40
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
A second-level introductory course in piano, open to both music and non-music majors. This course continues instruction in music-reading and keyboard skills, including piano technique, major scales and arpeggios, sight-reading, keyboard harmony, and basic transposition skills through upper-beginning piano repertoire. (C-ID MUS 171).
Course families are groups of active participatory courses that are related in content. This course is part of the Piano family. See Courses/Course Families for more information.

MUS-42 Piano III (1.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 41
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
An intermediate-level piano course, open to both music and non-music majors. This course continues instruction in advancing keyboard skills, including piano technique, major and minor scales and arpeggios, sight-reading, expanded keyboard harmony, and transposition skills through intermediate piano repertoire. (C-ID MUS 172).
Course families are groups of active participatory courses that are related in content. This course is part of the Piano family. See Courses/Course Families for more information.

MUS-43 Piano IV (1.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 42
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
An advanced intermediate-level piano course, open to both music and non-music majors. This course provides continuing instruction in advanced keyboard skills, including piano technique, all major and minor scales and arpeggios, sight-reading, and advanced keyboard harmony through advanced intermediate piano repertoire.
Course families are groups of active participatory courses that are related in content. This course is part of the Piano family. See Courses/Course Families for more information.

MUS-51 Digital Music Production I (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to digital music production beginning with computer system operation and file management techniques. Students will apply practical concepts of modern music composition like programming drums, recording MIDI instruments, arranging and mixing, as well as post-production techniques including compression, equalization, reverb and other audio post effects.

MUS-52 Introduction to Recording Techniques (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
In this course students will learn the fundamentals of studio recording techniques. Topics will include the history of recording technology, the fundamentals of sound, signal flow, microphone techniques, Digital Audio Workstations (DAWs), recording techniques, mixing consoles and typical studio gear. Students will gain hands-on experience with industry standard studio equipment in a professional quality recording studio.

MUS-53 Digital Music Production II (3.00 units)
Transfer Status: CSU
Prerequisite: MUS 51
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course covers computer music production. The use of Digital Audio Workstations (DAWs) in composition and post-production are covered with hands-on project based learning, theory and demonstrations. Students will compose original music using software instruments and MIDI (Musical Instrument Digital Interface). Students will also study and complete audio post-production projects such as mixing a professional song, creating a radio commercial and creating a podcast.

MUS-54 Studio Recording I (3.00 units)
Transfer Status: CSU
Prerequisite: MUS 51, MUS 52
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This is a hands-on, project-based course in which students will apply learned methods and skills to Lab practice sessions and studio recording sessions. Students will set up and record using microphone technique, signal flow, gain staging and DAW recording, to create professional quality recordings. Students will learn proper microphone technique and post-production mixing techniques. The course will also cover how to copyright and publish music.

MUS-55 Studio Recording II (3.00 units)
Transfer Status: CSU
Prerequisite: MUS 54
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This is a project-based course in which students will learn and apply advanced methods and skills to studio recording sessions and song production. The course includes concepts and techniques for advanced microphone technique and signal flow. Students will schedule, organize and produce recording sessions with musical artists and bands, and complete student recordings using advanced mixing techniques on analog consoles and Digital Audio Workstations (DAWs). Additional concepts will include studio etiquette, copyright, publishing and distribution of songs and albums.

MUS-60 Orchestra (1.50 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
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 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the String family. See Courses/Course Families for more information.

MUS-61 Pop Ensemble (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Ability to sing or play at least one instrument. Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the popular music ensemble, with an emphasis on the development of skills needed to perform within a specialized ensemble. Different literature will be studied each semester. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 185).
Course families are groups of active participatory courses that are related in content. This course is part of the Pop family. See Courses/Course Families for more information.

MUS-62 Concert Band (1.00 units)
Transfer Status: CSU/UC
Prerequisite: Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the Concert Band family. See Courses/Course Families for more information.

MUS-63 Symphonic Band (1.50 units)

Transfer Status: CSU/UC
Prerequisite: Ability to play at least one instrument commonly used in the wind band; audition required
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the Concert Band family. See Courses/Course Families for more information.

MUS-64 Jazz Ensemble (1.50 units)

Transfer Status: CSU/UC
Prerequisite: Ability to play at least one instrument commonly used in jazz ensemble. Audition required
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course is for the study, rehearsal, and public performance of jazz literature with an emphasis on the development of skills needed to perform within a large jazz 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 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the Jazz family. See Courses/Course Families for more information.

MUS-65 Jazz Combo (1.00 units)

Transfer Status: CSU/UC
Prerequisite: Ability to play an instrument or sing; audition required
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the small jazz combo, with an emphasis on the development of skills needed to perform within a specialized ensemble. Different literature will be studied each semester. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 185).
Course families are groups of active participatory courses that are related in content. This course is part of the Chamber Music family. See Courses/Course Families for more information.

MUS-66 Pep Band (1.00 units)

Transfer Status: CSU/UC
Prerequisite: Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the Pep Band family. See Courses/Course Families for more information.

MUS-67 Percussion Ensemble (1.00 units)

Transfer Status: CSU/UC
Prerequisite: Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the percussion ensemble, with an emphasis on the development of skills needed to perform within a percussion ensemble. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 185).
Course families are groups of active participatory courses that are related in content. This course is part of the Percussion family. See Courses/Course Families for more information.

MUS-68 Guitar Ensemble (1.00 units)

Transfer Status: CSU/UC
Prerequisite: Ability to play the guitar. Audition required.
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the guitar ensemble, with an emphasis on the development of skills needed to perform within a guitar ensemble. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 185).
Course families are groups of active participatory courses that are related in content. This course is part of the String family. See Courses/Course Families for more information.

MUS-69 Chamber Music (1.00 units)

Transfer Status: CSU/UC
Prerequisite: Ability to play an instrument or sing; audition required
Activity: 34.00 Contact hours/17.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the chamber ensemble, with an emphasis on the development of skills needed to perform within a specialized ensemble. Different literature will be studied each semester. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 185).
Course families are groups of active participatory courses that are related in content. This course is part of the Chamber Music family. See Courses/Course Families for more information.

MUS-70 Choir (1.00 units)
Transfer Status: CSU
Prerequisite: Audition Required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified voice. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 180).
Course families are groups of active participatory courses that are related in content. This course is part of the Choir family. See Courses/Course Families for more information.

MUS-80 Theory & Musicianship I (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
A comprehensive study of diatonic harmony and musicianship, including principles of voice leading in four-part texture, harmonic analysis, melody harmonization, non-chord tones, and basic forms (strophic, binary, ternary). Musicianship component develops skills in sight singing and dictation, including rhythmic exercises, interval recognition, melodic reading and dictation in major and minor scales, and basic harmonic dictation. (C-ID MUS 120/MUS 125).

MUS-82 Theory & Musicianship II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 80
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course incorporates and further develops the concepts from Theory & Musicianship I and introduces chromatic harmony. Topics include seventh chords and their inversions, secondary chords, modulation techniques, and musical forms (theme and variations, rondo, sonata). Musicianship component develops advanced skills in sight singing and dictation, including compound rhythms, alto and tenor clefs, compound melodies, and harmonic dictation using diatonic triads and seventh chords. (C-ID MUS 130/MUS 135).

MUS-84 Theory & Musicianship III (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 82
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course incorporates and further develops the concepts from Theory & Musicianship II and explores advanced chromatic harmony. Topics include borrowed chords, Neapolitan chord, augmented sixth chords, altered chords, chromatic modulation techniques, and an introduction to post-tonal music. Musicianship component develops advanced skills in sight singing and dictation, including decorative chromaticism, altered chords, modulation to closely related keys, and irregular meters. (C-ID MUS 140/MUS 145).

MUS-86 Theory & Musicianship IV (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 84
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course incorporates and further develops concepts covered in Theory & Musicianship III. Through guided composition and analysis, the course will include late Romantic, Neo-Romantic, and Modernist harmonic and rhythmic structures and techniques. In addition, rhythmic, melodic, and harmonic materials are applied and developed through ear training, sight singing, analysis, and dictation. Activities in class may include performing exercises on piano and sight-singing rhythmic and melodic exercises. (C-ID MUS 150/MUS 155).

MUS-87 Music Composition (3.00 units)
Transfer Status: CSU/UC
Prerequisite: MUS 3
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to original musical composition for solo and chamber music as well as music in multimedia. Through the analysis of applicable musical literature, this course explores instrumentation, orchestration, form and structure, timbre, pitch, rhythm, texture, interculturalism, and contemporary music notation. The course includes an introduction to music in multimedia, including music for film and video games. Students will be expected to compose original compositions, produce performances, and create a portfolio of their work.

MUS-88 Applied Music (0.50 units)
Transfer Status: CSU/UC
Prerequisite: Audition Required
Corequisite: MUS 60, MUS 61, MUS 63, MUS 64, MUS 70 or Other ensemble
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
This course consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied through private instruction. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. This course may be repeated 3 times to meet the requirements of the AA-T in Music. (C-ID MUS 160).

MUS-89 Jazz Composition and Arranging (3.00 units)
Transfer Status: CSU
Prerequisite: MUS 3
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course delves into the realm of jazz theory and explores diverse jazz styles from a practical perspective. Through the studies of jazz harmony and melody construction in improvisation, students learn how to arrange and compose for jazz ensembles. Covered topics include historical awareness of the subject, terminology, chord symbols, clear lead sheet notation, transpositions, and scales, rhythms, and harmonies commonly used in jazz and popular music.

MUS-90 Introduction to the Music Industry (2.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
A survey of the music industry with focus on the skill, experience, and education needed for careers within the music industry. Topics include music publishing, performing rights, copyright issues, resume building, artist statements, publicity, music licensing, digital distribution, record companies, and artist management.

MUS-92 Introduction to Music Education (2.00 units)
Transfer Status: CSU
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 51.00 Contact hours/51.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an introduction to music teaching. Topics covered include pedagogical methods, classroom management, lesson planning, and potential career options in music education, including TK-12 and private teaching. Students will develop their own philosophy of music education through readings, observations, and guided teaching. In addition to class time, the course requires 17 hours of structured fieldwork in music education settings in cooperation with carefully selected and campus-approved teachers.

MUS-95 Special Studies-MUS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

MUS-99 Work Experience-MUS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

MUS-360 Orchestra (0.00 units)
Transfer Status: NT
Prerequisite: Audition required
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/0.00 Unit(s)
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 is intended for older adults. Unlimited repeats. Ungraded.

MUS-361 Pop Ensemble (0.00 units)
Transfer Status: NT
Prerequisite: Ability to sing or play at least one instrument. Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the popular music ensemble, with an emphasis on the development of skills needed to perform within a specialized ensemble. Different literature will be studied each semester. This course is intended for older adults. Unlimited repeats. Ungraded.

MUS-362 Concert Band (0.00 units)
Transfer Status: NT
Prerequisite: Audition required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
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 is intended for older adults. Unlimited repeats. Ungraded.

MUS-363 Symphonic Band (0.00 units)
Transfer Status: NT
Prerequisite: Ability to play at least one instrument commonly used in the wind band. Audition required
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/0.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course is intended for older adults. Unlimited repeats. Ungraded.

MUS-364 Jazz Ensemble (0.00 units)
Transfer Status: NT
Prerequisite: Ability to play at least one instrument commonly used in jazz ensemble. Audition required.
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/0.00 Unit(s)
This course is for the study, rehearsal, and public performance of jazz literature with an emphasis on the development of skills needed to perform within a large jazz ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course is intended for older adults. Unlimited repeats. Ungraded.

MUS-370 Choir (0.00 units)
Transfer Status: NT
Prerequisite: Audition Required
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course is for the study, rehearsal, and public performance of literature appropriate to the ensemble, with an emphasis on the development of skills needed to perform within a large ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified voice. This course is intended for older adults. Unlimited repeats. Ungraded.

NR-Natural Resources

NR-12 Dendrology/Native Plant Identification (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is the study of botanical characteristics, taxonomy, physiology, and community relationships of the major trees and shrubs in the Western United States. Discussion of commercial uses and geographic ranges of these plants.

NR-20 Introduction to Forestry and Natural Resources (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the techniques, issues and laws pertaining to recreational land management. Topics include types of recreational activities, evaluation of site resources, maintenance and operation of outdoor recreational facilities. Analyses of social and economic factors that affect participation in recreational activities will be included.

NR-70 Geospatial Data Applications (2.00 units)
Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an introduction to applied Geographical Information Systems (GIS) and provides the knowledge and practical experience necessary to develop skills in the acquisition of Global Positioning System's (GPS) data and its application to (GIS) for presentation and use in precision agriculture, field biology/botany, natural resources and park-land management, as well as heavy equipment operation. No previous GIS experience is assumed.

NR-97 Special Problems-NR (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

NR-99 Work Experience-NR (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

NSG-Nursing

NSG-1 Accelerated Track Foundations of Practice (1.00 units)
Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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-2 Accelerated Track Pharmacology I (1.00 units)
Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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. Topics Include Drugs Affecting the Respiratory System, Anti-Infective and Anti-Inflammatory Drugs, Immune and Chemotherapy Drugs, Drugs Affecting the Gastrointestinal Tract & Nutrition, Dermatologic, Ophthalmic, and Otic Drugs, Coagulation Modifier and Diuretic Drugs. Graded only.

NSG-3 Accelerated Track Medical Surgical Nursing IA (1.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

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. This course also explores concepts and challenges in client management in acute and chronic illnesses. 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. Topics include: fluid and electrolyte balance and disturbances, parenteral therapy, diabetes and respiratory disorders. The focus is on the care of clients with acute and chronic problems and client education. Graded only.

NSG-4 Accelerated Track Medical Surgical Nursing IB (2.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)

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. This course also explores concepts and challenges in client management in acute and chronic illnesses. 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. Topics include fluid and electrolyte balance and disturbances, parenteral therapy, diabetes and respiratory disorders. The focus is on the care of clients with acute and chronic problems, and client education. Graded only.

NSG-5 Accelerated Track Foundations Clinical (2.00 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)

This course applies theory from NSG 1, NSG 2, NSG 3, and NSG 4 in the skills lab. Emphasis will be placed upon the role of the registered nurse in delivery of basic bedside care, mastery of basic nursing skills, medication administration, and applying the nursing process to delivery of safe care. Pass/No Pass only.

NSG-6 Accelerated Track Clinical I (4.00 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)

This course applies theory from NSG 1, NSG 2, NSG 3, and NSG 4 to the hospitalized client utilizing clinical experience 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-7 Accelerated Track Normal and Advanced Obstetrics Nursing (1.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

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-8 Accelerated Track Normal and Advanced Pediatric Nursing (1.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

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. Graded only.

NSG-9 Accelerated Track Mental Health and Psychiatric Nursing (1.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

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-10 Accelerated Track Advanced Medical Surgical Nursing II (1.50 units)

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)

This course addresses the nursing of adult clients with acute and chronic illnesses. Common chronic and acute illnesses, adaptation to, and acute episodes of these illnesses in the acute hospital setting are covered. 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. Topics include cardiovascular disorders. Graded only.

NSG-11 Accelerated Track Obstetrics and Pediatric Nursing Clinical (2.00 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course provides directed clinical experience in acute hospitals and agencies that provide services for maternity and pediatric clients. Through the use of the nursing process, the student will provide care, teaching, support, and rehabilitation for maternity and pediatric clients. Emphasis will be upon the role of the registered nurse in caring for obstetric and pediatric clients and prevention of complications related to maternity, pediatric clients, and client education. Pass/No Pass only.

NSG-12 Accelerated Track Clinical Medical/Surgical II and Mental Health Nursing (4.00 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course provides directed clinical experience in acute hospitals and agencies that provide services for mental health and medical/surgical clients. Through the use of the nursing process, the student will provide care, teaching, support, and rehabilitation for mental health 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 mental health and medical/surgical clients, and client education. Observation and participation in a variety of community mental health settings allows the student to use the theory in supervised practice. Pass/No Pass only.

NSG-13 Accelerated Track Associate Degree Nursing Capstone (0.50 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 8.50 Contact hours/17.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
This course provides an opportunity for students enrolled in the Associate Degree Nursing (ADN) program to develop skills in leading and managing patient care and prepare for passage of the licensure examination. Content includes presentation of the registered nurse's role in planning, organizing, staffing and directing safe patient-centered care. Professional and social issues in leadership and management will also be discussed. Graded only.

NSG-14 Accelerated Track Gerontology and Community Based Nursing (1.50 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
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. Graded only.

NSG-15 Accelerated Track Pharmacology II (1.00 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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. Topics Include Central Nervous System Agents, Anti-Epileptic & Anti-Parkinson Drugs, Drugs Affecting the Autonomic Nervous System, Drugs Affecting the Cardiovascular System, Drugs Affecting the Endocrine System, Men's and Women's Health Drugs. Graded only.

NSG-16 Accelerated Track Advanced Medical Surgical Nursing III (4.00 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course covers the nursing care of adult clients with high risk, complex, and critical health care problems and adaptation to these problems. Students will study the nursing process related to the care of patients with multiple system disorders, unstable medical conditions, and critical health care disorders. This course emphasizes pathophysiology, complex issues in nursing process and professional and advocacy nursing roles. Topics include Emergency and Critical Care, Hemodynamic monitoring, renal system, hematology/Immune System, Endocrine Disorders, Shock and Neurology. Graded only.

NSG-17 Accelerated Track Clinical III (6.00 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lab: 306.00 Contact hours/0.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
This course provides students with directed clinical experience 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-18 Fundamentals of Nursing (3.00 units)

Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (7.00 units)
Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 18, NSG 22, NSG 23, NSG 24, NSG 28
Lab: 357.00 Contact hours/0.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 18, NSG 21, NSG 23, NSG 24, NSG 28
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 18, NSG 21, NSG 22, NSG 24, NSG 28
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 28
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU
Prerequisite: Admission to Vocational Nursing Program
Corequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 (7.00 units)
Transfer Status: CSU
Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Corequisite: NSG 32, NSG 35, NSG 36 and NSG 37
Lab: 357.00 Contact hours/0.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Corequisite: NSG 31, NSG 35, NSG 36, NSG 37
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course provides an introduction to nursing care related to clients in the preoperative, intraoperative and postoperative phases of surgical care. Implications of fluid and electrolyte imbalances and infection control during surgery are also addressed. 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 (3.00 units)
Transfer Status: CSU
Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Corequisite: NSG 31, NSG 32, NSG 36, NSG 37
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Corequisite: NSG 31, NSG 32, NSG 35, NSG 37
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28
Corequisite: NSG 31, NSG 32, NSG 35, NSG 36
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (7.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 42, NSG 43, NSG 44, NSG 47, NSG 49
Lab: 357.00 Contact hours/0.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 41, NSG 43, NSG 44, NSG 47, NSG 49
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 41, NSG 42, NSG 44, NSG 47, NSG 49
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 41, NSG 42, NSG 43, NSG 47, NSG 49
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an exploration of the psychology of maladaptive behavior and students are introduced to principles and strategies for the promotion of wellness. Graded only.

NSG-47 Oncology Nursing (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 41, NSG 42, NSG 43, NSG 44, NSG 49
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 31, NSG 32, NSG 35, NSG 36, NSG 37
Corequisite: NSG 41, NSG 42, NSG 43, NSG 44, NSG 47
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course provides an overview of the role of a nurse manager/supervisor and leader in a structured setting. The focus is on the development of the basic skills that facilitate the management process. Career opportunities, employer/employee relationships and responsibilities, as well as professional expectations are explored. This course will also provide an overview of nursing history, theory, legal and ethical concerns, and scope of practice of the LVN. Graded only.

NSG-50 Principles of I.V. Therapy and Blood Withdrawal (2.50 units)

Transfer Status: CSU
Prerequisite: Graduate Vocational Nurse or Licensed Vocational Nurse
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 59.50 Contact hours/68.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
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-51 Accelerated Track Transition to ADN Nursing I (1.50 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course builds on the knowledge and skills acquired in NSG 127. The course expands the students' understanding of the registered nurse's role as part of the healthcare team. Course content emphasizes medical/surgical knowledge, competencies and skills essential for successful performance in the LVN's advanced placement of the ADN program. There will also be review of OB and Peds content to ensure preparation and success in the ADN program. Clinical application of the registered nurse's role will be incorporated within the simulation and skills lab environment. Graded only.

NSG-52 Accelerated Track Transition to ADN Nursing II (1.50 units)

Transfer Status: CSU
Prerequisite: Admission to Accelerated Track Registered Nursing Program
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
This course assists the LVN in acquiring nursing skills and processes necessary for functioning in the of an associate degree-nursing program. Course content emphasizes medical/surgical knowledge, competencies and skills essential for successful performance in the LVN's advanced placement of the ADN program. The course content will focus on competencies expected of the graduate ADN. Graded only.

NSG-54 Foundations of Practice (3.00 units)

Transfer Status: CSU
Prerequisite: Admission to Associate Degree Nursing Program
Corequisite: NSG 55, NSG 56
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course utilizes the conceptual framework of the nursing curriculum to provide the foundation for nursing practice. Common threads integrated throughout the program are nursing process, nutrition, medication administration, cultural diversity, communication and professional roles. Topics include an introduction to nursing care, legal and ethical aspects, therapeutic communication, and concepts underlying current professional practice. This course provides a foundation to prepare the student to use critical thinking and the nursing process in providing direct patient care. Graded only.

NSG-55 Medical Surgical Nursing I (4.00 units)

Transfer Status: CSU
Prerequisite: Admission to Associate Degree Nursing Program
Corequisite: NSG 54, NSG 56
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (5.00 units)

Transfer Status: CSU
Prerequisite: Admission to Associate Degree Nursing Program
Corequisite: NSG 54, NSG 55
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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-60 Maternity Nursing (2.00 units)

Transfer Status: CSU
Prerequisite: NSG 54, NSG 55, NSG 56
Corequisite: NSG 62, NSG 63, NSG 66
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: Admission to ADN Program
Corequisite: NSG 67, NSG 68, NSG 69
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is a study of the fundamental concepts of pharmacology, with a focus on pharmacokinetics, pharmacodynamics, and related nursing implications for the major drug classes. Nursing process and cultural implications will be discussed for the basic drug classifications. Graded only.

NSG-62 Medical-Surgical Nursing II (4.00 units)
Transfer Status: CSU
Prerequisite: NSG 54, NSG 55, NSG 56
Corequisite: NSG 60, NSG 63, NSG 66
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 54, NSG 55, NSG 56
Corequisite: NSG 60, NSG 62, NSG 66
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU
Prerequisite: Currently licensed as a Licensed Vocational Nurse
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course assists the LVN in acquiring nursing skills and processes necessary for functioning in the second year of an associate degree-nursing program. The course introduces the philosophy and conceptual framework of the program and the roles of the registered nurse as a care provider. The course content will focus on competencies expected of the graduate ADN, communication and critical thinking skills, legal and ethical role, RN role development, math computations in dimensional analysis format and nursing assessment and documentation. Graded only.

NSG-65 Transition to ADN Nursing II (3.00 units)
Transfer Status: CSU
Prerequisite: Currently licensed as a Licensed Vocational Nurse
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (5.00 units)
Transfer Status: CSU
Prerequisite: NSG 54, NSG 55, NSG 56
Corequisite: NSG 60, NSG 62, NSG 63
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
This course provides directed clinical experiences in acute hospitals and agencies that provide services for maternity, pediatric, perioperative and medical/surgical clients. Through the use of the nursing process, the student will provide care, teaching, support, and rehabilitation to for maternity, pediatric, perioperative and medical/surgical clients. Emphasis will be upon the role of the registered nurse in caring for clients with acute and chronic problems, prevention of complications related to maternity, pediatric, perioperative and medical/surgical clients, and client education. Pass/No Pass only.

NSG-67 Complex Medical/Surgical Nursing III (4.00 units)
Transfer Status: CSU
Prerequisite: Admission to ADN Program
Corequisite: NSG 61, NSG 68, NSG 69
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses. Students study common chronic and acute illnesses, adaptation to, and acute episodes of these illnesses in the acute hospital setting. Physical assessment of the adult, normal development and physiology, nutrition, pharmacology, sexuality, cultural factors, and prevention and early detection measures appropriate to the various nursing problems are discussed. Nursing process to promote adaptation is stressed throughout the course. Graded only.

NSG-68 Clinical Nursing III (5.00 units)
Transfer Status: CSU
Prerequisite: Admission to ADN Program
Corequisite: NSG 61, NSG 67, NSG 69
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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 to 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 (2.00 units)
Transfer Status: CSU
Prerequisite: Admission to ADN Program
Corequisite: NSG 61, NSG 67, NSG 68
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course focuses on the needs of the older adults and the disabled/chronically ill older adult in the community, home health, and dementia care settings. Course content builds on the student's knowledge of the aging process by the study of dynamics, etiology, and treatment of the rapidly growing aging population. Emphasis is placed on assisting client adaptation to normal age-related changes and chronic aging conditions as well as healthy/robust aging practices. Course content includes geriatric nursing, management of chronic illness, and healthy aging. The nursing process is utilized to assist the student in the planning of goal directed care for this client population.

NSG-74 Associate Degree Nursing Capstone (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 61, NSG 67, NSG 68, NSG 69
Corequisite: NSG 77, NSG 78, NSG 79
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course provides an opportunity for students enrolled in the Associate Degree Nursing (ADN) program to develop skills in leading and managing patient care and prepare for passage of the licensure examination. Content includes presentation of the registered nurse's role in planning, organizing, staffing and directing safe patient-centered care. Professional and social issues in leadership and management will also be discussed. Graded only.

NSG-77 Complex Medical/Surgical Nursing IV (4.00 units)
Transfer Status: CSU
Prerequisite: NSG 61, NSG 67, NSG 68, NSG 69
Corequisite: NSG 74, NSG 78, NSG 79
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course covers the nursing care of adult clients with high risk, complex, and critical health care problems and adaptation to these problems. Students will study the nursing process related to the care of patients with multiple system disorders, unstable medical conditions, and critical health care disorders. This course is a continuation of topics addressed in NSG 67 and emphasizes pathophysiology, complex issues in nursing process and professional and advocacy nursing roles. Graded only.

NSG-78 Clinical Nursing IV (5.00 units)
Transfer Status: CSU
Prerequisite: NSG 61, NSG 67, NSG 68, NSG 69
Corequisite: NSG 74, NSG 77, NSG 79
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: NSG 61, NSG 67, NSG 68, NSG 69
Corequisite: NSG 74, NSG 77, NSG 78
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed to enable the student to acquire knowledge and skills in the systematic observation of patients with psychopathologic syndromes and developmental disabilities. Students will also increase their general knowledge of the dynamics, etiology, and treatment of psychopathology. Emphasis is placed on further development of the nurse's therapeutic self, and the utilization of the nursing process. This course is specifically directed toward the identification of nursing care goals, approaches, and interventions which are applicable to any patient experiencing psychological distress. Graded only.

NSG-88 Med/Surg III (30 Unit Option) (2.00 units)
Transfer Status: CSU
Prerequisite: Admission to ADN Program, NSG 64
Corequisite: NSG 61, NSG 68, NSG 69
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed for students receiving a 30 Unit option ONLY. The 30 Unit option is a certificate only and will not receive a degree. Approval for taking this course is made with the Nursing Department Chair. This course addresses the nursing of adult and geriatric clients with acute and chronic illnesses. Students study common chronic and acute illnesses, adaptation to, and acute episodes of these illnesses in the acute hospital setting. Physical assessment of the adult, normal development and physiology, nutrition, pharmacology, sexuality, cultural factors, and prevention and early detection measures appropriate to the various nursing problems are discussed. Nursing process to promote adaptation is stressed throughout the course. Graded only.

NSG-89 Med/Surg IV (30 Unit Option) (2.00 units)

Transfer Status: CSU
Prerequisite: NSG 61, NSG 68, NSG 69, NSG 88
Corequisite: NSG 74, NSG 78, NSG 79
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed for students receiving a 30 Unit option ONLY. The 30 Unit option is a certificate only and will not receive a degree. Approval for taking this course is made with the Nursing Department Chair. This course covers the nursing care of adult clients with high risk, complex, and critical health care problems and adaptation to these problems is addressed. Students will study the nursing process related to the care of patients with multiple system disorders, unstable medical conditions, and critical health care disorders. This course is a continuation of topics addressed in NSG 88 and emphasizes pathophysiology, complex issues in nursing process and professional and advocacy nursing roles. Graded only.

NSG-97 Special Problems-NSG (1.00-3.00 units)

Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

NSG-99 Work Experience-NSG (0.50-8.00 units)

Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

NSG-100 CNA Basic Nursing Care, Theory (4.00 units)

Transfer Status: NT
Corequisite: NSG 101
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course covers the Certified Nurse's Aide (CNA) theory of care in long term settings. The major focus is patient care skills, patient care procedures, and how to respond to individuals and occurrences associated with long term care. Additional content in the course presents the role and responsibilities of the certified nursing assistant, basic principles of asepsis, safety, nutrition and rehabilitation. Successful completion of this course and NSG 101 qualifies the student to take the Written and Manual Skills testing for State Certification. Graded only.

NSG-101 CNA Basic Nursing Care, Clinical (3.00 units)

Transfer Status: NT
Corequisite: NSG 100
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides the necessary laboratory and clinical experience for development of skills and competencies in basic nursing for a Certified Nurse's Aide (CNA). Successful completion provides the required laboratory/clinical experience necessary to qualify for the Written and Manual Skills testing for State Certification. Pass/No Pass only.

NSG-102 CNA Acute Care (4.00 units)

Transfer Status: NT
Prerequisite: Current CNA License
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 76.50 Contact hours/0.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Total: 119.00 Contact hours/85.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course provides the Certified Nurse Aide (CNA) the knowledge and skills needed to function in an acute care setting. Topics include Scope of Practice guidelines, effective communication, and proper procedures for care of patients with a variety of conditions in the acute care setting. Students will learn about common acute and chronic conditions that require hospitalization and surgical procedures that patients undergo in the acute care setting. Graded only.

NSG-103 Home Health Aide for the CNA (2.00 units)

Transfer Status: NT
Prerequisite: Active CNA certificate issued by the California Department of Public Health
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 51.00 Contact hours/51.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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.

OLS-Occupational and Life Skills

OLS-323 Occupational and Academic Assessment (0.00 units)
Transfer Status: NT
Lab: 80.00 Contact hours/0.00 Out of class hours/80.00 Total hours/0.00 Unit(s)
The focus of this course is to assess individual abilities, identify vocational, social, and academic goals, 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 (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
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 (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
This course focuses on developing vocational and academic language skills for students seeking employment. Strategies for pre-writing, organization of text, and comprehension skills are emphasized to prepare students to complete job applications; write cover letters, and resumes; and read business-specific literature. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

OLS-326 Mathematics Within Industry (0.00 units)
Transfer Status: NT
Lab: 85.00 Contact hours/0.00 Out of class hours/85.00 Total hours/0.00 Unit(s)
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. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

OLS-327 Career Exploration (0.00 units)
Transfer Status: NT
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
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, hospitality, 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 (0.00 units)
Transfer Status: NT
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course introduces students to a variety of strategies to help them be more successful in the workplace. Topics include 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 (0.00 units)
Transfer Status: NT
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course provides certification in exploring employment opportunities 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-340 Analyzing Communication for Vocational Advantage (0.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course provides training in recognizing and understanding communication and the impact it has in the workforce. Students will assess their styles of communication in the areas of presentation, reading, writing, and verbal expression. Topics include problem-solving, barriers in communication, and communication in the work environment through reading, writing, dressing, and speaking. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

OLS-341 Analyzing Behavior for Vocational Advantage (0.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/0.00 Unit(s)
This course provides training in recognizing and understanding behaviors that impact the workforce. Topics included: assessing one's working style, personality style, professionalism, and accepting personal responsibility in order to recognize how these behaviors impact a work environment. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.

PAR-Parenting

PAR-303 Family Dynamics (0.00 units)
Transfer Status: NT
Lecture: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.00 Unit(s)
This course assists parents and caregivers in learning the characteristics needed for healthy environments and relationships in the home while recognizing the uniqueness of each family dynamic. The focus is on ways parents and caregivers can care for themselves while providing the stability needed to meet the physical and emotional needs of children. Unlimited repeats. Ungraded.

PHIL-Philosophy

PHIL-2 Introduction to Philosophy (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the nature of philosophical thought and skills. Issues that traditionally have been of central importance in philosophical inquiry will be emphasized. These include the nature and limits of knowledge, reality, and values. (C-ID PHIL 100).

PHIL-4 Introduction to Ethics and the Good Life (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines the concept of morality and values, representative ethical theories, and may include their applications to moral problems. (C-ID PHIL 120).

PHIL-6 Introduction to Logic and Critical Thinking (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
A study of traditional logic with both deductive and inductive reasoning, including syllogisms, natural deduction, and fallacies. Practical application of basic skills in orderly and accurate reasoning and communication. (C-ID PHIL 110).

PHIL-8 Methods of Argument (3.00 units)
Transfer Status: CSU/UC
Prerequisite: ENGL C1000 or ENGL C1000E
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-10 History of Ancient Philosophy (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course addresses ancient philosophy with emphasis on the development of Greek philosophy from the Pre-Socratics through Aristotle and may also include Hellenistic, Roman, medieval or non-western thinkers. (C-ID PHIL 130).

PHIL-16 Western Religions (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-95 Special Studies-PHIL (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

PHO-Photography

PHO-1 History of Photography (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the processes, principles, and tools of photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, black and white film, darkroom skills, and contemporary trends in photography.
Course families are groups of active participatory courses that are related in content. This course is part of the Photography family. See Courses/ Course Families for more information.

PHO-4 Beginning Digital Photography (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introductory digital course presenting the origins and history of photography, camera and lens use, exposure, metering, printing procedures, print presentations, composition and standards of quality. Emphasis is placed on print quality along with content, composition and personal expression.
Course families are groups of active participatory courses that are related in content. This course is part of the Photography family. See Courses/ Course Families for more information.

PHO-6 Intermediate Black and White Darkroom Photography (3.00 units)
Transfer Status: CSU/UC
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.
Course families are groups of active participatory courses that are related in content. This course is part of the Photography family. See Courses/ Course Families for more information.

PHO-8 Commercial and Studio Photography (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces students to the basic aspects of commercial photography, including planning, production, and editing of images for a variety of applications including industrial, medical, technical, product display, architectural, portrait, food and fashion modeling. Students will also learn to use digital cameras and studio lighting systems to produce commercial quality photographs. Students will learn the basics of creating and editing images using studio lighting equipment, outdoor photography techniques and digital editing software to produce commercially ready photographs. Students will work with models, props and locations in the production of images.

PHO-11 Alternative Photographic Processes (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Intermediate Digital Photography (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides continued exploration in the advanced theories, vocabularies and techniques of digital photography. Emphasis will be on current issues in photography, portfolio development and advanced image editing and manipulation. Students will learn the basic theories of illumination and the utilization of a variety of light sources. Students will learn to manipulate color and black-and-white images, layers, special effects, photo restoration/colorizing, and filters to prepare images for print and web distribution.
Course families are groups of active participatory courses that are related in content. This course is part of the Photography family. See Courses/ Course Families for more information.

PHO-95 Special Studies-PHO (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

PHO-99 Work Experience-PHO (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

PHYS-Physics

PHYS-10 Concepts of Physics (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course explores physics from a conceptual rather than a mathematical approach. Topics include Newton's Laws of Motion, energy and momentum, heat and thermodynamics, electricity and magnetism, light and optics, and atomic and nuclear physics. Not intended for students who have completed high school physics or PHYS 21 or 41.

PHYS-11 Concepts of Physics Laboratory (1.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 10 (or concurrent enrollment)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
This course is designed to accompany the lecture topics taught in PHYS 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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 20, MATH 28, MATH 28s or high school trigonometry
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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. Graded only. (C-ID PHYS 105/ PHYS 100S).

PHYS-22 College Physics II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 21
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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. Graded only. (C-ID PHYS 110) (C-ID PHYS 100S = PHYS 21 and PHYS 22).

PHYS-41 Physics for Scientists and Engineers I (4.00 units)
Transfer Status: CSU/UC
Prerequisite: MATH 30 or MATH 30s
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 127.50 Contact hours/76.50 Out of class hours/204.00 Total hours/4.00 Unit(s)
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. Graded only. (C-ID PHYS 205/PHYS 100S).

PHYS-42 Physics for Scientists and Engineers II (4.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 41, MATH 31
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Activity: 51.00 Contact hours/25.50 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 127.50 Contact hours/76.50 Out of class hours/204.00 Total hours/4.00 Unit(s)
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. Graded only. (C-ID PHYS 210/PHYS 200S).

PHYS-43 Physics for Scientists and Engineers III (4.00 units)
Transfer Status: CSU/UC
Prerequisite: PHYS 41, MATH 31
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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. Graded only. (C-ID PHYS 215) (C-ID PHYS 200S = PHYS 41, PHYS 42, and PHYS 43).

PHYS-95 Special Studies-PHYS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

POLS-Political Science

POLS-C1000 American Government and Politics (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. (C-ID POLS 110).

POS-Political Science

POS-3 Comparative Politics (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-16 Vital Political Problems (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introduction to political science designed to familiarize students with basic political concepts, political ideologies, political systems, and subfields within political science. (C-ID POLS 150).

POS-18 International Relations (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues. (C-ID POLS 140).

POS-95 Special Studies-POS (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

POS-99 Work Experience-POS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

PSC-Physical Science

PSC-10 Introduction to Environmental Science (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include ecological principles, biodiversity, climate change, sustainability, renewable and non-renewable energy, water resources, air and water pollution, and solid waste management. The concepts will be reinforced with an integrated laboratory program. (C-ID ENVS 100).

PSC-11 Earth Science with Lab (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Intermediate Algebra or equivalent
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is an investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. This course is intended for non-science majors. (C-ID PHYS 140).

PSC-27 Survey of the Universe (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a survey of our current understanding of the physical Universe. Consideration will range in length scales from the sub-atomic to large clusters of galaxies as well as time scales from the earliest universe through today and into the future. Broad topics will include a foundational example of how we construct knowledge of places we cannot currently visit (the cosmic distance ladder), what stars are and how they evolve, the evolution and current structure of our solar system, current thinking on the probability of extraterrestrial life and models for the evolution of matter in the universe and its ultimate fate. Along the way students will explore cosmic phenomena such as neutron stars, black holes, supernovae, dark matter and the mysterious dark energy.

PSC-30 Introductory Astronomy (4.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 102.00 Contact hours/102.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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-50 Introduction to Weather (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00 units)
Transfer Status: CSU/UC
Prerequisite: PSC 50 (or concurrent enrollment)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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 may include a field trip to a local forecasting facility.

PSC-53 Natural Disasters and Hazards (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

PSY-Psychology

PSY-3 Introduction to Biological Psychology (3.00 units)
Transfer Status: CSU/UC
Prerequisite: PSYC C1000
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. (C-ID PSY 150).

PSY-6 Abnormal Psychology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: PSYC C1000, STAT C1000 or STAT C1000E
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-15 Lifespan Psychology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-20 Personal and Social Growth and Wellness (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is designed with an applied focus for students interested in how psychology is used in everyday life and is related to other social sciences. The course surveys different psychological perspectives and theoretical foundations and how these are applied across a person’s life taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized. (C-ID PSY 115).

PSY-36 Psychology of Meditation and Mindfulness (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to the psychological principles of mindfulness and meditation. Students will explore the psychology of meditation, including major theories and forms of meditation from ancient Eastern traditions to contemporary Western research on the benefits of meditation. Emphasis will be on understanding the mechanics of human physical, mental and emotional systems and how developing meta-cognition can ease stress.

PSY-41 Socio-Cultural Context of Psychological Development (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course examines psychological developmental theories emphasizing social and cultural influences on motivation, social-emotional and intellectual development. Exploration will emphasize how children are socialized from within the family, school, peer-groups, religious groups, media and communities. Psychological dynamics of power and sexual orientation are examined and how these influence individuals across lower socioeconomic environments and underrepresented groups as well as American Indian, Asian, Latin, Middle Eastern and Black cultures.

PSY-95 Special Studies-PSY (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

PSY-99 Work Experience-PSY (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

PSYC-Psychology

PSYC-C1000 Introduction to Psychology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Topics also include the science of psychology, ethics, perception, learning and memory, motivation and emotion, sexuality and gender, stress and health, personality, psychological disorders and therapies, and applied psychology. (C-ID PSY 110).

RLS-Real Estate

RLS-20 Real Estate Principles (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: RLS 20 (or concurrent enrollment)
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 and professional 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 (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course provides students with a working knowledge of California real property laws. Topics include sources of real estate law; classification of property; fixtures and easements; property rights, liens and homesteads; real estate contracts; licensees' duties and responsibilities; property ownership and management; landlord-tenant law; and covenants, conditions and restrictions. This course satisfies the California Department of Real Estate (DRE) requirement that students pass a college-level "Legal Aspects of Real Estate" course prior to taking the Real Estate Broker License Exam.

RLS-35 Real Estate Appraisal (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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 (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course provides students with a basic understanding of escrow, the role of taking an escrow and how to prepare and process the escrow documents. The course also covers the Secure and Fair Enforcement (SAFE) Act, signed into law as part of the Housing and Economic Recovery Act (HERA) of 2008, including its impact in the preparation of the Housing and Urban Development HUD-1 real estate settlement statement. This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams.

RLS-55 Property Management (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

This course provides students with a basic understanding of property management principles and practices. The content focuses on issues relating to management, agency, contracts, and practical issues relating to property rental. Legal issues and government regulations regarding such issues as evictions, discrimination, landlord and tenant rights and rent control are explored. This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams.

RLS-60 Real Estate Mortgage Brokerage (3.00 units)

Transfer Status: CSU

Prerequisite: RLS 20 (or concurrent enrollment)

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

The course is an introduction to Mortgage Brokerage: how it works and how mortgage brokers can assist home-buyers in finding the right loan. Topics include the Secure and Fair Enforcement (SAFE) Act (signed into law as part of the Housing and Economic Recovery Act (HERA) of 2008) and the Dodd-Frank Act and their impacts on mortgage lending practices and professionals, including the new professional designation of Mortgage Loan Originator (MLO). This course satisfies the California Department of Real Estate (DRE) elective requirement for students taking the Real Estate Salesperson and Broker Exams.

RLS-99 Work Experience-RLS (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

RT-Respiratory Care

RT-97 Special Problems-RT (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

RT-99 Work Experience-RT (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

RT-110 Fundamentals of Respiratory Care (7.00 units)
Transfer Status: NT
Prerequisite: Admission to the RT Program, ALH 6 (or concurrent enrollment)
Corequisite: RT 118
Lecture: 102.00 Contact hours/204.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 153.00 Contact hours/204.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
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 (1.00 units)
Transfer Status: NT
Prerequisite: ALH 6, RT 110, RT 118
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
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-118 Respiratory Care Pharmacology (3.00 units)
Transfer Status: NT
Prerequisite: Admission to the RT Program
Corequisite: RT 110
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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-120 Concepts in Respiratory Care (7.00 units)
Transfer Status: NT
Prerequisite: RT 115
Corequisite: RT 125
Lecture: 102.00 Contact hours/204.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 153.00 Contact hours/204.00 Out of class hours/357.00 Total hours/7.00 Unit(s)
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 (5.00 units)
Transfer Status: NT
Prerequisite: RT 115
Corequisite: RT 120
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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-135 Fundamentals of Clinical Respiratory Care (3.50 units)
Transfer Status: NT
Prerequisite: RT 120, RT 125
Lecture: 25.50 Contact hours/51.00 Out of class hours/76.50 Total hours/1.50 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 127.50 Contact hours/51.00 Out of class hours/178.50 Total hours/3.50 Unit(s)
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 (6.00 units)
Transfer Status: NT
Prerequisite: RT 135
Corequisite: RT 142, RT 145
Lecture: 85.00 Contact hours/170.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 136.00 Contact hours/170.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
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 (3.00 units)
Transfer Status: NT
Prerequisite: RT 135
Corequisite: RT 140, RT 145
Lecture: 42.50 Contact hours/85.00 Out of class hours/127.50 Total hours/2.50 Unit(s)
Lab: 25.50 Contact hours/0.00 Out of class hours/25.50 Total hours/0.50 Unit(s)
Total: 68.00 Contact hours/85.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (5.00 units)
Transfer Status: NT
Prerequisite: RT 135
Corequisite: RT 140, RT 142
Lab: 255.00 Contact hours/0.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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 (2.00 units)
Transfer Status: NT
Prerequisite: RT 140, RT 142, RT 145
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is designed as a clinical experience to allow the respiratory care student to hone skills learned in previous RT courses while developing new skills in the performance of day-to-day tasks of the staff respiratory care practitioner. Emphasis will be placed on both self assessment and critique of clinical performance by hospital personnel. Offered in Winter Session only. Travel to out-of-area clinical facilities will be required. Graded only.

RT-160 Respiratory Care Seminar II (4.00 units)
Transfer Status: NT
Prerequisite: RT 155
Corequisite: RT 165
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is designed to explore the historical, contemporary and technical issues germane to respiratory care as an allied health profession through lecture/discussion/literary review. Emphasis will be placed on issues relevant to the current practice of respiratory care and credentialing requirements. Preparation for post-graduate credentialing examinations will be included in the course work. Graded only.

RT-165 Respiratory Care Practicum II (8.00 units)
Transfer Status: NT
Prerequisite: RT 155
Corequisite: RT 160
Lab: 408.00 Contact hours/0.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
This course supports the continuing practice and evaluation of skills for advanced respiratory care students in the hospital setting. Development of skills pertaining to the organization and completion of patient care assignments in both the medical-surgical and critical care environments are emphasized. American Heart Association (AHA) Advanced Cardiac Life Support and Pediatric Advanced Life Support certifications are incorporated in the course, as these are required for employment in Respiratory Care.

RTVF-Radio, TV, Film

RTVF-12 Mass Media and Society (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 American Television (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Students explore new trends in television production and distribution in American TV, potential genres include situation comedy, crime drama, western, legal drama, sci-fi, medical drama and reality TV. Content will be analyzed from a variety of perspectives including social, cultural, political, historical, and economic to explore how television impacts culture and the individual.

RTVF-14 Introduction to Media Writing (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Audio Production (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 Video Production (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
The course provides an introduction to the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing on location, post-production, and exhibition/distribution.

RTVF-55 TV Studio Production (3.00 units)
Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course introduces theory, terminology and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and video recording and real-time video production.

RTVF-97 Special Problems-RTVF (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

RTVF-99 Work Experience-RTVF (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student’s enrollment with Butte College.

SOC-Sociology

SOC-2 Principles of Sociology (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is a sociological analysis of the social construction of gender, 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-analyses of how institutions and culture shape gender and micro-analyses of how individuals are socialized and how they "do" and practice gender. (C-ID SOCI 140).

SOC-20 Introduction to Race and Ethnicity (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course is an analysis of social stratification and its affect on minority/majority group relations in American society. Emphasis will be on an examination of how the class system ranks categories of people in hierarchies rooted in wealth, income, prestige, power and education. Social inequality that exists nationally and globally are studied though the lens of institutional discrimination and environmental issues.

SOC-95 Special Studies-SOC (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

SOC-99 Work Experience-SOC (0.50-8.00 units)
Transfer Status: CSU
Prerequisite: Permission of Work Experience Education instructor and employment supervisor
Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)
Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

SPAN-Spanish

SPAN-1 First Semester Spanish (4.00 units)
Transfer Status: CSU/UC
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This introductory course teaches beginning language acquisition in a cultural context through listening, speaking, reading and writing. The students will interact with authentic language in cultural context. (C-ID SPAN 100).

SPAN-2 Second Semester Spanish (4.00 units)
Transfer Status: CSU/UC
Prerequisite: SPAN 1
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course continues to teach language acquisition in a cultural context through listening, speaking, reading and writing at the second semester level. The students will continue to interact with authentic language within culturally rich contexts. Equivalent to 2 years of high school instruction. (C-ID SPAN 110).

SPAN-3 Third Semester Spanish (4.00 units)
Transfer Status: CSU/UC
Prerequisite: SPAN 2
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Content is expanded beyond "survival" needs of the immediate environment in order to express personal meaning and to apply different strategies and techniques to go beyond casual conversation and express opinions, make suggestions on familiar topics, as well as some abstract issues and plans. Students demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. Accuracy becomes quite high for high frequency structures and vocabulary but more complex discourse is still developing and requires a somewhat sympathetic listener or reader. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. This course will primarily be taught in Spanish. Students who have completed at least two, but fewer than three years of high school Spanish (or equivalent) with a letter grade of "A" or "B" within one year of the present date, should register for Fourth Semester Spanish. (C-ID SPAN 200).

SPAN-4 Fourth Semester Spanish (4.00 units)
Transfer Status: CSU/UC
Prerequisite: SPAN 3
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course continues to expand upon culture and facilitate language acquisition through listening, speaking, reading and writing. Students will interact with more sophisticated authentic language in context. Content continues to expand in order to express more complex ideas in order to express personal meaning and to apply different strategies and techniques to go beyond causal conversation and express opinions, make suggestions on familiar topics, as well as some abstract issues and plans. Students demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. Accuracy becomes quite high for high frequency structures and vocabulary but more complex discourse is still developing and requires a somewhat sympathetic listener or reader. Students will continue to demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. This course will primarily be taught in Spanish. (C-ID SPAN 210).

SPAN-14 Hispanic Short Stories (3.00 units)
Transfer Status: CSU/UC
Prerequisite: SPAN 3
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU/UC
Prerequisite: SPAN 3
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
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. Students may not petition for a Special Studies course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units to complete the entire curriculum of the course.

SPAN-100 Beginning Conversational Spanish (3.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: NT
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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.

SPED-Special Education Training

SPED-100 Special Education Regulations in the Workplace (2.00 units)
Transfer Status: NT
Corequisite: SPED 101
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course prepares students to teach adults with disabilities who are participating in a day or vocational program that serves adults (18 years of age or older). Topics will include State Regulations such as Title 5, Title 17, person-centered planning, and Individual Service Plans.

SPED-101 Teaching Adults with Disabilities (2.00 units)
Transfer Status: NT
Corequisite: SPED 100
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course provides an overview of challenges that may influence the learning process and provides instructional strategies for addressing environmental, medical, intellectual, and physical issues. The goal of this course is to increase the awareness of students who work with adults with developmental disabilities about probable barriers to learning and how the barriers can be lessened or resolved.

SPED-102 Teaching Adults with Disabilities Practicum (3.00 units)
Transfer Status: NT
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course allows students to apply skills developed in SPED 100 and SPED 101. Students are required to work in a vocational or day program assisting adults with disabilities in completing agency contracts, learning essential life/work skills, and developing interpersonal skills.

STAT-Statistics

STAT-C1000 Introduction to Statistics (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra
Lecture: 68.00 Contact hours/136.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. (C-ID MATH 110).

STAT-C1000E Introduction to Statistics (4.00 units)
Transfer Status: CSU/UC
Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Activity: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course has embedded support. (C-ID MATH 110).

SWHS-Social Work and Human Services

SWHS-1 Introduction to Social Work and Human Services (3.00 units)

Transfer Status: CSU
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
An introductory overview of the social welfare and societal institutions in the U.S. that structure the provision of social services. The course presents a historical perspective on the development of U.S. social work and human services. Special attention is given to the current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers and human service workers within those settings.

SWHS-2 Social Work and Human Services Seminar/Field Experience (3.00 units)

Transfer Status: CSU
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 85.00 Contact hours/68.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course provides the student who is participating in a supervised field experience in a community organization, agency, or institution with a weekly class meeting that provides the academic elements to the experiential course offering. Students will develop skills that would facilitate gaining employment in the human services field. This course offers the student a supervised field experience in a community organization, agency, or institution, allowing the student to apply knowledge and learn new skills outside of the classroom environment. Students will observe, practice, and develop skills that would facilitate gaining employment in the human services field. Lab hours include structured field experience in a social work or human services setting.

WLD-Welding

WLD-20 Beginning Welding (4.00 units)

Transfer Status: CSU
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 170.00 Contact hours/34.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (4.00 units)

Transfer Status: CSU
Prerequisite: WLD 20
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 170.00 Contact hours/34.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (2.00 units)

Transfer Status: CSU
Prerequisite: WLD 21 and NCCER Level I Welding Qualification
Corequisite: WLD 24, WLD 25, WLD 26, WLD 40, WLD 154
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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) (8.00 units)

Transfer Status: CSU
Prerequisite: WLD 21 and NCCER Level I Welding Qualification
Corequisite: WLD 22, WLD 25, WLD 26, WLD 40, WLD 154
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Lab: 306.00 Contact hours/0.00 Out of class hours/306.00 Total hours/6.00 Unit(s)
Total: 340.00 Contact hours/68.00 Out of class hours/408.00 Total hours/8.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: WLD 21 and NCCER Level I Welding Qualification
Corequisite: WLD 22, WLD 24, WLD 26, WLD 40, WLD 154
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 21 and NCCER Level I Welding Qualification
Corequisite: WLD 22, WLD 24, WLD 25, WLD 40, WLD 154
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 32, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 30, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (4.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 30, WLD 32, WLD 36, WLD 42, WLD 56, WLD 156
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 153.00 Contact hours/0.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
Total: 170.00 Contact hours/34.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 30, WLD 32, WLD 34, WLD 42, WLD 56, WLD 156
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
Total: 119.00 Contact hours/34.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: WLD 21 and NCCER Level I Welding Qualification
Corequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 154
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 56, WLD 156
Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (2.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 154 and NCCER Level II Welding Qualification
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Total: 68.00 Contact hours/34.00 Out of class hours/102.00 Total hours/2.00 Unit(s)
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 (5.00 units)
Transfer Status: CSU
Prerequisite: 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
Corequisite: WLD 158
Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)
Lab: 204.00 Contact hours/0.00 Out of class hours/204.00 Total hours/4.00 Unit(s)
Total: 221.00 Contact hours/34.00 Out of class hours/255.00 Total hours/5.00 Unit(s)
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 (3.00 units)
Transfer Status: CSU
Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification
Corequisite: WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 156
Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)
This course teaches job seeking skills demanded of welders in the industry today. Topics include a comparison of prospective employers within the welding industry, preparation for taking employment required skills tests, portfolio development, job-specific interview techniques and work place ethics and professionalism.

WLD-97 Special Problems-WLD (1.00-3.00 units)
Transfer Status: CSU
Prerequisite: Permission of instructor
Independent Study: 51.00-153.00 Contact hours/0.00-0.00 Out of class hours/51.00-153.00 Total hours/1.00-3.00 Unit(s)
Supervised study and practice in solving special problems in the student's career major. Any student interested in registering for a Special Problems course should contact a full-time instructor or chair/coordinator in the appropriate area no later than the last day of the tenth week of instruction. Students may not petition for a Special Problems course until they have completed satisfactorily 12 units of study at Butte College. 51-153 hours Independent Study. This course may be repeated to a maximum of 3.00 units.

WLD-99 Work Experience-WLD (0.50-8.00 units)

Transfer Status: CSU

Prerequisite: Permission of Work Experience Education instructor and employment supervisor

Independent Study: 25.50-408.00 Contact hours/0.00-0.00 Out of class hours/25.50-408.00 Total hours/0.50-8.00 Unit(s)

Work experience is an experiential course where students apply what they have learned in the classroom to a work environment. The course offers students the opportunity to develop technical skills, explore possible career choices, build confidence, network with people in the field, and transition into the world of work. Work experience may include paid or unpaid employment. Students may earn one semester unit of college credit in this course for every fifty-one hours of work experience. Students may enroll in this course up to 8 unit(s) to complete the entire curriculum of the course. A maximum of sixteen units can be earned in work experience courses during a student's enrollment with Butte College.

WLD-150 Shop Practices for Beginning Welders (0.50-1.00 units)

Transfer Status: NT

Lab: 25.50-51.00 Contact hours/0.00-0.00 Out of class hours/25.50-51.00 Total hours/0.50-1.00 Unit(s)

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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-152 Shop Practices for Intermediate Welders (0.50-1.00 units)

Transfer Status: NT

Prerequisite: WLD 20

Lab: 25.50-51.00 Contact hours/0.00-0.00 Out of class hours/25.50-51.00 Total hours/0.50-1.00 Unit(s)

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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-154 Shop Practices for Welders I (1.00-2.00 units)

Transfer Status: NT

Prerequisite: WLD 21 and NCCER Level I Welding Qualification

Corequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40

Lab: 51.00-102.00 Contact hours/0.00-0.00 Out of class hours/51.00-102.00 Total hours/1.00-2.00 Unit(s)

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. This course may be repeated to a maximum of 2.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-156 Shop Practices for Welders II (1.00-2.00 units)

Transfer Status: NT

Prerequisite: WLD 22, WLD 24, WLD 25, WLD 26, WLD 40, WLD 50, WLD 154 and NCCER Level II Welding Qualification

Corequisite: WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 56

Lab: 51.00-102.00 Contact hours/0.00-0.00 Out of class hours/51.00-102.00 Total hours/1.00-2.00 Unit(s)

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. This course may be repeated to a maximum of 2.00 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 (0.50-1.00 units)

Transfer Status: NT

Prerequisite: 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

Corequisite: WLD 55

Lab: 25.50-51.00 Contact hours/0.00-0.00 Out of class hours/25.50-51.00 Total hours/0.50-1.00 Unit(s)

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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-159 Shop Practices for Advanced Pipe Welders (0.25-1.00 units)

Transfer Status: NT

Prerequisite: WLD 156 or WLD 158

Lab: 12.75-51.00 Contact hours/0.00-0.00 Out of class hours/12.75-51.00 Total hours/0.25-1.00 Unit(s)

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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-160 Welding Certification Practices (1.00-2.00 units)

Transfer Status: NT

Prerequisite: WLD 28, WLD 30, WLD 32, WLD 34, WLD 36, WLD 42, WLD 56, WLD 156

Lab: 51.00-102.00 Contact hours/0.00-0.00 Out of class hours/51.00-102.00 Total hours/1.00-2.00 Unit(s)

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. This course may be repeated to a maximum of 2.00 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 (1.00-2.00 units)

Transfer Status: NT

Prerequisite: WLD 55, WLD 158

Lab: 51.00-102.00 Contact hours/0.00-0.00 Out of class hours/51.00-102.00 Total hours/1.00-2.00 Unit(s)

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. This course may be repeated to a maximum of 2.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

WLD-164 Welding Recertification Practices (0.25-1.00 units)

Transfer Status: NT

Prerequisite: WLD 160 or WLD 162

Lab: 12.75-51.00 Contact hours/0.00-0.00 Out of class hours/12.75-51.00 Total hours/0.25-1.00 Unit(s)

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. This course may be repeated to a maximum of 1.00 units to complete the entire curriculum of the course. Pass/No Pass only. Open Entry/Open Exit.

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M.S.N., San Francisco State University

Kekaha, Lisa (2008)
English
B.A., M.A., CSU, Chico

Kelley, Michelle (2017)
Business Computer Information Systems
B.A., CSU, Chico
M.L.S., San Jose State University

Kennedy, Brooke (2019)
Mathematics
B.S., M.S., CSU, Chico

Kelly, April (2016)
Communication Studies
B.A., M.A., CSU, Chico

Kielb, Craig (2015)
Automotive Technology
A.A., A.S., Butte College

Kim, Esther (2023)
Agricultural Science
B.S., CSU, Chico
M.S., Oregon State University

King, Cedric (2019)
Disabilities Specialist
B.A.,M.A., CSU, Chico

Kirkwood, Kim (2018)
Cosmetology
A.A., Brooks College
B.S., M.S., University of Central Missouri

Klein, Steve (2014)
Director, Statewide Programs, CCCTC
A.A., Santa Ana College
B.A., CSU, Chico

Knifong, Shelly (2013)
Scheduling and Curriculum Analyst

Konuwa, Sophie A. (1993)
Director, Small Business Development Center, Business Management
B.A., Appalachian State University
M.S., Cardinal Stritch University

LaGrave, Nicole (2008)
English
B.A., M.A., CSU, Chico

Larson, Amanda (2023)
Computer Science
B.S., CSU, Stanislaus
M.S., CSU, Chico

Lechner, Gary (2008)
Biological Sciences
B.S., M.S., CSU, Chico

Lillie, Penny L. (1995)
Physical Science, Chemistry
A.A., Butte College
B.A., M.S., CSU, Chico

Little, Chris (2016)
Executive Director, Human Resources
B.A., CSU, Chico
M.P.A., CSU, Dominguez Hills

Lloyd, Tierra (2015)
Mathematics
B.S., Brigham Young University
M.S., CSU, Chico

Luden, William Liam (2022)
Nursing
B.S.N., CSU, Chico

Lybbert, Jeannie (2002)
Director, Financial Aid and Veterans Services
B.S., M.B.A., Western Governors University

MacKinnon, Katherine (2003)
English
B.A., University of the South, Tennessee
M.S., Georgia State University
Ph.D., Northern Arizona University

Maday, Randy (1993)
Health, Kinesiology, Athletics
B.A., M.A., CSU, Chico

Martinez, Analia (2019)
Learning Resource Specialist
B.A., M.A., CSU, Chico

Mathrole, Natalie (2023)
Counselor
B.A., UC, Santa Barbara
M.S.W., San Diego State University

Matiasek, Michael (2012)
Biological Sciences
B.A., University of Colorado Boulder
Ph.D., UC, Davis

Mavis, Mark (2002)
Mathematics
B.A., M.S., CSU, Chico

McArthur, Sarah (2018)
Chemistry
B.S., San Jose State University
M.S., Ph.D., UC, Riverside

McCabe, Deborah (2015)
Communication Studies
B.A., UC, Berkeley
M.A., CSU, Chico
J.D., University of Iowa

McCartney, Cynthia (2006)
Project Manager
A.A., Lassen College, Brooks College
B.A., CSU, Chico

McDougall, Patrick (2019)
Physics
B.S., CSU, Chico
M.S., CSU, Fresno

McFall, Dakoda (2020)
Welding
A.S., Butte College

McFee, Rochelle (2025)
Ethnic Studies
B.A., University of the West Indies
M.A., Ph.D., UC, San Diego

Melendrez, Melissa (2023)
Counselor
B.A., M.S.W., CSU, Chico

Meyer, Laurie (2013)
Nursing
B.S.N., CSU, Chico
M.A., Western Governors University

Miko, Katalin (2021)
Cosmetology
A.A., Butte College
B.A., M.A., CSU, Chico

Milinkevich, Kristin (2009)
Chemistry
B.S., CSU, Chico
Ph.D., UC, Davis

Mistry, Shahroukh (2009)
Biological Sciences
B.S., M.S., University of Baroda
M.S., University of TN, Knoxville
Ph.D., University of New Mexico

Modes, Mark Steven (1993)
Kinesiology
B.S., CSU, Fresno

Monlux, Carrie (2012)
Dean of Instruction
B.S., M.S., CSU, Chico
Ph.D., Texas A&M University

Montgomery, Amanda
Director, Equitable Pathways
B.S., CSU, Chico
M.S., National University

Mulford, Aja (2024)
Multimedia Studies
B.A., Cal Poly Humboldt
M.F.A., University of Hartford

Mullen, Dan (2025)
Automotive Technology
A.S., Butte College

Murawski, Nathen (2019)
Psychology
B.A., CSU, Sacramento
Ph.D., University of Delaware

Murphy, Brian (2017)
Director, Institutional Research
B.S., CSU, Sacramento
M.B.A., University of Nevada

Nash, Kristie (2002)
Manager, Contracts/Risk Management
B.S., University of Phoenix

Neilsen, Tanna (2015)
Program Manager, Dual Enrollment

Nelsen, Jennifer (2015)
Business
B.A., M.B.A., CSU, Chico

Nichols, Lisa (2003)
Chemistry
B.S., CSU, Chico
M.S., Stanford University

Niedbala, Steven (2024)
Art History
M.A., Oberlin College
M.A., Ph.D. Colombia University

Noel-Camacho, Amber (2024)
Ethnic Studies
B.A., UC, Berkeley
M.A., CSU, Chico

Oberle, Eric (2013)
Mathematics
B.A., San Diego State University
M.A., Central Washington University

Ohland, Angela (2018)
Communication Studies
B.A., CSU, Stanislaus
M.A., CSU, Chico

Padilla, Michael (2015)
Mathematics
B.S., UC, Los Angeles
M.S., CSU, East Bay

Panunto, Michael (2004)
Physical Sciences, Engineering
B.S., Temple University
M.S., Ph.D., University of Maryland

Parker, Jared (2023)
Agriculture
B.S., South Dakota State University

Parker, Robert (2025)
Director, Fiscal Services
M.B.A., CSU, Chico

Peacock, Miles (2008)
Welding
B.S., Humboldt State University

Peterson, Andrew (2024)
Automotive Technology
A.S., Universal Technical Institute

Pickett, Cindy (2022)
Scheduling and Curriculum Analyst

Price, Steve (2007)
Economics
B.A., CSU, Chico
M.A., University of San Francisco

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

Ramirez, Iris (2025)
Ethnic Studies
B.A., CSU, Northridge
M.A., Ph.D., UC, Los Angeles

Rapozo-Davis, Laura (2005)
Communication Studies
B.A., University of San Francisco
M.A., CSU, Chico

Rau, Heather (1990)
Scheduling and Curriculum Analyst

Raymond, Jubal (2023)
Construction
B.A., UC, Santa Cruz
M.S., CSU, Chico

Reinbold, Brian (2001)
Physical Science
B.S., CSU, Chico
M.S., San Jose State University

Riley, Mimi (2001)
Sociology
B.A., UC, Berkeley
M.A., UC, San Diego

Roberson, Carrie (2003)
Child Development
B.A., CSU, Chico
M.A., National University, Sacramento

Robinson, Travon
IDEA Officer
M.A., CSU, Chico

Robinson, Donald (2003)
Dean of Instruction
A.S., Butte College
B.S., CSU, Chico
M.S., Cal Poly, San Luis Obispo

Runyan, Amanda (2018)
English
M.A., B.A., CSU, Chico
Ph.D., Northeastern University

Sanchez, Henry (2018)
Counselor (Athletics)
B.A., CSU, Chico
M.S., San Diego State University

Sathrum, Luke (2013)
Computer Science
B.S., Humboldt State University
M.S., CSU, Chico

Schmid, Melody (2018)
Biology
B.A., Colorado College
M.S., EdD., UC, Davis

Scholl, Mark (2022)
English as a Second Language (ESL)
B.A., CSU Stanislaus
M.S., Azusa Pacific University

Senat, Simone (2000)
Fine Arts
B.A., UC, Los Angeles
M.F.A., San Jose State University

Shinar, Tammera (2015)
Dean, Student Enrollment 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)
Program Manager, CCCTC
B.A., CSU, Stanislaus

Sinclear, Robin (2023)
Emergency Medical Services
A.S., Butte College
B.S.N., Western Governors University

Sinha, Kristin (2022)
Nursing
B.S.N, M.S.N., University of Phoenix
Ph.D., Post University

Skinner, Kelley (2014)
Nursing
A.A., Cabrillo College
B.S., CSU, Chico

Sloan, Sandy (2008)
Business Computer Information Systems
A.S., B.S., Ph.D., Southern Illinois University Carbondale
M.P.A., CSU, Eastbay

Smallhouse, Sara (2018)
Art History
B.A., UC, Irvine
M.A., CSU, Chico

Smith, Michael S. (2015)
Reference Librarian
B.S., Gannon University
M.L.S., San Jose State University

Snelling, Robert (2018)
Head Football Coach
B.S., Boise State University
M.A., Arizona State University
M.S., Louisiana State University

Soldate, John (2006)
Counselor (Transfer Center)
A.A., Santa Rosa Junior College
B.A., M.A., CSU, Chico
M.S., University of Southern California

Springer, Heather (2014)
English
B.A., Linfield College
M.A., Northern Arizona University

St. Cin, Steven (2001)
Counselor (Transfer Center)
B.A., UC, Los Angeles
M.S., CSU, Hayward

Struthers, Melody (2024)
Anthropology
B.A., M.A., CSU, Chico

Suarez, Pablo (2023)
MESA Director
B.S., CSU, Chico

Sun, Dakuan (2005)
Mathematics
M.E.D., M.S., Ph.D., Ohio University

Taylor, Cheryl (2014)
Manager, Grants Research and Development
B.S., CSU, Chico

Terra, Jill (2013)
Biological Sciences
B.S., University of Iowa
Ph.D., UC, Los Angeles

Thao, Doua (2020)
EOPS Counselor
B.A., M.A., CSU, Chico

Thomas, Russell (2017)
Welding
A.S., Butte College

Toliver, Rosalind
Director, Admissions & Records
B.S., CSU, East Bay

Trento, Jason (2000)
Physics, Physical Science
B.S., CSU, Chico
M.S., UC, Davis

Trolinger, Christine (2002)
History
B.A., Angelo State University
M.A., Texas Tech University

Troxel, Shannan (2015)
Communication Studies
B.A., M.A., CSU, Chico
Ed.D., Bradley University

Turner, Charles A. (1993)
History
B.A., UC, Riverside
M.A., UC, Los Angeles
J.D., Newport University

Vader, Seth (2016)
Welding Technology
A.S., Butte College

Valle, Heather (2015)
Psychology
B.A., M.S., CSU, Chico

Valle, Llael (2019)
EOPS Counselor
B.A., UC, Davis
M.S., CSU, Chico

Vandereyck, Julia (2015)
Director, Child Development Center
A.A., Butte College
B.A., Pacific Oaks College

Vang, Kia (2019)
EOPS Counselor
B.A., M.S.W., CSU, Chico

Vann, Serey (2018)
Counselor
B.A., M.S., CSU, Sacramento

Vargas Rivera, Mayra (2020)
EOPS Counselor
B.A., M.S., CSU, Sacramento

Vasquez, Carlos (2024)
Chemistry
A.A., Santa Monica College
B.S., UC, Irvine
M.S., Ph.D., UC, San Diego

Vazquez, Jacob (2019)
Agriculture
B.S., M.S., CSU, Fresno
Ph.D., Texas Tech University

Vickery, Jess (2016)
Chemistry
B.S., UC, Santa Barbara
Ph.D., UC, Davis

Wade, Marcu (2023)
Cosmetology

A.A., Golden West College
B.S., CSU, Fullerton

Wagster Penne, Diane (2022)
Nursing
A.S., Santa Barbara Community College
A.A., St. Leo University
B.S.N., Jacksonville University
M.S.N., Western Governors University
D.N.P., Regis College

Wakim, Suzanne (2004)
Biological Sciences
B.S., Loyola University
M.S., UC, Davis

Walden, Bobby (2018)
Counselor, Veterans
B.A., CSU, Chico
M.S., University of Southern California

Wallace, Marty (2013)
Chemistry
B.S., Portland State University
M.S.W., CSU, Chico

Wannenmacher, Elizabeth A. J. (1992)
Chemistry
B.S., UC, Berkeley
Ph.D., UC, Davis

Ward, Deana (2020)
Nursing
B.S.N., CSU, Chico
M.S.N., Gonzaga University

Ward, Teresa (2000)
Interim Associate Dean, Special Programs
B.A., UC, Davis
M.A., CSU, Chico
Ed.D., Grambling State University

Watroba, Suzanne
Executive Director, Foundation
M.A., San Francisco State University

Wentzell, Justin (2010)
Foreign Language
B.A., M.A., Northern Arizona University

Wheeler, Kimberly (2018)
Nursing
B.S.N., Liberty University
M.S.N., Sonoma State University

White, Andrea (2013)
Biological Sciences
B.S., CSU, Chico
M.S., Ph.D., University of Illinois

White, Robert (2008)
Dean of Instruction
B.S., CSU, Chico
M.S., Ph.D., University of Illinois at Urbana-Champaign

Whitmore, Warren (2016)
Program Manager, CCCTC
B.A., CSU, Chico

Williams, Thomas (2016)
Agriculture Business
B.S., CSU, Chico

Wilson, Emilie (2016)
Respiratory Care
A.S., Butte College
B.S., Oregon Institute of Technology

Wilson, Nickolas (2024)
English
B.A., Cal Poly, San Luis Obispo
M.A., Cal Poly Humboldt
Ph.D., Gonzaga University

Withrow-Clark, Robert (2016)
Counselor
B.A., CSU, Sacramento
M.A., Ed.D., University of Pacific

Wittsell, Rick (2012)
Natural Resources
B.S., M.S., CSU, Chico

Womack, Kelly (2022)
Manufacturing
A.A., A.S., College of the Siskiyous
B.S., CSU, Chico

Wood, Kelly (2005)
Biological Sciences
B.S., M.S., CSU, Chico

Wycoff, Thomas (2019)
Heating, Ventilation and Air Conditioning

Zorn, Linda (1999)
Executive Director, Economic and Workforce Development
B.A., University of Wisconsin

Zuniga, Brad (2002)
Dean, Student Services
B.A., CSU, Chico
M.S., University of LaVerne

Emeritus Faculty and Staff

Adams, Idie (1976-2010)
Ceramics

Allen, Fred (1971-1998)
Dean of Instruction

Anguiano, Nena (2007-2022)
MESA Director

Babich, Fran (1980-2022)
Physical Education

Bachman, Deborah (2001-2014)
Counselor

Baird, Tom (1989-2010)
Automotive Technology

Baroni, Steve (1972-2010)
Counselor

Beachamp, Bobby, L. (1984-2006)
Automotive Technology

Beard, Maria (1988-2013)
Administrative Assistant

Bigler, Richard (1988-2020)
Mathematics

Billingsley, Edmond (1968-2004)
Assistant to the President

Bills, Albin (1978-2008)
Biological Sciences

Bizzle, Nancy (1981-2005)
Administrative Assistant

Boggs, Christie (1985-2024)
Executive Assistant to the Vice President of Instruction

Boyer, Milton (1981-1992)
Dean of Instruction

Brandstatt, Dr. Gerald (1988-2003)
Computer Science, Drafting, Engineering

Brannon, Shirleigh (1995-2015)
Librarian

Bresina-Hutton, Suzanne (1999-2019))
Dean of Instruction

Brilts, Juri (2005-2013)
Grants Manager

Brown, Margaret (1986-2003)
Assistant Dean, Instructional and Community Services

Brown, Sue (1988-2009)
Human Resources Analyst

Brown, Wendy (1991-2013)
Language Education

Buchanan, Sharon (1986-2004)
Administrative Assistant

Buzza, Windsor M. (1971-2003)
Automotive Technology

Cabral, Patricia (1989-2015)
Mathematics

Calhoon, Tim (2007-2021)
Director, CCC Technology Center

Campbell, Richard (1970-2015)
Mathematics

Carey, Susan (1988-2018)
Counseling

Carpenter, Neil (1988-2000)
Mathematics

Carver, Richard (1972-2008)
Supervisor, Transportation, Maintenance, Grounds

Cassell, Mary (1975-2005)
Physical Education, Chemistry

Cen, Luozhu (1999-2016)
Dean of Instruction

Chandler, Jerry Kirsch (1987-2008)
Reading

Chapman, Joyce (1992-2002)
Court Reporting, BCIS

Chase, Cathy (1995-2012)
English as a Second Language (ESL)

Clark, Jean (1981-2006)
Language, Education and Development, Reading

Clark, Richard Allen (1968-1992)
Spanish

Cole, Suzie (1992-2010)
Administrative Secretary

Consol, Dr. Alfred (1968-1995)
Humanities, Language Arts, Foreign Languages

Cooper, David S. (1989-2017)
Art

Couch, Ken (1974-2015)
Computer Science

Cremer, Doug (2001-2013)
Director Information Technology

Cripe, Jo Anne (2000-2016)
Child Development/Life Management/First Year Experience

Dahl, Peter (1989-2022)
Media Production Specialist

Dalton, Claire (1971-2008)
Business Computer Information Systems

Danielson, David (1993-2016)
Mathematics/Dean for Student Learning

Davidson, Carolyn (1996-2016)
Language Education and Development, Reading

Davis, Genny (1974-2005)
Administrative Assistant

Delaney, Anita (1996-2020)
Administrative Secretary

Denney, Jean (1974-1997)
Physical Education, Health, Recreation and Dance

Donaldson, Barry (1990-1992)
Director, Glenn County Center

Dunbaugh, Michael (2005-2012)
Dean of Instruction

Duke, Lisa (1996-2022)
Mathematics

Dunlap, Marty (1984-2007)
Assessment

Dunn, Richard (1981-2010)
Coordinator, Disabled Students Programs and Services

Eggert, Steven (1974-2001)
Physics

Ekins, Dr. Roger (1986-2009)
English

Erwin, Keith (1967-1986)
Business

Evans, Arlene (1983-1987)
Vocational Nursing

Felling, Nancy (1986-1993)
Public Information Officer

Ferretti, Remo (1968-1992)
Physical Education, Recreation, Health

Findlay, Michael (1988-2015)
Anthropology

Flesher, Douglas D. (1970-1992)
Agriculture

Flores, Rudy (1993-2013)
Dean of Instruction

Forsmith, Julianne (1969-1997)
Language Arts, Drama, Speech

Franchi, Laureen (Reenie) (1989-2016)
Payroll Technician

Franchi, Rod (1995-2019)
Senior Maintenance Technician

Fugle, Gary (1989-2013)
Biology

Garten, Dorothy M. (1970-2003)
Business Education

German, Barbara (1971-1997)
Food Service Manager

Gish, Carole (1993-2008)
Director, Admissions & Records

Goberstein, Faina (1983-2012)
Mathematics

Goodson, David (2001-2021)
Assistant Director, TRIO

Gordon, Beverley (1978-2003)
Business Computer Information Systems

Gray, Dr. Donald, M. (1989-2006)
Assistant Dean, Admissions & Records

Griswold, Nancy (1971-1996)
Executive Director, Butte College Foundation

Guffy, Annette (1984-2012)
Administrative Assistant

Hagen, Lyman (2001-2014)
Agriculture

Hamberg, Lorraine (1980-2012)
Admissions and Records

Hannan, Gail (1998-2014)
Language Education and Development

Hansen, Bonnie (1987-2010)
Administrative Secretary II

Hartt, Phoebe (2006-2022)
Mathematics

Hasson, Dian (1969-2010)
Political Science

Hemenway, Phillip (1977-2006)
English

Hicks, Carolyn (1987-2007)
Nursing

Hoffman, Glenn (1976-2011)
Sociology

Hoiland, Eric (1995-2022)
Director, Career & Assessment Services

Hoiland, Scot (1984-2013)
Geography

Holloway, Valerie (2004-2015)
Welcome Center

Holman, Howard "Pete" (1971-1998)
Dean of Instruction

Holt, Yolanda (1974-1998)
English as a Second Language

Hood, Bruce (1979-2000)
Speech

Hopkins, John B. (1969-1986)
Mathematics

Hradecky, Carolyn (1975-2000)
Assistant Director, Human Resources

Hughart, Norm (1976-2010)
Business

Hughes, Margaret (1968-2005)
English

Hunter, Dee-Ann (1986-2003)
Supervisor, Shipping/Receiving and Print Shop

Hyde, Dennis (1980-2011)
Alcohol and Drug Studies

Ivey, Dennis (1994-2016)
Political Science

Jackson, Matthews, D. (1973-2006)
Vice President of Educational and Student Programs and Services

Jacobson, Herbert (2003-2013)
Agriculture

Jauron, Les (2001-2019)
Vice President For Planning, Research & Organizational Development

Jennings-Severe, Peggy (1984-2015)
Dean, Recruitment, Outreach, Student Life

Jensen, Nancy (1988-2019)
Student Services Supervisor

Kamman, Barbara (1971-2004)
Physical Education

Kelly, Macy (1988-2013)
Nursing

Kincheloe, Laurie (1983-2015)
Mathematics

Koehnen, Lori (2017-2023)
Administration of Justic

Kostiz, Reggie (1982-2008)
Business Computer Information Systems

Kraemer, Angela (1998-2012)
English

Larson, Peter (1968-1999)
Business, Accounting, Computers

Lawson, Claire (2008-2022)
User Support Services

Lee, Garrick (1970-2001)
Geography, Physical
Science (Meteorology), Mathematics

Lehmann, Sharon (1984-2001)
Nursing

Leitner, Susan (1968-2005)
Business Computer Information Systems

Lemley, Jack (1988-2015)
Director, Auxiliary Services

Lenhoff, Donna (1981-2005)
Language Education and Development

Lerch, Myra (1990-2009)
Disabled Students Programs and Services

Lewis, Janice (1974-1993)
Director of Finance

Liddell, Michael (1969-2004)
Director, Physical Education and Athletics

Lugo de Arnsdorf, Gabriella (1998-2011)
Language Education and Development

Lyssy, Chet (1970-1998)
Physical Education

Machuga, Ric (1985-2016)
Philosophy

Manthey, Mae (1984-2002)
Language Education and Development

Martin, Robert (1975-1999)
Physical Education

Mason, Paul (1996-2013)
Biology

Matlock, Ernest (1976-1992)
Assistant Superintendent,
Vice President for Instruction

Mattison, Dr. G. David (1989-2003)
Geology, Physical Science

Maxey, Barbara (1989-2008)
Assistant Dean, Contract Education

McCall, Kim (2007-2024)
Executive Assistant to the Assistant Superintendent/Vice President of Administrative Services

McKalip, Ruth Ann (2002-2022)
Employment Technician

McKinnon, Gloria (1972-1998)
Office Information Systems

McManus, Beverly (1985-2010)
Supervisor, EOPS/CARE

McNelis, Steven (1976-2008)
Administration of Justice

McSpadden, Marie (2002-2018)
Scheduling & Curriculum Analyst

Mead, Debbie (1988-2012)
Administrative Assistant

Medina, George (2003-2024)
Automotive Technology Faculty

Micalizio, Karen (1982-2018)
Dean, Financial Aid and Special Programs

Miller, Christine (2000-2024)
Financial Aid/Veterans Services Senior Assistant

Milosevich, Silvia (1989-2008)
Foreign Language, Honors, English

Moore, Michael (1973-2000)
Supervisor, Campus Police

Morin, Romeo (1968-1998)
Counselor

Mox, Andrea (2013-2021)
Chief Technology Officer

Nakagawara, Quentin (1969-2001)
Agriculture and Natural Resources, (Hort)

Neath, Alice (1985-2004)
Mathematics

Nelson, Stevens (1968-2001)
Sociology

Newlin, Merlyn (1984-2008)
Career and Employment Services

Newman, Kathy (1973-2005)
Biology

Newman, Larry (1986-2004)
Dean, Instructional Services

Newman, Lena (1987-2000)
Administrative Assistant, Instruction

Nutsch, Rita (1997-2023)
Mathmatics Faculty

Oakes, Gary (1968-2006)
Mathematics/Computer Science

Oba-Winslow, Carol (1987-2015)
Disabled Students Programs and Services

Old, Trudy(1997-2022)
Deputy Sector Navigator, Health Workforce Initiative

Osborne, John (1975-2010)
Language Arts

Parker, Becky (1990-2010)
Account Clerk

Parker, John (1970-2005)
Supervisor Facilities

Pascale, Pat (1996-2008)
Shipping and Receiving

Payne, Carl David (1998-2015)
Communication Studies

Pepperdine, Debra (1988-2008)
Human Resources Benefits Analyst

Petersen, Owen (1970-2001)
Agriculture and Manufacturing

Phillips, Lynn (1979-2009)
Nursing

Plyley, Cari (1985-2018)
Administrative Secretary

Racheter, Bruce
Project Manage, CCC Technology

Rasmussen, Mike (1977-2010)
Dean, Special Programs

Renville, Al (1976-2020)
Vice President for Student Services

Retes, Nancy (1991-2020)
Mathematics

Reynolds, Debra (1990-2019)
Counseling and Advising

Rice, Raymond (1968-1992)
Director of Maintenance and Operations

Riggle, Leonard L. (1968-1988)
Automotive Technology

Rigsbee, Craig (1987-2021)
Director, Athletics, Kinesiology

Rivas, Margaret (1990-2004)
Director, Adult Ed and
Community Services

Rodgers, Irene Fell (1971-1992)
Mathematics

Rogers, Donald Edward (1968-1990)
Coordinator of Counseling

Rojas, Judith (1993-2010)
Spanish

Sawyer, Tom (1991-2010)
Sociology

Schmidt, Jim (1974-2008)
English/Music/Journalism

Shannon, Ann (2003-2016)
Learning Resource Specialist

Sincoff, Steven (1998-2013)
Physical Sciences

Smith, Robert D. (1969-1995)
Physics

Snidow, Neal (1987-2009)
English

Snow, Sue (1980-2006)
Payroll Technician

Solomon, Daniel (1971-2005)
Respiratory Care Program

Speed, Ken (1985-2016)
Counseling

Spring, Helen (1968-1983)
Reference Librarian

Stagner, Brenda (2008-2023)
Food and Nutrition

Stanley-Hall, Carol (1975-2013)
Physical Education

Station, Mike (1986-2021)
Admission & Records Technician

Stenvall, Craig (1985-2019)
Supervisor of Maintenance & Grounds

Stenvall, Paula (1990-2016)
Human Resources Analyst

Stone, Gail (2006-2022)
Administrative Assistant

Stull, Will (1991-2003)
Sculpture, Art Appreciation

Swenson, Catherine (1999-2014)
Director, Economic
Workforce Development

Suleski, Andy (1996-2024)
Assistant Superintendent/Vice President of Administration

Tappenbeck, Jim (1989-2003)
Learning Center Coordinator

Taskiran, Ayse (2005-2017)
Anthropology

Taylor, Karen (1999-2015)
Accounting

Thompson, Elaine (1974-1992)
Director of Accounting/Budget

Travis, Patricia (Patty) (2001-2015)
Administrative Secretary III

Trolinger, Boyd (2001-2022)
Computer Science

Turner, Nancy (2002-2024)
Financial Aid/Veterans Services Assistant II

Van Dame, Maggie (1995-2010)
Manager, User Support Services

Van Der Ploeg, Dr. Diana (2003-2011)
Superintendent/President

Vanskike, Tami (2007-2021)
Administrative Assistant

Vogel, Shaaron (1996-2022)
Nursing

Weaver, Donna (1987-2017)
Dean of Instruction

Weiss, Carol (1981-2018)
Payroll Supervisor

Werner, Marianne (1996-2008)
English

Wheeler, Edward (1968-2000)
Anthropology

White, Jack (1970-1996)
Mathematics

Whitehouse, Dr. James M. (1997-2003)
Dean, Transfer and General Education

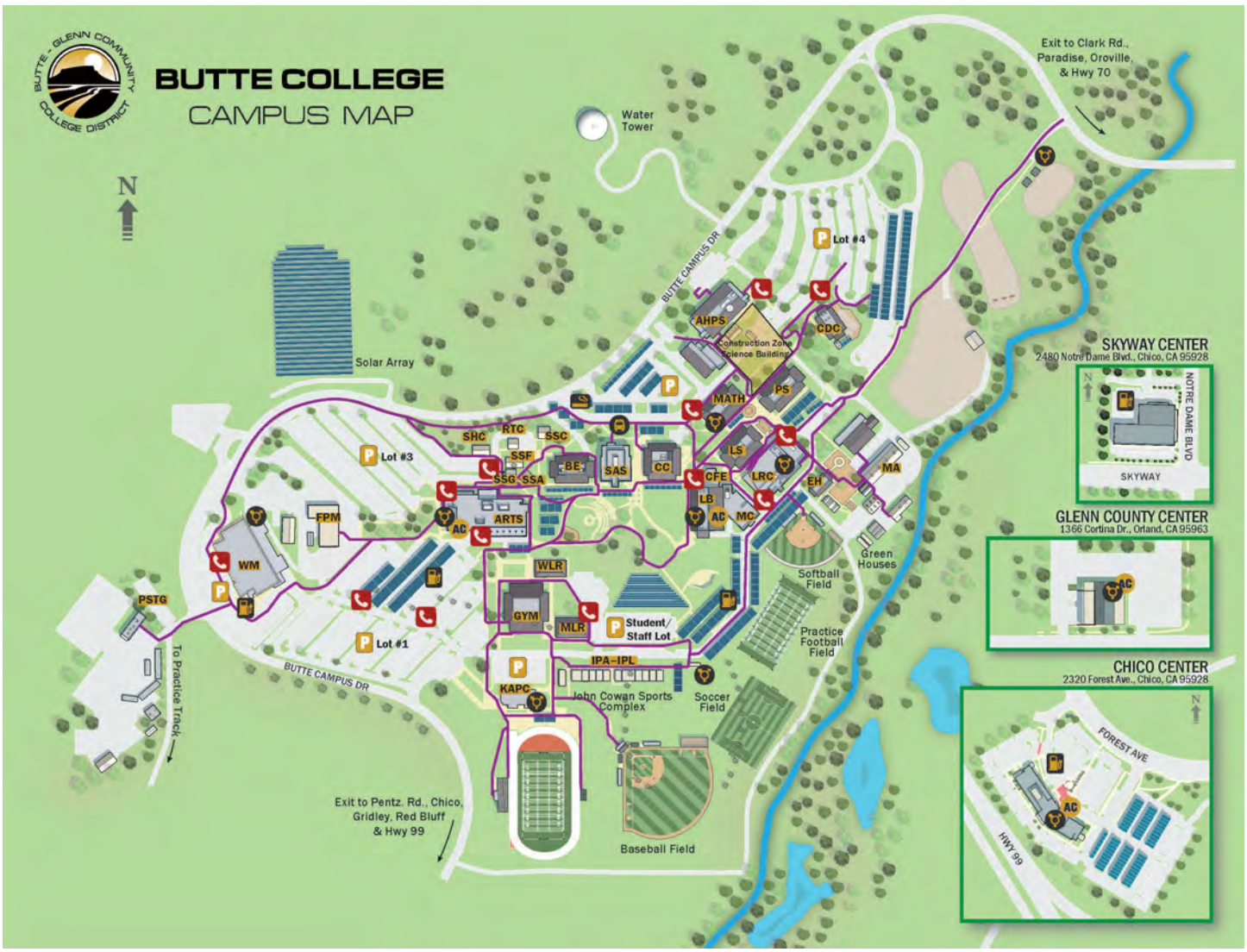
Wilmarth, Tip (2001-2020)
Environmental Horticulture, Agriculture

Wood, Christine (1989-2018)
Psychology

Wren, Anthony (1980-2017)
Physical Science, Chemistry

Yaqub, Samia (1989-2022)
Superintendent/President

For a completely interactive & printable map of our campus and centers, as well as information and directions, please visit **www.butte.edu/maps.**



Allied Health/Public Service Center	AHPS	Learning Resource Center	LRC	Student Health Clinic	SHC
Arts	ARTS	Life Science	LS	Swing Spaces	SSA-SSG
Business Education	BE	Library	LB	Welding & Manufacturing	WM
Campus Center	CC	Mathematics	MATH	Women's Locker Room	WLR
Center for Excellence	CFE	Mechanized Agriculture	MA	Bus Loading/Unloading	
Child Development Center	CDC	Media Center	MC	All Gender Restrooms	
Environmental Horticulture	EH	Men's Locker Room	MLR	Adult Changing Table	AC
Facilities, Planning & Management	FPM	Physical Science	PS	Designated Smoking Areas	
Gymnasium	GYM	Public Safety Training Grounds	PSTG	Emergency Phones	
Instructional Portables	IPA–IPL	Roadrunner Hub	RRC	Parking	P
Kinesiology & Athletic Performance Center	KAPC	Student & Administrative Services	SAS	Accessible Route	