Reedley College

2023 CATALOG 2024

Frequently Called Phone Numbers at Reedley College

(Area code 559)

Main Switchboard	494-3000
Admissions and Records	494-3023
Agriculture & Natural Resources Department Division Office	494-3010
Assessment Center	494-3000 ext. 3395
Athletic Director	494-3047
Business Department Division Office	494-3000 ext. 3264
Business Services Office	494-3042
Bookstore	442-8261
Cafeteria	494-3021
CalWORKs	494-3504
Career and Employment Center	494-3543
Child Development Center	494-3000 ext. 3127
Communication, ESL, & World Languages Department Division Office	494-3006
Composition, Literature, & Reading Department Division Office	494-3006
Counseling	494-3037
Dental Assisting	494-3070
Disabled Students Programs & Services	494-3032
District Police	494-3000 ext. 6140
Financial Aid	494-3012
Fine Arts & Social Sciences Department Division Office	494-3006
Foundation	494-3000 ext. 3655
Health Sciences Department Division Office	494-3531
Health Services	494-3028
Industrial Technology Department Division Office	494-3000 ext. 3133
Learning Center	494-3058
Library	494-3052
Marketing and Communications Office	494-3022
Math Center	494-3000 ext. 3158
Math, Computer Science, & Engineering Department Division Office	494-3531
Outreach Office	494-3011
Reading and Writing Center	494-3000 ext. 3619
Records Office	494-3023
Registration	494-3023
Residence Hall	494-3000 ext. 3109
Scholarship Information	494-3012
Science & Geology Department Division Office	494-3531
Student Activities	494-3000 ext. 3678
Transcripts	494-3023
Transfer Center	494-3000 ext. 3234
Veterans Office	494-3000 ext. 3400

REEDLEY COLLEGE

2023-2024 Catalog

995 N. Reed Avenue, Reedley, CA 93654

www.reedleycollege.edu

A public two-year college of the State Center Community College District

Catalog Statement

This publication is intended to serve students and prospective students as a guide to program planning, institutional services and regulations for attendance at this institution. This catalog becomes effective with the Fall 2023 semester and ends with the Summer 2024 semester, unless otherwise amended. The college reserves the right to adjust conditions of enrollment, class offerings and services rendered as dictated by the limits of institutional resources and enrollment conditions.

Students are held individually responsible for the information contained in the catalog. Failure to read and comply with college regulations will not exempt students from whatever penalties may incur.

Reference copies of the catalog are available in the Library, Counseling Center, Admissions and Records Office, on-line, and in the offices of the Vice President of Instruction and educational advisors. Students are encouraged to purchase and use their own copy of the catalog. Personal copies are for sale in the Reedley College Bookstore.

Reedley College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 331 J Street, Suite 200, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found on ACCJC's website (accjc.org) under the Resources dropdown menu Complaint Process (https://accjc.org/complaint-process/)

PROGRAM	ACCREDITOR/LICENSURES	STATUS
Aviation Maintenance Technology	Federal Aviation Administration https://www.faa.gov	Current
Automotive Technology	ASE Educational Foundation (Formally NATEF) http://www.aseeducation.org/	Current
Child Development Centers	National Association for the Education of Young Children https://www.naeyc.org	Current
Dental Assisting	California Department of Public Health http://www.dbc.ca.gov	Current
Forestry and Natural Resources	Society of American Foresters https://www.eforester.org	Current
Mechanized Agriculture	Association of Equipment Distributors http://aednet.org	Current
Nursing Assistant	California Department of Public Health https://www.cdph.ca.gov	Current

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Introduction

Reedley College Mission, Vision & Values

All of Reedley College's planning efforts stem from the college's Mission, Values, and Vision statements.

MISSION

To cultivate opportunities that empower our students and communities through engaging, equity-minded programs and services.

VISION

Providing equitable educational opportunities that transform our students and communities.

VALUES

To carry out our bold vision, we at Reedley College value:

- Equity, Access, and Inclusion: our success depends on every member of our campus community achieving their educational goals
- A Focus on Students: our practices, priorities, and policies are created, implemented, and reviewed with a relentless student-first approach
- Educational Excellence: the instruction, student services, and experience we provide to each student consistently exceed expectations
- Innovation: we embrace change that moves us closer to achieving our vision while adhering to our values, embracing the possibility that not every innovation will succeed
- Integrity: our words and actions are always consistent with our mission
- Stewardship: our decisions are made in the context of their financial, social, and environmental impacts on our campus, our region, and the world

Integrated College Plan

The college began work on updating its Educational Master Plan in late 2020, not long after the college and the wider world were severely impacted by the COVID 2019 pandemic. Considering the often unforeseeable external forces and internal conditions that have impacted the college, faculty, staff and students over the last five years, the college community and the writing team for the new plan recognized that to maintain the relevance and utility of the plan, it not only must create a vision and set long term goals for the college, but also be a flexible "living document" with the capacity to adapt to rapidly changing circumstances. The writing committee also wanted to ensure the integration of the new plan with all other college plans; to this end, the committee began collecting data to revise drastically the college's planning process.

An emerging theme at Reedley College is working intentionally to align college planning processes. Accordingly, the writing team decided to construct the Integrated College Plan (ICP) in a manner that includes all planning documents into a single comprehensive plan so that the same information, data, and goals are consistently informing every college plan. The result is a plan containing up-to-date college and community data utilized in all other college plans. Specific area college plans appear as Chapters in the ICP.

GOALS OF THE 2022 ICP:

- Goal #1: Improvement of Enrollment to equal or exceed 2018-2019 Full-Time Equivalent Students.
- Goal #2: Collaboration between Intersegmental and Community Partners
- Goal #3: Equity and Anti-Racism
- Goal #4: Communication

The 2022 ICP is intended to inform college development and strategic decisions until 2025, but the plan will be reviewed for progress annually and the planning process can be accelerated as needs arise due to external or internal influences.

Institutional Learning Outcomes

Students are expected to develop the following knowledge, skills, and abilities as a result of their overall experience at Reedley College.

INFORMATION LITERACY

- Find, evaluate, and organize information.
- Use and communicate information in written, verbal, or visual form effectively and ethically.

CRITICAL THINKING

- Apply critical and creative reasoning, including diverse perspectives, to address complex problems.
- Analyze quantitative and qualitative data and apply scientific reasoning to local and global issues.
- Identify and explain issues, analyze evidence, assess assumptions, define personal perspectives and positions, and evaluate the implications and consequences of conclusions.

EQUITY, INCLUSION AND SOCIAL JUSTICE

- Describe how history, culture, politics, economics, and geography have perpetuated inequities for people of different physical abilities and those with distinct linguistic, cultural, racial, religious, lifestyle, national, and political backgrounds.
- Engage in respectful communications, acknowledging ideas and values of diverse individuals that represent different ethnic, racial, cultural, and gender expressions.
- Demonstrate ethical principles, effective citizenship, and social justice advocacy through civic engagement.

PERSONAL AND CAREER DEVELOPMENT

- Interpret and manage physical and mental health needs to make beneficial lifestyle choices.
- Create, evaluate, and monitor academic, career, financial, and personal goals.

CREATIVITY, INNOVATION AND GLOBAL STEWARDSHIP

- Demonstrate appreciation for artistic and individual expression.
- Effectively employ current and emerging technologies for communication and collaboration in career, education, personal life, and the larger community.

GLOBAL STEWARDSHIP

- Understand one's place in the wider global ecosystem and contribute to environmental conservation and sustainability.

Reedley College's History

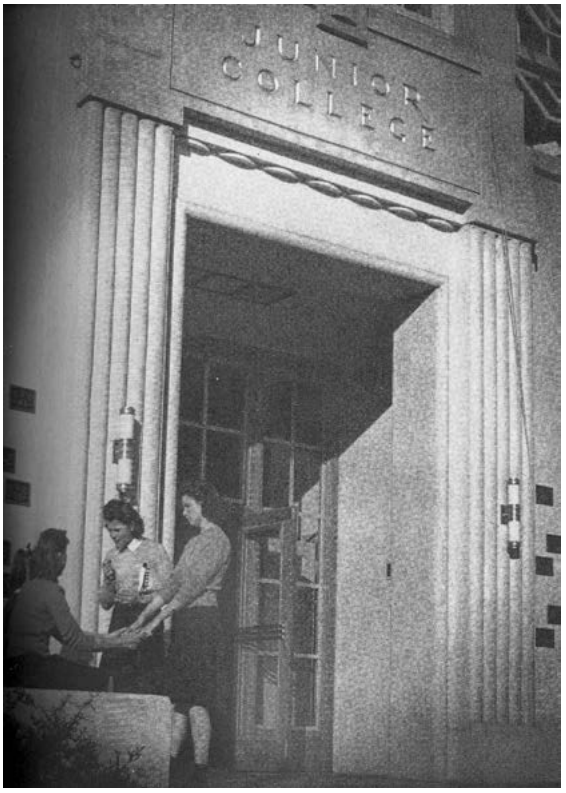
Reedley College was established in May 1926, as Reedley Junior College. Institutional doors were opened in September 1926 with a total of 30 students and six course offerings. In 1936 a separate building on the Reedley High School campus was built to house the junior college administration and provide additional classrooms. On July 1, 1946, the college recognized its role as a total community college.

By the late 1940s the governing board decided the time was right for the college to develop a separate campus and a separate identity. Thus, the board began negotiations to purchase the current campus site at Reed and Manning Avenues, once part of the historic Thomas Law Reed Ranch. In September 1956, the college moved to its present site, where it has continued to grow and expand.

In 1963 the college became a member of the State Center Community College District combining the resources of two of the oldest community colleges in the state. In subsequent years, Reedley College's influence expanded into several other communities including Dinuba, Easton, Fowler, Kingsburg, Parlier, Sanger and Selma. In 1980, the name was officially changed to Kings River Community College to better reflect the communities it served. The area served by the college continued to grow northward into the rural communities in the greater Fresno area. Serving communities as far-reaching as Clovis, Kerman, Madera, and Oakhurst, Kings River Community College developed three North Centers.

In accordance with the surrounding communities' wishes, the name Reedley College was restored in July, 1998.

In its 97 years, Reedley College has developed into an essential component of higher education in the central San Joaquin Valley, offering over 67 areas of study taught by approximately 178 full-time faculty and 400 part-time faculty. Since fall 2000, the combined sites under the Reedley College umbrella have provided services to over 102,000 individuals, amounting to an average of over 11,000 students per semester.



The presidents, in order of tenure are:

Edward W. Hauck (1926-1930)
J.T. MacRuer (1930-1933)
J.O. McLaughlin (1933-1950)
Leo Wolfson (1950-1956)
Gus Reimer (1956-1957)
Stephen E. Epler (1957-1960)
Clifford M. Boyer (1960-1976)
Ray A. Cattani (1976-1981)
Lincoln H. Hall (1981-1983)
Richard J. Giese (Acting President 1983-1984)
Abel B. Sykes, Jr. (1984-1989)
Richard J. Giese (1989-1997)
Thomas A. Crow (1997-2003)
Tony Cantú (Interim President 2003-2004)
Barbara A. Hioco (2004-2011)
Mitjl Carvalho Capet (2011-2012)
Michael White (Interim President 2012-2013)
Sandra Caldwell (2013-2018)
Donna Berry (Interim President 2018-2019)
Jerry Buckley (2019-present)

Reedley College provides comprehensive curriculum offerings, lifelong learning opportunities, counseling, and educational services. The campus serves approximately 5,500 students each semester and offers instructional opportunities that range from traditional classrooms and science laboratories to state-of-the-art occupational training facilities in day, evening, early morning, Online and interactive distance education formats. The college's location near mountains and farmland permits the natural surroundings to become part of the learning environment. Forestry students manage an 800-acre forest at Sequoia Lake, near Kings Canyon National Park, one hour from Reedley. Agriculture students gain experience on the campus' 300-acre farm, the largest on-campus community college farm in the state. In addition, Reedley College is one of only ten community colleges in California to provide on-campus housing.

The Reedley campus offers over 1,500 class sections each year in 67 areas of study and gives students a choice of transfer, Associate Degree, Associate Degrees for Transfer, Certificates of Achievement, and Certificates. The campus offers occupational programs in accounting, agriculture, animal science, automotive technology, aviation maintenance technology, business, child development, computer digital imaging, criminology, dental assisting, environmental horticulture, flight science, forest/park technology, health care interpreting, information systems, manufacturing technology, mechanized agriculture, medical administrative assistant, nursing assistant training, office technology, plant science, and welding technology.

Reedley Middle College High School

Established in 2012, the Reedley Middle College High School (RMCHS) is a partnership between Reedley College and Kings Canyon Unified School District. It is located on the Reedley College campus and offers students the opportunity to earn college credit while completing their high school diploma. All students will have the opportunity to work toward a community college certificate, associate degree, or become transfer ready depending on their class selection and completion of college courses. RMCHS pathway of study is intended for high school students interested in Agricultural Business, Business Administration, General Science, or General Transfer and is open to all students in the Kings Canyon Unified School District. Reedley Middle College High School is the only MCHS in the state to be recognized as an Exemplary Program by the Foundation for California Community Colleges. The award was established by the Board of Governors 1991 to recognize outstanding community college programs.

The District

Reedley College is one of four colleges in the State Center Community College District.

The State Center Community College District office is located at 1171 Fulton Street, Fresno, CA 93721. The district is comprised of Fresno City College, Reedley College, Clovis Community College, Career and Technology Center, Madera Community College, and Oakhurst Community College Center, and The Training Institute. Each campus offers certain programs/courses which are unique and are not offered at the other campuses.

Student Right to Know

Student Right-to-Know Rates for Fall 2017 Cohort
Completion Rate: 28.21%
Transfer Rate: 6.00%

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of the State Center Community College District and Reedley College to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2017, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three year period, from Fall 2017 to Spring 2020. 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 2018 to Spring 2020, are transfer students.

Based on the cohort defined above, 6% transferred to another postsecondary institution, (UC, CSU, or another California Community College) prior to attaining a degree, certificate, or becoming "transfer-prepared" during a five semester period, from Spring 2018 to Spring 2020. The CCCCO website is http://srtk.cccco.edu/572/srtk21.htm.

Academic Calendar

Fall Semester 2023

DATE	EVENT
August 7	Instruction begins
September 4	Labor Day Holiday (Campus Closed)
October 1	Last day for degree and certificate of achievement candidates to file application for December 2023 completion date
October 6	Last day to withdraw from college or to be dropped from 18-week classes
November 10	Veterans Day Holiday (observed) (Campus Closed)
November 23-24	Thanksgiving Day Holidays (Campus Closed)
December 4-8	Final examinations
December 8	End of Fall Semester 2023
December 11-29	Winter break

Spring Semester 2024

DATE	EVENT
January 8	Instruction begins
January 15	Martin Luther King, Jr. Day Holiday (Campus Closed)
February 16	Lincoln's Day Holiday (Campus Closed)
February 19	Washington's Day Holiday (Campus Closed)
March 1	Last day for degree and certificate of achievement candidates to file application for May 2024 completion date
March 8	Last day to withdraw from college or to be dropped from 18-week classes
March 25-29	Spring recess (Classes reconvene April 1)
May 13-17	Final examinations
May 17	End of Spring Semester 2024
May 17	Graduation exercises

Summer Semester 2024

Reedley College will conduct four sessions:
(subject to change)

- 4-week summer session
- 6-week summer session
- 8-week summer session
- 10-week summer session

DATE	EVENT
May 20	Instruction begins for 4- and 10-week classes
May 27	Memorial Day Holiday (Campus Closed)
June 3	Instruction begins for 8-week classes
June 14	Final examinations; end of 4-week classes
June 17	Instruction begins for 6-week classes
July 1	Last day for degree and certificate of achievement candidates to file application
July 4	Independence Day Holiday (observed) (Campus Closed)
July 26	Final examinations; end of 6-, 8-, and 10-week classes
July 26	Final examinations; end of 8-week classes. Last day for degree and certificate of achievement candidates to file application for August 2024 completion date

Note: Evening classes observe the same holiday and examination schedule as day classes.

Admissions and Registration

Admission of Students

Any graduate of an accredited high school may be admitted to Reedley College. Also, any person having successfully completed the California High School Proficiency Exam (CHSPE) or the General Education Development test (GED) with scores of 45 overall and with no subtest lower than 35 may be admitted.

Upon completion of applicable admission requirements, registration materials are issued by the Admissions and Records Office. For dates relating to registration, check the calendars in this catalog or inquire at the college's Admissions and Records Office in the Student Services Building.

Students should complete all plans for entrance as early as possible and be familiar with the following: (1) general requirements of the college, (2) special requirements in the major field of study, (3) the general requirements of the college or university they may wish to attend in the future, and (4) the most desirable electives.

General Admission

Admission to Reedley College is open to anyone (subject to residency requirements listed on page 13) who is at least 18 years old, or has a high school diploma, or the equivalent (such as the California High School Proficiency Examination).

READMISSION

Former students of Reedley College returning after an absence of two or more semesters must make formal application for readmission. An official transcript of work taken at any other institution (including summer session and extension or correspondence courses) since the date of last enrollment at Reedley College must be sent from the previous schools to Reedley College, 995 North Reed Avenue, Reedley, CA 93654.

TRANSFER ADMISSION

Students who have previously attended another college and are in good scholastic standing are eligible to enroll at Reedley College, subject to residence requirements. Records for transfer students are evaluated with regard to the scholastic status system in use at Reedley College at the time of enrollment. It is important to note that transcripts received with "work in progress" are not considered complete.

INTERNATIONAL ADMISSION

An application, official documents and detailed transcripts of record should be submitted to the Admissions and Records Office no later than two months prior to the beginning of the semester for which the student is being considered for admission: June 1 for fall semester and November 1 for spring semester. A student from another country is not admitted until notified of admission in writing by the Admissions and Records Office. It is required that international students achieve a minimum score of 500 on the Test of English as a Foreign Language (TOEFL) for regular standing. TOEFL scores below 500 may be approved by special action. When an international student arrives at Reedley College, the student should report first to the Admissions Office.

At the time of registration, each student must have evidence of health insurance and have complied with the district policy regarding tuberculosis testing. It is also mandatory that each student successfully complete an English course during each semester at Reedley College until graduation requirements have been met for program completion or for transfer purposes and that the student maintain 12 units or more each semester.

Community College High School Enrichment Program

Current high school juniors and seniors may be admitted to the college through the High School Enrichment Program. High school students can obtain information from their high school counselor or from the college's Counseling Center. Call (559) 494-3037 for details. Besides applying for the program through a counselor, the student needs to be present the first day the class meets, and ask the instructor for an authorization code, which is the permission to enroll.

In addition to the regular semesters, high school students are eligible for the summer session prior to their junior year and the summer session between their junior and senior years. The same first day attendance and permission to enroll applies for the summer classes.

Summary of Admission Requirements

Any student who intends to obtain a degree or certificate of achievement at Reedley College or plans to transfer to a four-year college or university shall be required to:

1. File a completed admission application prior to the deadline as specified in the catalog.
2. Request the last high school attended to send one transcript of work completed or attempted if high school was attended in the last two years. Transcript is to be an official copy sent directly from the previous school to: Reedley College Admissions and Records Office, 995 N. Reed Avenue, Reedley, CA 93654
3. Have the GED scores or a copy of the CHSPE Certificate sent to the Admissions and Records Office if the GED test or the California High School Proficiency Examination (CHSPE) was taken in the last two years.
4. Request each college of attendance to send a complete transcript of work attempted whether or not credit was earned. Transcripts are to be official copies sent directly from the previous college to Reedley College.

Application for Admission

Reedley College is one of multiple colleges and centers within the State Center Community College District (SCCCD). Students need only submit one application for admission to any of SCCCD's colleges/centers. Apply online at www.reedleycollege.edu for greatest convenience.

WHO NEEDS TO APPLY?

If you have never attended (first time college or transfer student) a college or center within the State Center Community College District (SCCCD); If you previously attended (returning student) a college or center within SCCCD and have been away for two or more consecutive primary semesters (fall to spring or spring to fall); if you are a high school graduate and previously attended as a high school student (enrichment or dual enrollment); you must complete the SCCCD online admissions application.

HIGH SCHOOL ENRICHMENT/DUAL ENROLLMENT ADMISSION

High school students who wish to enroll in college courses before graduating high school, must complete a SCCCD online Enrichment/ Dual Enrollment admissions application as well as the required Enrichment or Dual Enrollment program packet for the campus or center the student would like to attend.

Residency

By law, every student must file a statement declaring their residence status. The form for such a statement is included in the application process.

A maintenance allowance is available for students attending Reedley College whose permanent residence is in a California non-district territory (district without a community college) and who live more than 60 miles from the "nearest community college attendance center." For further information, contact the Admissions and Records Office in the Student Services Building. (Title 5 Section 54200).

It is recommended that all students whose legal residence is outside of the State Center Community College District have a health and accident insurance policy while attending Reedley College.

IN-STATE

Students who have established residency in California for at least one year and one day prior to the beginning of the term in which they enroll.

OUT-OF-STATE/INTERNATIONAL

Students who have not resided in California for at least one year and one day prior to the beginning of the term in which they enroll.

EXEMPTION FROM NONRESIDENT TUITION (AB-540)

Any student, other than one with United States Citizenship and Immigration Services (USCIS) nonimmigrant visa status (see exception below for students who have been granted T or U visa status), who meets all of the following requirements, shall be exempt from paying nonresident tuition at the California Community Colleges, the University of California, and the California State University (all public colleges and universities in California).

A student is exempt from paying nonresident tuition if the student meets all of the following four requirements:

1. The student must have:
   - attended a combination of California high school, adult school, and California Community College for the equivalent of three or more years; or
   - attained credits earned in California from a California high school equivalent to three or more\ years of full-time high school course work and attended a combination of elementary, middle and/or high schools in California for a total of three or more years, and

2. The student must have:
   • graduated from a California high school or attained the equivalent prior to the start of the term (for example, passing the GED or California High School Proficiency exam), or
   • completed an associate degree from a California Community College, or
   • completed the minimum requirements at a California Community College for transfer to the California State University or the University of California, and
3. The student must register as an entering student at, or current enrollment at, an accredited institution of higher education in California, and
4. The student must file an affidavit with the college or university stating that if the student is a non-citizen without current or valid immigration status, the student has filed an application to legalize immigration status, or will file an application as soon as the student is eligible to do so.
   • Students who are nonimmigrants who are victims of trafficking, domestic violence, and other serious crimes who have been granted T or U visa status, under Title 8 of the United States Code, sections 1101(a) (15)(T) or (U) are eligible for this exemption.
   • Students who are nonimmigrants, other than those with T or U visa status as noted above, [for example, those who hold F (student) visas, B (visitor) visas, etc.] are not eligible for this exemption.
   • The student must file an exemption request including a signed affidavit with the college that indicates the student has met all applicable conditions described above. Student information obtained in this process is strictly confidential unless disclosure is required under law.
   • Students eligible for this exemption who are transferring to another California public college or university must submit a new request (and documentation if required) to each college under consideration.
   • Nonresident students meeting the criteria will be exempted from the payment of nonresident tuition, but they will not be classified as California residents. They continue to be "nonresidents."

Matriculation

Matriculation is the process that brings Reedley College and each student into an agreement for the purpose of realizing the student's education objectives.

With the State Matriculation Plan, Reedley College provides:

- An admission process
- An assessment of basic educational skills and career goals
- Orientation to college programs, services and procedures
- Individual counseling to the development of a Student Educational Plan
- Continuous follow-up on student progress with referral to support services as necessary

As their part of the Matriculation Plan, students agree to:

- Declare a specific educational objective within a reasonable period of enrollment
- Complete an orientation session
- Attend counseling sessions during the first two semesters of college prior to registration to develop and refine a Student Educational Plan

EXEMPTIONS

Students may be exempt from various matriculation components. See a counselor to review exemption criteria. Any student may seek waiver from the matriculation process. Visit the Counseling Center for more information.

APPEALS PROCEDURE

Students may request, in writing, to waive orientation, counseling and testing or assessment. Students will meet with a counselor to discuss the student's request for exemption. If both the counselor and student agree that an exemption is warranted, an exemption form will be signed by both parties. If a disagreement ensues, the student will be allowed to appeal to the vice president of student services or the dean of students, and the student will discuss the student's request and resolve it during this meeting. In every case, the student has the right to be exempted from matriculation components, although the counselor and/or vice president may believe that participation is in the student's best interest and would be beneficial in helping the student to select appropriate classes.

STUDENT SUCCESS/MATRICULATION CHECKLIST

Every student should have an educational goal, a reason for going to college. Matriculation is the process that allows the college and the student to form a partnership which helps you attain your goals. We ask you to commit yourself to an educational objective and we will commit ourselves to helping you succeed. The components of matriculation are as follows:

- **APPLICATION/ADMISSIONS**
  The first step is to complete an application for admission. Applications are available online at www.reedleycollege.edu > Apply Online. Computers with Internet access are available in the webroom located in the Student Services Building
- **ACTIVATE YOUR SCHOOL EMAIL**
  Activate your WebAdvisor Student Account at www.reedleycollege.edu > "My Portal" or "Quick Links.New, former, and returning students, please allow 2-3 business days after submitting your application for admission. Activate your school email account at www.reedleycollege.edu > Campus Life > Student Login Instructions. New, former, and returning students, please allow 2-3 business days after submitting your application for admission.

- **ORIENTATION**
  Participate in a Reedley College orientation. Attend the orientation online at www.reedleycollege.edu > Reedley College Online Orientation.
- **ASSESSMENT/ADVISING**
  Pursuant to Education Code §78213, students have the right to access transfer-level coursework in English, math, and credit academic ESL. RC utilizes multiple measures including reviewing high school transcripts and AP test scores for initial placement. Students can choose to complete the Reedley College ESL Guided Self-Placement and select their ESL course level. Students should meet with a counselor to discuss the placement and enroll in appropriate courses.

  It is highly recommended that students planning to take an English class, a math class, an ESL class, or a class requiring an English or math prerequisite, meet with a counselor prior to registration.
- **FINANCIAL AID (available for eligible students)**
  If you need financial assistance, Reedley College is committed to helping you obtain financing for your education. For those that qualify, Financial aid includes scholarships, grants, loans, and on-campus employment. Visit the Reedley College Financial Aid Office at www.reedleycollege.edu/financialaid. Financial Aid applications are available online at www.fafsa.ed.gov.
- **REGISTRATION**
  Register for classes. Students who are first to complete steps one through five are the first to register. Students can register online at www.reedleycollege.edu, in person at the Admissions and Records Office or at Reg-To-Go at their high school. The fall semester begins in mid-August and ends in mid-December. The spring semester starts in early January and ends in mid-May. Summer sessions begin in June and end in late July and early August.
- **PAY FEES**
  Pay your fees within 48 hours of registering for classes so you don't get dropped! If you receive financial aid, you still need to make sure that your fee balance is paid. You can pay your fees at the Business Services Office window in the Student Services building or online on My Portal > Self Service.
- **BUY YOUR BOOKS AND PARKING PERMIT**
  Bring your schedule, and purchase your books at the Bookstore. If you plan to park on campus, parking permits are $30 per semester, and $20 during the summer and may be purchased in the Business Services Office in the Student Services building or in the Bookstore.
- **STUDENT EDUCATIONAL PLAN (SEP)**
  Meet with a counselor to develop a semester-by-semester student educational plan (SEP) based on your educational and individual goals.
- **FOLLOW-UP APPOINTMENT**
  After developing your SEP, make a follow-up appointment with a counselor to discuss certificates, degrees, majors, and to revise and complete your SEP.
- **ATTEND CLASS**
  Go to class! If you miss the first day of class, your seat may be given away to another student!

MATRICULATION EXEMPTIONS

Certain students may be exempt from several components of matriculation including assessment, orientation, and counseling/advising.

The exemptions are as follows:
Assessment exemption:

1. the student has submitted evidence (e.g., official grade report or transcript) which provides verification of satisfactory completion of the college level prerequisite course; or
2. the student chooses not to participate.

Orientation and/or counseling/advising exemption:

1. the student chooses not to participate;
2. the student has completed twelve or more acceptable transferable units;
3. the student has completed an associate degree or higher;
4. the student has certain educational goals; a. to maintain a certificate or license; b. personal development (intellectual, cultural); or c. to complete credits for a high school diploma or G.E.D.

ADVISING

A counselor or education advisor is available to assist students with their educational endeavors each semester. Students may obtain counseling assistance by contacting the Counseling Center. Online counseling is also available via the Reedley College website at www.reedleycollege.edu.

Registration

Following the application process, a student receives approval for registration. Registration information may be found in the schedule of courses. Registration is the act of officially enrolling in one or more courses at one or more of the State Center Community College District locations.

ASSIGNMENT OF REGISTRATION DATES

Upon completion of the applicable admission requirements, specific registration instructions are emailed to the student's SCCCD (my.scccd.edu) email account. Registration instructions are sent beginning in March for the summer/fall semester and in October for the spring semester.

Effective for Summer/Fall 2014 registration, SCCCD established Registration and Enrollment procedures in accordance with Title 5, Section 58108. Assignment of registration dates is determined based upon the following Tier requirements.

TIER	PRIORITY GROUP	REQUIREMENTS
1	Active Military/Veterans, CalWORKs, Disabled Student Programs and Services (DSPS), Foster Youth, Extended Opportunity Programs and Services (EOPS), verified homeless, Tribal TANF, and Central Valley Promise (CVP)*.	• Fully Matriculate - CVP: fully matriculated by published deadline) • Good Academic Standing (not req. for Foster Youth or homeless) • Do not Exceed 90 SCCCD degree applicable units
2	District approved groups based upon AR 5055: ASG, Athletics, DSPS Note takers, Future Nurses, Honors, Middle College High Schools, ROTC, TRIO, Student Ambassadors	• Good Academic Standing • Continuing students must have an SEP by published deadline • Do not exceed 90 SCCCD degree applicable units • First-time college students MUST be fully matriculated
3	Continuing students who have completed a Student Education Plan (SEP)*. *Based upon Quality Points*	• Good Academic Standing • Continuing students must have an SEP by published deadline • Do not exceed 90 SCCCD degree applicable units • First-time college students MUST be fully matriculated
4a	First-time college students – from SCCCD feeder High Schools	• Fully Matriculated by published deadline
4c	First-time college students – Home Schooled within the SCCCD service area	• Fully Matriculated by published deadline
4b	First-time college students from non-feeder high schools	• Fully Matriculated by published deadline
5	Continuing students without a Student Education Plan (SEP). *Based upon Quality Points*	• Good Academic Standing • Do not exceed 90 SCCCD degree applicable units
6a	First-time college students who are not fully matriculated, College Advancement Program	N/A
6b	Returning students with a Student Education Plan (SEP)	• SEP on file by published deadline Good Academic Standing • Do not exceed 90 SCCCD degree applicable units
6c	Returning students without a Student Education Plan (SEP) and transfer students	• Good Academic Standing • Do not exceed 90 SCCCD degree applicable units
7	All not meeting criteria above may register during any open enrollment.	• Not good • Over 90 SCCCD degree applicable units • High School Enrichment

DEFINITIONS:

First-time students: Students who are attending college for the first time, excluding high school enrichment students.

Continuing students: Students who are continuously enrolled from one primary (fall or spring) term to the next.

Returning students: Students who previously attended that stopped out for at least one primary (fall or spring) term.

Good Academic Standing: A student who is not on academic or progress probation, or whose most recent term was successful, is in Good standing for enrollment priority only.

Academic Probation: after attempting 12 units, student's cumulative GPA falls below 2.0.

Progress Probation: after attempting 12 units, student does not complete more than 50% of units attempted.
SEP: Student Educational Plan. The plan outlines suggested courses for students based on degree, certificate, or transfer plans.
***SEPC**: Comprehensive Student Education Plan. Students who complete an SEPC may have their registration date advanced by 1 day within the student's current tier.
Fully Matriculated: Students who complete the college orientation, assessment/placement test, and student educational plan.
90 Degree Applicable Units: Based on units earned at SCCCD. Excludes units earned from basic skills and special courses.

INTRA-DISTRICT TRANSFER

Students who plan to transfer to other colleges and sites in the SCCCD for the ensuing semester will receive the same registration service and priority as currently enrolled other colleges and sites in the SCCCD students. It is advised that any transfer student see a counselor.

CLASS SCHEDULE CHANGE

Errors in registration should be rectified during the first week of each semester. Students are encouraged to discuss with their counselors program changes that affect their educational plans.

Student Fees

Enrollment fees for California residents are subject to change without notice per California State Legislature and Governor. If enrollment fees are raised after you enroll, you will be notified of the additional amount that you need to pay.

ENROLLMENT FEES*

The state of California mandates an enrollment fee be charged to all students. Each student pays this enrollment fee based upon the number of units they register for each semester. California residents are charged $46 per unit. Fees are due on the date indicated in the Schedule and as posted on the College website. Beginning the first day of the semester, however, fees are due the same day of registration. California residents are encouraged to apply for the California College Promise Fee Waiver through the Financial Aid Office. Effective fall 2006, the Student Health Fee will no longer be covered by the California College Promise Fee Waiver. (E.C. 76300; 5 CCR 58500-58509).

** Fees are subject to change without notice.*

NONRESIDENT AND INTERNATIONAL TUITION

Nonresident and international students are charged tuition fee as follows (Education Code 76140.5):

Regular and Summer Sessions
Each full unit taken:

TUITION	COST
Nonresident Student Tuition	$315
International Student Tuition	$315
Plus Enrollment Fee per unit	$46

Note: Nonresident tuition is computed each year in accordance with a state-mandated formula and is therefore subject to change. Contact the Business Office for current information. Fees are subject to change without notice.

A "nonresident" student is a student who has not resided in the state for more than one year immediately preceding the first day of the regular semester/summer session (Title 5, Section 54002), and has not demonstrated evidence of intent to be a California resident. Check with the Admissions and Records Office for details regarding residency requirements.

All international students must also have proof of domestic health insurance coverage in the amount prescribed by Board policy (which includes repatriation). Contact the Admissions and Records/International Students Office for details.

Authorized apprenticeship students are exempt from nonresident tuition fees for apprenticeship courses only.

INSTRUCTIONAL MATERIALS FEE*

In accordance with Title 5, Section 59404(b) and Title IV, State Center Community College District may require students to provide certain instructional and other materials. These may include, but are not limited to, textbooks, tools, equipment, and clothing (e.g. uniforms).

Such material may be required if:

1. The materials are used in the production of a course-related project or "end project" that has a continuing value to the students outside of the classroom setting; or
2. The materials required for the class have continuing value to the students outside the classroom setting.

Students who wish to purchase instructional materials on their own must secure advance written approval of the instructor and provide such written approval to the Business Services Office for a waiver of the material fee.

HEALTH FEE*

The health fee provides students with a variety of health care services. In accordance with Board policy, students are required to pay a health fee, regardless of the units taken. For on-campus classes the health fee is $21 for each semester (fall and spring terms) and $18 for the summer term. For off-campus and online classes students are required to pay an $13 health fee each term (fall, spring, and summer). For students enrolled at both on-campus and off-campus sites, the health fee is charged at the on-campus rate. On-campus sites include Fresno City College, Reedley College, Madera Community College, and Clovis Community College. This fee is not waived by the California College Promise Fee Waiver. The use of on-campus labs or the on-campus tutorial center will result in an on-campus health fee.

In accordance with California Educational Code Section 76355, an exemption/waiver from the health fee is available to the following students:

- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization.
- Students who are attending a community college under an approved apprenticeship training program.

The Health Fee Waiver Form is available from the Reedley College Business Services Office. The Health Fee Waiver Form is available online: https://www.reedleycollege.edu/admissions-aid/business-services/health-fee-waiver-form-9-11-2014-interactive.pdf. The form must be turned in prior to the start of each semester.

PARKING FEE*

Students who choose to use an approved on-campus parking area must purchase a district parking permit. The permit must be displayed in the vehicle and must be visible at all times. Fall and spring permits are $30 per semester. Summer session permits are $20. One-day permits cost $1. Semester permits may be purchased at the Business Office and Bookstore. One-day permits are available in vending machines at parking lot entrances. Metered and handicap parking are also available. Copies of campus parking regulations are available at the campus Police Department or on their website at scccdpolice.com.

TRANSCRIPT FEE*

Requests for transcripts of courses taken within the State Center Community College District must, by provision of State and Federal law, be accompanied by the written signature of the student. Students are entitled to obtain two copies of their transcript free of charge; each additional copy is $5.

ORDER TRANSCRIPTS

Reedley College requests for official transcripts are administered by Parchment. Transcript orders must be made online at https://www.reedleycollege.edu/admissions-aid/transcripts.html. Online ordering with Parchment offers several delivery methods: electronic, email, pdf, and postal mail. Students pay online during the order process.

Transcript requests will include all courses taken within the State Center Community College District (Fresno City College, Career & Technology Center, Training Institute, Clovis Community College & Clovis/Herndon Campus, Reedley College, Madera Community College and Madera Community College at Oakhurst as well as other associated sites).

ASSOCIATED STUDENT GOVERNMENT FEE*

Students have the option of purchasing an ASG membership card (Tiger One Card) for $10 for the academic year which begins each fall term. ASG cardholders receive discount rates for admission to a number of college activities and may vote in student elections. For more information, contact the Reedley College Student Activities Office at (559) 494-3000 ext. 3678.

REEDLEY COLLEGE ASSOCIATED STUDENT GOVERNMENT REPRESENTATION FEE*

Assembly Bill (AB) 1504, approved by the Governor October 4, 2019, amended Section 76060.5 of the Education Code to require a community college to collect the addition of a $1 fee. This fee collected shall be expended to support the Student Senate of the California Community College (SSCCC), the statewide community college student organization recognized by the Board of Governors (BOG) of the California Community Colleges. The legislation is effective January 1, 2020.

A student representative fee of $2.00 is charged each semester, excluding summer sessions, to all students taking classes at Reedley College, Fresno City College, Clovis Community College, and Madera Community College, including the community campus locations. The fee is charged at each location a student attends, so students attending all four locations would be charged a total of $8.00. This fee is used for student advocacy at the local, state, and national levels. For more information, contact the Reedley College Associated Student Government at (559) 494-3097. When a student registers for classes, they can opt-out of this fee.

CREDIT BY EXAM FEE

Application for Credit by Examination (CBE) is available in the Counseling Office located in the Student Services Building. If the application for the credit by exam is approved, the student must pay the credit by exam fees to the Business Office, no later than the end of the ninth week of the semester. Fees are the state per unit fee required by State Law (E.C.76300;5, CCR 58753) which is currently $46 per unit. (i.e., credit by exam for a 4.0 unit class would be $46 per unit enrollment fee* for a total of $184. If California residency has not been established, non-resident tuition fees will also be added). Students awarded the California Promise Fee Waiver are entitled to have the fees waived and paid by the waiver. Loss of the California Promise Fee Waiver after fees are waived would result in the student becoming responsible for the CBE fees. The receipt for payment must be presented to the instructor before the exam will be administered.

Refund to Students

***REFUND FEE PROCESSING**

It is the student's responsibility, not the instructor's responsibility, to drop a class by the refund/fee reversal deadline. A refund or reversal of enrollment, tuition and class material fees shall be made in accordance with the district refund policy. Students are required to submit a refund request form to the College Business Services Office. Requests may also be submitted online at www.reedleycollege.edu/business-services > Refunds/Fee Reversals. Please ensure that all class(es) are dropped before submitting your request. The refund process may take up to eight weeks to receive. If fees were paid with a credit card the refund will be applied to that credit card. If paid by check or cash, a refund check will be made payable to the student and is mailed to the student's official address on record with the college.

***REFUND OF ENROLLMENT FEES AND TUITION**

Refund or reversal of enrollment fees and tuition shall be made following cancellation or withdrawal from class(es) in accordance with the following schedule. Refunds shall be initiated upon receipt of a written request to the Business Office. Requests may also be made online.

Refund requests are subject to an audit of the student's record to verify balance. Credit balances may be carried forward to the new term in lieu of a refund. Balances greater than or equal to $15 will remain on the books for three years and amounts less than $15 will remain on the books for one year.

**Primary Term-Length (18-week) Classes*

- Withdrawal during the first two weeks of the semester: 100% refund
- Withdrawal after the second week of the semester: no refund.

**Summer/Short-Term Classes*

State code defines the drop deadlines to qualify for fee refund/reversals for short-term classes as on or before 10 percent of the duration of the class.

- A 100% refund is given upon withdrawal by the 10 percent point.
- No refund is given after withdrawal beyond the 10 percent point.

*NUMBER OF ACTUAL CLASS MEETINGS:	10% POINT (ROUNDED DOWN)	100% REFUND IF WITHDRAWAL IS ON OR BEFORE:
8	0.8 = 0	1st day of class
16	1.6 = 1	1st day of class
24	2.4 = 2	2nd day of class
38	3.8 = 3	3rd day of class

***REFUND OF HEALTH FEE**

Students receive a refund upon complete withdrawal from all classes in accordance with the enrollment and tuition fee refund schedule.

***REFUND OF PARKING FEE**

Full refunds for parking permits will be made during the first two weeks for the fall/spring semesters and the first week of the summer session upon proof of complete withdrawal from school. The parking permits must be attached to a Request for Refund form and returned to the Business Office in order to obtain the refund. There is no refund for limited-term parking permits.

***REFUND OF ASSOCIATED STUDENT GOVERNMENT MEMBERSHIP**

Students must request a refund from the ASG Office. A 100% refund during the first week and a 50% refund during the second week of the semester.

Academic Regulations

Units of Academic Credit

The standard quantity for measurement of college work is a unit. One unit equals one hour of classroom lecture per week plus two hours of study. Using this formula, a class that meets in lecture three times a week for one hour will be worth three units. This college operates on the semester system and all references to units of academic credit in this catalog are to semester units. Quarter units from other colleges may be converted to semester units by decreasing the number of quarter units by one-third.

Course Load

The normal semester load is 15 units. Students enrolled in 12 or more units are considered full-time students. Students with regular admission status who are not on academic probation may take as many as 18 units. Students on academic probation are normally limited to 12 units.

Permission to enroll in excess of 18 units is granted only when unusually high scholarship and/or urgent need prevail. Counselors can approve a student request to take 19 to 21 units. Students who wish to take 22 or more units may obtain a petition for this purpose in the Counseling Center. The student must receive approval from the VP of Instruction or their designee to enroll in 22 or more units.

Students are urged to keep in mind their study time, employment, and other personal responsibilities when planning their class load.

Summer Units Allowed

All students are limited to 18 units in all summer sessions, with no more than 8 units allowed in a four-week session. Disqualified students and students on probation are required to have a counselor's approval before registering for any summer session(s). Disqualified students and students on probation who have obtained a counselor's approval to register for any summer session(s) must also have a counselor's approval before adding any class(es) in any summer session(s).

Attendance

Students are expected to attend all sessions of classes in which they are enrolled. Excessive absence will jeopardize a student's satisfactory progress in a class. Students may be dropped from class if they fail to attend the first class session of the semester. There are no institutionally approved excused absences for any reason. Only the instructor may excuse an absence. Absences caused by personal engagements, transportation delays and business affairs will not be excused, nor will absences from class to complete registration or add/drop activities.

The faculty places strong emphasis on attendance in all classes. Students are expected to be in the classroom at the time the class begins. Instructors are required to take attendance at each class session. Any student who is excessively absent may be dropped from the class as specified in each class syllabus. Unless there are significant extenuating circumstances, that student will be immediately dropped from class by the instructor if the absences are occurring before 50 percent of the class is expired. Lack of regular attendance after the 50 percent drop deadline may result in an unsatisfactory grade.

Once dropped, should a student believe there is just cause for reinstatement, the student may petition through the Office of Admissions and Records. Reinstatement will be granted only if the student had been doing satisfactory work immediately prior to the excessive absence and if it is the judgment of the instructor that the student has a reasonable chance of passing the course.

It is the students' responsibility to drop any classes they no longer wish to continue. They must not merely stop attending and must not rely on being dropped by others. Students must complete the drop process for themselves.

SHORT TERM LEAVE FOR MILITARY SERVICE

Students currently serving in the US Armed Forces (particularly those in the Reserve or National Guard) may be called to active duty or be required to fulfill reserve military obligations for periods shorter than 30 days. In recognition of the fact that such service is mandated by state or federal government authorities, absences for these duties shall be considered "excused absences" and shall be accommodated by the campus. This means that the student shall not be penalized for the absence.

The instructor will provide the service member with reasonable alternative arrangements and due dates to complete coursework missed due to mandatory military service. Examples of alternative arrangements may include:

- Rescheduling exams and quizzes
- Creating alternative assignments
- Offering online opportunities to participate in class
- Establishing alternative dates, times, or modalities for presentations
- Offering independent study options to complete course requirements

Coursework submitted by the revised deadline shall not incur a reduced grade penalty. A student whose service meets the requirements for short term military leave may also choose from the following options for absence for periods of less than 30 days of service:

- Withdraw from the institution, retroactively to the beginning of the academic term, with a full refund of tuition and fees. (California Education Code § 99130 and Section 824 of the Military and Veterans Code)
- If at least 75 percent of the academic term has been completed, the student may request that the faculty member assign a grade for the course based on the work the student has completed.

The faculty member shall make the final decision as to whether to grant the student's request. (California Education Code § 99130).

If the faculty member assigns a grade of Incomplete for the student's coursework, the student shall have a minimum of four weeks after returning to the institution to complete the course requirements. Additional time may be granted if alternative arrangements are made with the faculty member, and provided that the alternative arrangements are consistent with the requirements of and Section 824 of the Military and Veterans Code. (California Education Code § 99130).

ILLNESS

Students who have a communicable disease or any illness or injury which will cause an absence of one week or more may notify the Health Service Office. In these circumstances, the Health Service Office will transmit messages to instructors. Students may call the Health Services Office at (559) 494-3028. The Health Service Office may exclude any student from campus who is infected with any contagious or infectious disease (Title 5, California Code §48211 and 48212). The student will be permitted to return when school authorities are satisfied that any contagious disease does not exist (Education Code §49451).

MAKEUP WORK

Makeup work must be completed to the satisfaction of the instructor of the course. Being excused from class does not relieve the student from the responsibility for completing all assignments. Instructors may have their own makeup policies spelled out in their syllabi. Some instructors do not allow any makeup work.

Grading System

Grades are earned in each course and are recorded on the student's permanent record. Grades represent the evaluation of student achievement of course objectives and learning outcomes. The college uses a five-letter grading system. A, B, C, and P are passing grades, satisfactory or better. D is passing but less than satisfactory grade. F is a failing grade. NP is a less than satisfactory or failing grade; it is not a passing grade. Units of credit are earned for all passing grades (A, B, C, D, and P). Grade symbols are defined and grade points are earned for units of credit as follows:

EVALUATIVE SYMBOLS	MEANING	GRADE POINTS PER UNIT
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
*D	Passing, less than satisfactory	1.0
F	Failing	0.0
P	Pass (A passing grade, satisfactory or better)	0.0
NP	No Pass (Not a passing grade, less than satisfactory or failing)	0.0
Y	Completion of non-credit class	0.0
N	Non Completion of non-credit course	0.0

*The D grade is passing but is not considered satisfactory for meeting many of the college graduation/degree/major requirements or course prerequisite requirements. Also, the D grade may not satisfy transfer requirements to four-year institutions.

In addition to the evaluative symbols listed above, non-evaluative symbols may be assigned to students' permanent records in specified conditions. No units of credit are earned for courses to which these non-evaluative symbols are assigned. The non-evaluative symbols are defined as follows:

NON-EVALUATION SYMBOLS	MEANING	GRADE POINTS PER UNIT
I	Incomplete	0.0
W	Withdrawal	0.0
EW	Withdrawal for Extenuating Circumstances	0.0
MW	Military Withdrawal	0.0
IP	In Progress	0.0
RD	Report Delayed	0.0

I, INCOMPLETE

The I, Incomplete, symbol may be assigned in a course only by approval of the course instructor if all of the following conditions are met:

- The student has completed all but the final examination or other minimal amount of course work required for a final semester grade.
- The student has a serious and verifiable reason for not completing the required course work.
- The student has a passing grade in the course at the time the incomplete, I, grade is assigned.
- The student requires no additional class time for completion of the course.

In assigning an incomplete, I, grade, an instructor will specify, on the appropriate grade report form, a list of conditions necessary for the removal of the incomplete grade, the time period allotted to the student to satisfy these conditions, and the evaluative grade symbol to be assigned if the listed conditions are not satisfied within the allotted time period.

An incomplete, I, grade will not affect the academic status of a student, but it will affect the progress status. An incomplete, I, grade must be replaced by the appropriate evaluative grade symbol no later than one full semester after is has been assigned, though an earlier limit may be specified by the course instructor. Students may not re-enroll in a course for which they have received an incomplete, I, grade during the time that the incomplete, I, grade is in effect.

W, WITHDRAWAL

Withdrawal from a course or courses shall be authorized through the last day of the ninth week of instruction (or 50 percent of the course, which ever is less). The W will not be used in calculating a student's grade point average, but it will be used as a factor in progress probation and dismissal procedures. A student who remains in a course beyond the withdrawal deadline must be assigned an evaluative or non-evaluative symbol other than W.

EW, EXCUSED WITHDRAWALS

An EW symbol is recorded upon approval of Petition to Withdraw Under Extenuating Circumstances.

MW, MILITARY WITHDRAWAL

The military withdrawal symbol is authorized at any time a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. The MW symbol is assigned by the registrar upon verification of such orders. Military withdrawals shall not be counted in progress probation and dismissal procedures.

IP, IN PROGRESS

IP is assigned only in a course which extends beyond the normal end of an academic term. It indicates that course work is in progress and an evaluative grade symbol will be assigned when that work is completed. The IP is assigned to a student's permanent record to satisfy enrollment documentation, and the appropriate evaluative grade symbol will be assigned and appear on the student's permanent record for the term in which the course is completed.

RD, REPORT DELAYED

The RD symbol may be assigned only by the registrar and is used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. RD shall not be used in calculating grade point averages.

P/NP, PASS/NO PASS

Most college courses allow students the option of a final course grade of P, Pass, or NP, No Pass, instead of traditional letter grades (A, B, C, D, or F). Some courses are graded only on a Pass/No Pass basis. In courses graded only on the Pass/No Pass basis or when a student elects this grading option, the grade of P, Pass, will be assigned if the student has passed the course with a grade equivalent of A, B, or C, and credit will be awarded for the unit value of the course. The grade of NP, No Pass, will be assigned if the student earns the grade equivalent of D or F, and no units of credit will be awarded for the course. Neither the P, Pass, grade nor the NP, No Pass grade is included in the calculation of the grade point average.

A maximum of 15 units of credit may be earned on a Pass/No Pass grading basis in degree-applicable or transferable courses. The Pass/No Pass option is not recommended for any course in a student's major. Not all courses graded on a Pass/No Pass basis are accepted for transfer by other institutions. Students planning to transfer to another college or university should be aware of the policy of that institution regarding Pass/No Pass grades.

Students may elect the Pass/No Pass grading option in courses in which it is available by notifying the college Office of Admissions and Records, using the appropriate form, which is available at the Office of Admissions and Records, no later than the end of the fifth week of full-term course or within the first 30 percent of a shorter-term course. Students who have elected the Pass/No Pass grading option may reverse this decision only within these same deadlines.

DEADLINES FOR SELECTING (OR REVERSING) THE PASS/NO PASS GRADING OPTION:

CLASS LENGTH	DEADLINE
For a regular 18-week class	By end of the fifth week
For a 9-week class	By end of the third week
For a 8-week class	By end of the second week
For a 6-week class	By end of the second week
For a 2-week class	By the third day
For a class less than two week	At time of class registration

Grade Point Average (GPA)

A student's grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units attempted. Units for which a grade or other symbol, of CR, NC, P, NP, W, EW, I, IP, MW, RD or X is assigned are not counted as units attempted in the calculation of a grade point average.

Student Grade Review Petition

If a student is of the opinion that a grade received for a particular course is improper, the student may take action as follows:

1. Discuss the grade received with the instructor involved, or
2. Obtain a Student Grade Review Petition from the Admissions and Records Office. Complete the form for processing no later than the last day of the semester (excluding summer sessions) following the semester for which the grade was received. The student will be issued a receipt copy of the form being submitted and will be notified of the action taken.
3. If a student wishes to appeal the decision, the student may submit a written grievance. See Grievance Policy for Students on page 49 and follow the steps listed.

Non-Credit Classes

Non-credit classes are classes in which the student receives neither units nor a grade; however, at the completion of the course the registrar will record on the transcript that such a course was completed.

Students will be governed by the same attendance policies and responsibilities as those students taking credit classes. (A student may not attend a class without enrolling.)

Note: Credit status is required for pursuit of Associate Degrees and Certificates.

Final Examinations

Class examinations on a semester's work are given at the close of each semester. Failure to attend the examination may result in a grade of "F" for the examination. Arrangements for emergencies may be made with approval of the individual instructor.

Earning Course and Unit Credit

In addition to earning credits in residence by attending classes, a student may also earn credits in the following ways:

DUAL ENROLLMENT

Reedley College is working with its feeder high schools and the Valley Regional Occupation Program (VROP) on an early college experience for high school students. The classes Reedley College is developing with their partners and the faculty are called Dual Enrollment courses. Generally, selected high school students who are typically juniors and seniors are given the opportunity to earn college credit while still in high school. Under certain conditions the credits are transferable to CSU's and UC's. Reedley Middle College High School and Sanger Wonderful Ag Prep are examples of early college experiences where high school students are given an opportunity to embark on a college pathway throughout their high school experience. Students could obtain an Associate Degree in the 13th year of their education, in other words, they gain one year and they earn college credit. Reedley College has Dual Enrollment agreements with VROP, Kings Canyon Unified, Sanger Unified, Selma Unified, Dinuba Unified, Kingsburg Joint Unified, Parlier Unified, and Fowler Unified School Districts.

CREDIT FOR PRIOR LEARNING (CPL)

Definition

Credit for prior learning is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom. This CPL definition does not include knowledge and skills already assessed and awarded credit through formal education at regionally accredited in-state and out-of-state institutions.

Credit for Prior Learning Categories

Students may demonstrate proficiency in a course eligible for CPL and receive college credit through the approved alternative methods for awarding credit listed below:

- Advanced Placement (AP) Examination
- International Baccalaureate (IB)
- College Level Examination Program (CLEP)
- Military Transcripts (may include Joint Services Transcript (JST), Sailor/Marine American Council on Education Registry Transcript (SMART), Army and American Council on Education Registry Transcript Service (AARTS), Community College of the Air Force (CCAF), Coast Guard Institute (CGI), DANTES/USAFI, Defense Language Institute Foreign Language Transcripts (DLIFLC), Defense Manpower Data Center (DMDC), DLPT Examinee Results, DA Form 330 Language Proficiency Questionnaire, or verified copies of DD214 or DD295 military records.)
- Examination administered by other agencies
- Industry-recognized credential documentation
- Student-created portfolios
- Credit by examination

CPL Assessment Methods

Qualified discipline faculty shall determine the CPL assessment that is appropriate for the student based on their experiences, and credit should be determined by qualified faculty who conduct the CPL assessment.

Examination: Credit by examination is a process whereby discipline faculty administer a locally-developed exam to determine whether a student can demonstrate sufficient mastery of the learning outcomes of that class. The college may charge a fee.

Assessment: This type of assessment can include a student developing a portfolio or completing a skills demonstration that is evaluated by faculty. This can also include faculty evaluating a Joint Services Transcript, or developing a "cross-walk" in which they assess the competencies a student achieved in a prior learning experience and determine whether they match the student learning outcomes of a designated course. College faculty can consult credit recommendations made by the American Council on Education (ACE) in assessing prior learning experiences. Once a faculty member has assessed a standard/common training, the credit recommendation can be made available for other faculty to consider for other students with identical credentials to prevent duplication of assessment and encourage consistency in credit for identical experiences. Students cannot be charged a fee for these types of assessments (this includes standardized tests, such as Advanced Placement (AP), International Baccalaureate (IB), CLEP, Defense Language Proficiency Test, and others).

Credit for Prior Learning Process

Step 1: In consultation with a counselor, student determines that s/he is eligible for CPL through an intake process
Step 2: Student is referred to discipline faculty
Step 3: Discipline faculty conduct appropriate assessment

Eligibility for CPL

- Current students must have an education plan on file
- The course for which the student is seeking credit is listed in the current college catalog
- The student is not currently enrolled in the course to be challenged past census date
- Credit by Examination:
  - o The student is registered in the district and not currently enrolled in nor received credit for a more advanced course in the same subject (may be waived by department)
  - o The student must be in good academic standing in the District
  - o The course can only be challenged once unless the College Vice President of Instruction determines that there are extenuating circumstances that justify a subsequent retake

Credits acquired by prior learning are not applicable to meeting such unit load requirements as Selective Service deferment, Veterans, or Social Security benefits. Credit acquired by prior learning shall not be counted in determining the 12 semester hours of credit in residence required for an associate degree.

Transcript

The student's academic record shall be clearly annotated to reflect that credit was earned by an assessment for prior learning in lieu of a specific course.

ADVANCED PLACEMENT EXAMS (AP)

		REEDLEY COLLEGE MAJOR	REEDLEY COLLEGE GE	CSU GE	CSU GE	IGETC AREA	UC UNITS
AP EXAMINATION/ SUBJECT AREA	MINIMUM SCORE	EQUIVALENT COURSE	GE AREA (UNITS)	GE AREA (UNITS)	GE + ELECTIVE	GE AREA (UNITS	GE + ELECTIVE
ART: ART HISTORY	3	ART 5 or ART 6	C: Humanities (3)	C1 or C2 (3)	6	3A or 3B (3)	5.3
BIOLOGY	3	BIOL 10 & 10L	A: Natural Sciences (4)	B2 & B3 (4)	6	5B & 5C (4)	5.3
CALCULUS AB	3	MATH 5A	Math Competency & D2: Language & Rationality (5	B4 (3)	3	2A (3)	2.7
CALCULUS BC	3	MATH 5A & 5B	Math Competency & D2: Language & Rationality (4)	B4 (3)	6	2A (3)	5.3
CALCULUS BC/AB Subscore	3	MATH 5A	Math Competency & D2: Language & Rationality (5)	B4 (3)	3	2A (3)	2.7
CHEMISTRY	3	CHEM 3A	A: Natural Sciences (4)	B1 & B3 (4)	6	5A & 5C (4)	5.3
CHINESE LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
COMPARATIVE GOVERNMENT and POLITICS	3	N/A	B2: Social & Behavioral Sciences (3)	D (3)	3	4 (3)	2.7
COMPUTER SCIENCE A	3	N/A	Elective (3)	N/A (Only one CS exam may be applied)	3	N/A	5.3 1.3 max credit for exam taken prior to Fall 2018
COMPUTER SCIENCE PRINCIPLES	3	N/A	Elective (3)	B4 (3)	6	N/A	5.3
ECONOMICS: MACROECONOMICS	3	ECON 1A	B2: Social & Behavioral Sciences (3)	D(3)	3	4 (3)	2.7
ECONOMICS: MICROECONOMICS	3	ECON 1B	B2: Social & Behavioral Sciences (3)	D(3)	3	4 (3)	2.7
ENGLISH LANGUAGE/ COMPOSITION	3	ENGL 1A	Writing/Reading Competency & D1: Language & Rationality (4)	A2 (3)	6	1A (3)	5.3
ENGLISH LITERATURE/ COMPOSITION	3	ENGL 1A or 1B	D1: Language and Rationality or C: Humanities (3)	A2 & C2 (6)	6	1A or 3B (3)	5.3
ENVIRONMENTAL SCIENCE	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	4	5A & 5C (3)	2.7
FRENCH LANGUAGE and CULTURE	3/4/5	FRENCH 2/ FRENCH 3/ FRENCH 3 & 4	C: Humanities (5/5/10)	C2 (3)	6	3B & 6 (3)	5.3
GERMAN LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
HISTORY, EUROPEAN	3	HIST 1 & 2	B2: Social & Behavioral Sciences or C: Humanities (3)	C2 or D(3)	6	3B or 4 (3)	5.3

		REEDLEY COLLEGE MAJOR	REEDLEY COLLEGE GE	CSU GE	CSU GE	IGETC AREA	UC UNITS
AP EXAMINATION/ SUBJECT AREA	MINIMUM SCORE	EQUIVALENT COURSE	GE AREA (UNITS)	GE AREA (UNITS)	GE + ELECTIVE	GE AREA (UNITS	GE + ELECTIVE
HISTORY, U.S.	3	HIST 11 & 12	B2: Social & Behavioral Sciences (3)	C2 or D & U.S.-1 (3)	6	3B or 4 & US-1 (3/5.3)	5.3
HISTORY, WORLD	3	HIST 20	B2: Social & Behavioral Sciences (3)	C2 or D (3)	6	3B or 4 (3)	5.3
HISTORY, WORLD-MODERN	3		B2: Social & Behavioral Sciences (3)	C2 or D (3)	3	3B or 4 (3)	5.3
HUMAN GEOGRAPHY	3	N/A	B2: Social & Behavioral Sciences (3)	D (3)	3	4 (3)	2.7
ITALIAN LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
JAPANESE LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
LATIN	3	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
MUSIC THEORY	3	MUS 1A & 1B	Elective (3)	N/A	6	N/A	5.3
PHYSICS 1	3	PHYS 2A	A: Natural Sciences (4)	B1 & B3 (4)	4	5A & 5C (4)	5.3
PHYSICS 2	3	PHYS 2B (Score of 4-5)	A: Natural Sciences (4)	B1 & B3 (4)	4	5A & 5C (4)	5.3
PHYSICS C, MECHANICS	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	4	5A & 5C (3)	2.7
PHYSICS C, ELECTRICITY/ MAGNETISM	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	4	5A & 5C (3)	2.7
PSYCHOLOGY	3	PSY 2	E2: Lifetime Skills (3)	D (3)	3	4 (3)	2.7
SPANISH LANGUAGE and CULTURE	3/4/5	SPAN 2/SPAN 3/SPAN 3 & 4	C: Humanities (5)	C2 (3)	6	3B & 6 (3)	
SPANISH LITERATURE and CULTURE	3/4/5	N/A	C: Humanities (3)	C2 (3)	6	3B & 6 (3)	5.3
STATISTICS	3	MATH 11 or STAT 7	Math Competency	B4 (3)	3	2A (3)	2.7
STUDIO ART – 2D DESIGN	3	N/A	Elective (3)	N/A	3	N/A	5.3
STUDIO ART – 3D DESIGN	3	N/A	Elective (3)	N/A	3	N/A	5.3
STUDIO ART – DRAWING	3	ART 7	C: Humanities (3)	N/A	3	N/A	5.3
U.S. GOVERNMENT & POLITICS	3	N/A	B2: Social & Behavioral Sciences (3)	D & US-2 (3)	3	4 & US-2 (3)	2.7
*Other Advanced Placement (AP) exams not listed on this chart may be applied toward CSUGE and IGETC certification. Some AP exams allow for additional elective credit that may be applied toward transfer. Satisfaction of specific major requirements is granted by the CSU and UC campus. Consult with a counselor for complete information on AP credit.							

ADVANCED PLACEMENT PROGRAM CREDIT (AP)

Courses offered through the College Entrance Examination Board are recognized and individual colleges of this district are authorized to award appropriate placement and/or credit for these courses in accordance with established college standards. Students must request AP scores to be sent to Admissions and Records from the College Board.

A residency of 12 units of satisfactory work ("C" average) must be completed at Reedley College prior to allowance of credit under this program. Currently, AP credit is granted for grades "3," "4," or "5."

Reedley College shall award general education credit to any student who passes a College Board AP examination with a minimum score of three in the subjects listed on the following chart. The college will award elective credit for AP examinations in subjects that are not included in the general education patterns designated on the following chart.

The college will also award associate degree general education credit for passing grades on CLEP external exams. Students should consult with a counselor for information on CLEP general education credit if they plan to transfer to a CSU or UC.

This policy does not apply to course-to-course credit for AP/CLEP exams. Course-to-course equivalency is determined by the faculties at Reedley College. Please meet with a counselor at Reedley College to discuss the course-to-course equivalency process. The AP/CLEP credit will count according to how the SCCCD campus you are graduating from articulates the AP/CLEP exam.

Note: AP credit in American Government does meet the U.S. Constitution requirement for teaching credential candidates (Ed. Code Sec. 13132). However, it does NOT satisfy Reedley College's GE Area F requirement or the CSU's state and local government requirement. It does satisfy CSU's national government requirement.

COOPERATIVE WORK EXPERIENCE

Work experience and field work credit may be earned in some designated courses.

CREDIT BY EXAMINATION

To be eligible for course credit by examination, a student must be enrolled at the college and be in good standing during the semester in which they apply for credit by examination. Credit by examination will not be allowed if the student has previously received a grade or a W for the course, or if the student has already successfully completed, or is currently enrolled in, a course for which the course to be taken by exam is a prerequisite. Credit by examination is not allowed during the summer session. The college reserves the right to deny credit by examination to any student.

The faculty of each department determine which department courses may or may not be challenged for credit by examination. See the appropriate department chair or dean of instruction to learn which courses may be taken for credit by examination and to ascertain the proper procedure for credit by examination.

A student planning to transfer to another college or university should be aware of the policy of that institution regarding transferability of courses. Application for credit by examination approved by a full time instructor, the department chair, and the appropriate dean of instruction must be filed with the Admissions and Records Office no later than the end of the sixth week of the semester.

An appropriate fee, see page 19 for fees, for the expense of this special service is charged for each course challenged and is payable by the end of the ninth week of the semester. Students must make arrangements with the instructor to take the examination prior to the fifteenth week of the semester.

The letter grade (A-F) earned on the examination will be awarded at the time grades are submitted to Admissions and Records by the instructor giving the examination and will be entered on the student's transcript in a manner which clearly indicates that the course grade and credit were earned by examination. A student who fails the examination may not attempt the course again by examination.

CREDIT FOR MILITARY SERVICE

Reedley College will grant course credit to an actively enrolled veteran student who has completed at least one year of active duty and has submitted military documents DD-214 (Separation Document), transcripts and/or other official forms to the Veterans Counselor. The documentation must delineate completion of basic military training or credit earned in a military school according to the recommendations in the guide published by the American Council on Education.

Reedley College will award 2 units of physical education and 3 units of credit for the Reedley College Associate Degree Lifetime Skills Area. Students planning to transfer to a California State University will earn 3 units toward the CSU General Education Area E (Lifelong Learning and Self-Development). Additional credit may be awarded as non-transferable elective credit after evaluation of all transcripts.

Active duty reservists who have completed basic training, but served less than one year of active duty, are allowed a total of five (5) semester units of elective credit which includes 2 semester units of physical conditioning which can be used to fulfill the Physical Education graduation requirements and 3 units for Health Science 2 (First Aid and Safety).

INDIVIDUAL STUDY

Individual Study 49 is a course that allows students to work individually with an instructor on a creative research project culminating with a topic paper, construction project, composition, etc. It allows exploration in greater depth than can be experienced in a regular course or may delve into subject matter not normally covered in a regular course.

A contract between the student and instructor must be developed, signed by the instructor, and approved by the appropriate dean of instruction and curriculum committee the semester prior to the semester that the individual study will be undertaken.

Students must register for Individual Study 49 no later than the third Thursday of the semester.

TRAVEL-STUDY CREDIT

Credit granted by accredited colleges and universities for travel-study programs sponsored by these institutions will be accepted by Reedley College. For college-level travel-study programs credit up to 12 semester units (at the maximum rate of one unit per week) may be granted upon the evaluation of official transcripts sent to Reedley College by the institution through which the units are earned.

Withdrawal/Dropping

DROPPING (WITHDRAWAL FROM) A CLASS

In registering for a class, a student assumes the responsibility of meeting class standards of attendance and progress. This obligation remains until such time as the course is officially dropped. Errors in registration should be rectified during the first week of instruction.

It is the student's responsibility to drop a class in which she/he no longer wishes to be enrolled. A student may drop a class by obtaining, completing and filing an add/drop card from/with the Admissions and Records Office. The student may also drop a class via the web registration per instructions outlined in the college schedule of classes or the student may request to be dropped from class(es) by mailing a signed letter of request to the college. Students are encouraged to discuss program drops with the course instructor or an academic counselor before filing the drop. A student may drop a full-length (18-week) class through the last day of the ninth week of instruction (or 50 percent of a term*, whichever is less). A grade of "W" will not be recorded on the student's transcript for drops occurring during the first three weeks of instruction (or 20 percent of a term*, whichever is less). A grade of "W" will be recorded on the student's transcript for drops occurring between the fourth and ninth week of instruction (or 50 percent of a term*, whichever is less). The "W" will not be used in calculating grade point averages, but excessive "Ws" will be used as factors in progress probation and dismissal procedures.

**See "Fees" for policy on refund.*

WITHDRAWAL FROM COLLEGE

A student may withdraw from all of their classes, thereby withdrawing from the college, through the last day of the ninth week of instruction (or 50 percent of a term*, whichever is less) online or in person with the Admissions and Records office. The student may also mail or fax a signed letter of request postmarked by the 50% point to completely withdraw from their classes to the Admissions and Records Office (please include student identification or social security number). Students are encouraged to discuss complete class withdrawals with an academic counselor before filing the withdrawal. Upon return of the approved withdrawal form, the student will be withdrawn from all of their classes and a grade of "W" will be recorded for each class in which the student was enrolled. The "Ws" will not be used in calculating grade point averages, but excessive "Ws" will be used as factors in progress probation and dismissal procedures.

**Term in this context means the duration of a class, which may differ from the length of the normal semester.*

DROPPING/WITHDRAWAL DUE TO EXTENUATING CIRCUMSTANCES

Withdrawal from a class or classes will be authorized through the last day of the ninth week of instruction (or 50 percent of a term*, whichever is less). Exceptions to the 50 percent drop deadline may apply due to extenuating circumstances. Extenuating circumstances are verified cases of accidents, illnesses, death in the immediate family, jury duty, declaration of war, natural calamity, military conscription, family or job displacement, instructor error, or other circumstances beyond the control of the student which are justifiable in the judgment of the college president or their designee. (California Code of Regulations, Title 5, Section 55024).

Petitions for withdrawals due to extenuating circumstances are initiated by Counselors or Admissions and Records Staff.

- The extenuating circumstances must be fully documented and verified when appropriate.
- The petition for withdrawal may be submitted during the current term, but no later than the end of the semester immediately following (summer excluded).
- The student must petition to withdraw from all classes they are enrolled in (consult with Admissions & Records for certain exceptions that may apply).
- The student's instructor(s) will be consulted concerning the request for withdrawal.
- Approved class withdrawals due to extenuating circumstances shall be recorded as a "EW." The "EWs" will not be used in calculating grade point averages, as a factor in progress probation and dismissal procedures, or as an attempt in relation to the repeat policy.
- Once final grades have been posted, the instructor of record must be consulted for an appropriate grade review.
- Exceptions may be considered on a case-by-case basis upon appeal to the college's Academic Standards Committee.

Reports to Students

EARLY ALERT REPORT

For semester length courses an early alert report may be issued from the 1st to 18th week of the semester, but preferably during the 3rd and 4th week for students who are not making satisfactory progress (D or F grades and poor attendance). Students who are not making satisfactory progress may be notified by the counseling department for early intervention counseling and support services such as tutorial services, academic success workshops and courses, psychological services, and learning strategies. Students are encouraged to participate in these special programs designed to assist students to overcome problems that interfere with their academic success.

STUDENT ATHLETE RETENTION PROGRAM

During the 12th week of a semester length course, progress reports will be issued to student athletes only.

FINAL GRADE REPORTS

Grades are available on Self-Service (www.reedleycollege.edu). Grades of students who fail to return school equipment or who have any unpaid accounts will be withheld until the record is cleared.

CERTIFICATIONS OF ENROLLMENT

Certifications of enrollment shall be requested in writing at the Admissions and Records Office. A minimum of three working days for the preparation of certifications is required. Certifications will not be provided if the student has a "hold" on the permanent file.

The following definitions are used by Reedley College when certifying the enrollment of our students to outside agencies such as the Veterans Administration, lending institutions, the Social Security Administration, insurance companies, and the California Student Aid Commission:

ENROLLMENT STATUS	UNITS
Full-time	12 units or more
Three quarter-time	9 to 11.5 units
Half-time	6 to 8.5 units
Limited	fewer than 6 units

Satisfactory Scholarship

Students must achieve at least a "C" average each semester and maintain a 2.0 cumulative grade point average. This means that a student must have at least twice as many grade points as units attempted. See Placement on Academic Probation.

Course Repetition

An open-door college should provide ample opportunity for students to succeed. Since the community college admits students with a diverse range of abilities, aspirations and interests, the college must provide sufficient flexibility in its policies to enable a student to overcome a poor academic record. While the college must have a balance between policy flexibility and the maintenance of academic regulations so as to ensure grade standards throughout the curricula, this flexibility cannot be allowed to abrogate the individual student's educational responsibility.

ALLEVIATION OF SUBSTANDARD GRADES

Substandard work, i.e., grades of D, F or NP, not reflective of a student's present level of scholastic performance, may be alleviated and disregarded in the computation of grade point averages. It is expected that students will alleviate substandard work by repeating, i.e., retaking, the course(s) in which grades of D, F or NP are earned. Course work that is still appropriate for the student's present educational objectives may be alleviated only by repetition. Course work inappropriate or unavailable for repetition may be alleviated without repetition by the student making formal application to the Academic Standards Committee through the Office of Admissions and Records. When academic work is alleviated, whether by repetition or without repetition, the permanent records shall be appropriately annotated in a manner to ensure that all entries are legible and that a true and complete record is maintained.

In this case, a student will be eligible for consideration for alleviation of substandard work without repetition when the student has met each of the following conditions:

1. A period of at least two years has elapsed since the work to be alleviated was recorded.
2. A student is pursuing an established program.
3. A student has completed twelve or more semester units with at least a 3.00 GPA or 24 or more semester units with at least a 2.50 GPA or completed a total program with at least a 2.00 GPA. In determining eligibility for this provision, the college will consider the most recently completed semester first and then look to the total GPA of previous semesters in descending chronological order.
4. The amount of work to be alleviated shall not exceed the amount of work the student has successfully completed since the substandard work was recorded.

ALLEVIATION BY REPETITION OF A COURSE FOR A BETTER GRADE

For the benefit of a better grade, students may repeat a college course in which they have received grades of D, F or NC/NP by reenrolling in the course for a second attempt. Students needing to repeat a course for a third attempt must complete a petition and meet with an academic counselor to obtain approval. Students who wish to attempt a course more than three times in order to earn a grade better than D, F, or NC/NP may do so only by petition to the college Academic Standards Committee through the Office of Admissions and Records. The grades in courses that have been repeated are then recorded within brackets on the students' permanent records so that the substandard grades remain legible on the permanent records although they are not used in the computation of the cumulative grade point average. A statement is included on the permanent records explaining that bracketed course grades and unit values are not included in the computation of the cumulative grade point average. Students should be aware that other colleges or universities may not treat repeated courses in the same manner. Actions taken by the Academic Standards Committee of this college do not supersede the repetition policies of other educational institutions.

A student who has completed a course with a substandard grade at another accredited college or university may repeat the equivalent course in the State Center Community College District. The District will honor courses repeated successfully ("C" or better) at another accredited college or university.

Repetition of courses designated as repeatable

If a student repeats a repeatable course in which a substandard grade has been recorded, the District will exclude no more than two previous substandard grades.

Petition to repeat a course for improvement of an unsatisfactory grade

A student may submit a petition to the Academic Standards Committee for an additional repetition. No state funding (FTES) may be claimed for this additional repetition. Only the first two substandard grades may be disregarded in the computation of the grade point average (i.e., the grade earned in the fourth or more attempt will be averaged with the third grade in computing the cumulative grade point average).

Repetition of courses with a Non-Evaluative Symbol

Students may repeat a course for which they have a mark of "W" recorded for a total of three attempts. A "W" mark is recorded for a withdrawal from a course after the census point or 30% of the semester (whichever is less) and before the end of the ninth week or 50% of the semester.

Exceptions:

In extenuating circumstances, a student may submit a petition to the Academic Standards Committee for an additional repetition. No state funding (FTES) may be claimed for this additional repeat.

Repetition of Courses with a Non-Substandard Grade

A course in which a grade of "C" or better (including "P" or "CR") was earned may be repeated when circumstances exist which justify such a repetition. Students must petition the Academic Standards Committee for approval. If the petition is approved and a student completes the course, the course and grade will be listed on the academic record, but will be coded with a symbol indicating the course is excluded in the computation of the grade point average. Reasons for such repetition include but are not limited to:

- significant lapse in time (as determined by the college)
- change in technology;
- re-certification / training requirements, or other justifiable reasons.

Repeatable Courses

Students may repeat only those courses identified as repeatable in the college catalog.

Legally Mandated Training

Course repetition is allowed when the repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated for credit, and the grades and units received each time shall be included for purposes of calculating the student's grade point average. A student must present documentation that course repetition is necessary to complete legally mandated training. The District may claim apportionment each time the student repeats the course.

Special Course Repetition for Students with Disabilities

Special course repetition for students with disabilities is subject to the course repetition limitation; however, additional repetitions may be authorized under the following circumstances:

- Continuing success of the student in other general and/or special classes is dependent on additional repetitions of a specific classes,
- When additional repetitions of a specific special class are essential in completing a student's preparation for enrollment into other regular or special classes, or
- When the student has a student educational contract which involves a goal other than completion of the special class in question and repetition of the course will further achievement of that goal.

Alleviation of Substandard Grades without Repetition

Substandard work, i.e., grades of D or F not reflective of the student's present scholastic level of performance, may be alleviated without repetition only if the courses in which the substandard grades were earned are no longer appropriate for the student's present educational objectives or if the courses in which the substandard grades were earned or their equivalents are no longer available for repetition. Course work inappropriate for repetition may be considered for alleviation by the student making formal application to the college Academic Standards Committee through the Admissions and Records Office. In this case, a student will be eligible for consideration for alleviation of substandard work without repetition when the student has met each of the following conditions:

1. A period of at least two years has elapsed since the work to be alleviated was recorded.
2. A student is pursuing an established program.
3. A student has completed twelve or more semester units with at least a 3.00 GPA or 24 or more semester units with at least a 2.50 GPA or completed a total program with at least a 2.00 GPA. In determining eligibility for this provision, the college will consider the most recently completed semester first and then look to the total GPA of previous semesters in descending chronological order.
4. The amount of work to be alleviated shall not exceed the amount of work the student has successfully completed since the substandard work was recorded.

Repetition of Courses Successfully Completed

The college catalog designates certain courses as repeatable for a specific number of times; otherwise courses in which a student has received satisfactory grades, i.e., A, B, C or CR/P, may not be repeated unless the student petitions the Academic Standards Committee through the Office of Admissions and Records for permission to repeat the course. The Academic Standards Committee may grant permission for the student to repeat the course if one or more of the following conditions apply:

1. There has been a significant lapse of time since the course was last taken.
2. The previous grade was due, at least in part, to the result of extenuating circumstances beyond the student's control.
3. Course repetition is required as a special academic accommodation for a qualified Disabled Students Programs and Services student.

In the case of repetition of courses successfully completed, the grade earned when the course is repeated will not be counted in a student's units or grade point average.

Repetition of courses successfully completed is permitted without petition in instances when such repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated any number of times, regardless of whether or not substandard work was previously recorded, and the grade received each time shall be included in the calculation of the student's grade point average. Students wishing to repeat courses under this condition must present written documentation or certification to the Admissions and Records Office to verify that such course repetition is necessary to complete legally mandated training requirements.

Probation and Dismissal

State law requires students to maintain satisfactory progress while enrolled at a community college. Students who do not make satisfactory progress by completing courses and/or achieving satisfactory grades will be affected in the following ways:

PLACEMENT ON PROGRESS PROBATION

A student who has attempted and accumulated a total of 12 or more semester units shall be placed on progress probation when the number of units for which entries of "W," "I," "NP" and "NC" are recorded reaches or exceeds fifty percent (50%).

REMOVAL FROM PROGRESS PROBATION

A student on progress probation because of an excess number of units for which entries of "W," "I," "NP" and "NC" are recorded shall be removed from progress probation when the percentage of units in this category drops below fifty percent (50%).

PLACEMENT ON ACADEMIC PROBATION

A student shall be placed on academic probation when: 1. The cumulative grade point average for a student who has attempted an accumulated total of 12 or more semester units falls below 2.0 in all units which were graded on the basis of letter grades.

REMOVAL FROM ACADEMIC PROBATION

A student shall be removed from academic probation when the student's cumulative grade point average becomes 2.0 ("C") or better.

COUNSELING FOR PROBATIONARY STUDENTS

Each student on probation will be provided with the appropriate support service to help the student succeed. Depending on the level of probation, the student may be required to meet with a counselor and discuss and appropriate unit load prior to registration.

ACADEMIC/PROGRESS DISMISSAL

For purposes of this section, semesters shall be considered consecutive on the basis of the student's enrollment exclusive of summer session. A student who has attempted at least 12 semester units shall be dismissed for one semester, exclusive of summer session, if during each of three consecutive semesters the student's performance falls under either one or any combination of the following two conditions:

1. The student's cumulative grade point average was 2.0 or less.
2. The percentage of units in which the student was enrolled for which entries of "W," "I," "NP" and "NC" were recorded reached or exceeded fifty percent (50%).

CIRCUMSTANCES FOR APPEAL OR EXCEPTION OF ACADEMIC/ PROGRESS DISMISSAL

Students who are on academic or progress dismissal for personal reasons beyond the control of the student shall, upon successful appeal, be exempted from the conditions of time imposed above. Students on probation, either academic or progress may not be dismissed after their third semester of below satisfactory work if during that third semester and every subsequent semester they maintain a 2.0 GPA and complete more than 50% of their units until their cumulative GPA and completed units are above the probationary level.

READMISSION FOLLOWING ACADEMIC/PROGRESS DISMISSAL

A student who has been dismissed because of the district's academic/progress dismissal policy must petition to be readmitted. Following the student's first dismissal, they will not be admitted to a district college until one semester has elapsed. If the student fails to maintain a grade point average of at least 2.0, or fails to complete more than fifty percent (50%) of the units in which the student enrolled during the first semester of attendance following their initial dismissal, the student shall be dismissed for a period of one year (second dismissal). If the student fails to meet with these academic and progress standards during the next semester in which they enroll, the student will be dismissed again. A third dismissal requires the student to sit out of the district for four semesters. Students are encouraged to improve their record by attending summer session. Petitions for readmission are available in the Counseling Department.

Unit limitations and course selection will be set for readmitted students by the counseling faculty.

Honors and Awards

PETE P. PETERS HONORS PROGRAM

The Honors Program is designed to challenge students with a customized curriculum and reward their efforts through priority registration, scholarship, special honors classes, seminars, honors research symposiums, and field trips. Students who have demonstrated exceptional academic achievement in high school and plan to continue their pursuit in college and then at a four-year university are admitted to Reedley College under the designation "Honors at Entrance," and those who successfully complete the program graduate with honors. Highly successful returning students seeking additional opportunities are also encouraged to apply. Student take a sequence of classes and activities prepare them for transfer to the best four-year institutions. Applications are available on the website at www.reedleycollege.edu/honors. The early admission application deadline is February 1, and late applications are considered under certain circumstances. For more information, call (559) 494-3000 ext. 3150.
Advisor(s): Garabedian

DEAN'S LIST

Placement on the Dean's List requires a 3.5 semester GPA in 12 or more units. Students are individually notified by the Vice President of Student Services. The Dean's List is posted in the Student Services Building and local newspapers are notified.

HONORS AT GRADUATION

Summa Cum Laude

This academic achievement is awarded to students who have earned a 4.0 cumulative grade point average.

Magna Cum Laude

This academic achievement is awarded to students who have earned a 3.50 through 3.99 cumulative grade point average.

Cum Laude

This academic achievement is awarded to students who have earned a 3.00 to 3.49 cumulative grade point average.

The designation of honors in the commencement program is based on the grades earned during all semesters preceding a student's graduation.

ALPHA GAMMA SIGMA, AN HONOR SOCIETY

Outstanding scholars are eligible for membership in the Alpha Omega Chapter of Alpha Gamma Sigma, the honor society for California Community Colleges.

Students who earn at least a B average (3.0) for 12 units of college work (with no D or F grade) are eligible to join Alpha Gamma Sigma. Active membership in the Alpha Omega Chapter requires an application for membership, payment of dues, possession of a student body card, and earning of service points through participation in chapter activities and service to the college or community. Life members of the California Scholarship Federation may apply for associate membership during their first semester at the college.

AGS members meet to hear speakers, plan activities, make friends, raise funds for scholarships and conference attendance, take part in college activities, enjoy excursions, and serve the college. Permanent membership and recognition is granted at graduation to members active for at least two semesters who have earned a 3.25 cumulative grade point average or to members active for one semester who have earned a 3.5 or higher cumulative grade point average.

Certificate & Degree Requirements

Catalog Rights

For the purpose of this section, continuous enrollment is defined as enrollment in at least one primary semester (fall or spring). Any of the following academic records constitutes as enrollment during a semester: A, B, C, D, F, P, NP, CR, NC, Y, N, I, IP, RD, W, EW, and MW.

A student may elect to meet the requirements for an academic program from one of the following:

1. The catalog in effect at the time the student first applied or reapplied and began continuous enrollment;
2. In the event of a major/program change, the student may assume new catalog rights under the following conditions:
   - The change of major/program must be approved by counselor, and
   - The major selected must be within a catalog during the student's continuous enrollment;
3. The catalog in effect at the time of the student's program completion.

Course Classification

Pursuant to revisions to the California Administrative Code, Title 5, Section 55002 and 55062, all courses listed within the college catalog fall into one of the following classifications:

- Credit, Degree Applicable
- Credit, Nondegree Applicable
- Noncredit

Certificates

Certificates for a course or a series of courses fewer than 16 units may be offered by disciplines/departments/divisions. A certificate may be awarded to students who successfully complete a specified curriculum with a minimum "C" grade in each required course.

Certificate of Achievement

A certificate of achievement shall be awarded to students who successfully complete a specified curriculum with a minimum "C" grade in each required course. The specific courses required for the certificate of achievement are identified in each degree program where such certificates are awarded.

In order to receive the certificate of achievement, the student shall apply for the certificate with Admissions and Records upon completion of the requirements.

Graduation Requirements

ASSOCIATE DEGREES

The awarding of an Associate Degree represents more than an accumulation of units. It symbolizes a pattern of learning experiences designed to develop specific capabilities and insights. Among these are an understanding of the major disciplines, required proficiencies in math, reading, and English, and sufficient depth in some field of knowledge.

It is the responsibility of the student to consult a counselor regarding the proper sequence in which courses should be taken to satisfy graduation requirements.

Students earning an Associate Degree usually have one of two purposes. Either the program of study prepares the student for transfer to a four-year college or university, or the program of study is intended to prepare the student for immediate employment.

Most majors lead to an Associate in Arts degree. Minimum requirements for the Associate in Science degree are the same as for the Associate in Arts degree with the exception of the major requirements. The Associate in Science degree will be awarded for the completion of a required pattern of courses in any occupational curriculum or in the biological sciences, the physical sciences, or engineering.

The Board of Trustees of this District shall award the Associate in Arts Degree, the Associate in Science Degree, Associate in Arts or Science Degree for Transfer, and the Certificate of Achievement to applicants upon the satisfactory completion of the requirements as listed in this catalog section. It is the student's responsibility to be aware of degree and certificate requirements and of the student's standing in regard to those requirements. Students are urged to consult a counselor regarding any questions about degree or certificate requirements for the catalog year the student selects. All references to credit units which appear in this section are to semester units.

Exceptions to any of the regulations which follow, except those required by Title 5, shall be judged by each college under the "Rule of Equity" which requires that any waiver of standards be determined on the merit of the individual case.

The college reserves the right to determine what courses may be considered as equivalents for the stated degree, certificate, and general education requirements listed in this catalog. Please see the appropriate dean or Vice President of Instruction for pertinent information.

General Education for the AA/AS Degree

General Education course work is intended to complement a concentrated study in a single discipline or "major." It should provide a broad base of educational experience about aspects of the world which a major area of study may not include. The student who completes the general education requirements at Reedley College will have made noteworthy progress towards becoming truly educated and prepared for a lifetime of learning.

Following are the major areas of General Education, per Title 5, Section 55063(b).

NATURAL SCIENCES

Courses in the natural sciences are those which examine the physical universe, its life forms and its natural phenomena. To satisfy the general education requirement in natural sciences, a course should help the student develop an appreciation and understanding of the scientific method through direct experience and encourage an understanding of the relationships between science and other human activities. This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physics and other scientific disciplines.

SOCIAL AND BEHAVIORAL SCIENCES

Courses in the social and behavioral sciences are those which focus on people as members of society. To satisfy the general education requirement in social and behavioral sciences, a course should help the student develop an awareness of the method of inquiry used by the social and behavioral sciences. It should stimulate critical thinking about the ways people act and have acted in response to their societies and how their actions in turn change their society. It should also promote appreciation of how societies and social subgroups operate. This category would include introductory or integrative survey courses in anthropology, economics, history, political science, psychology, sociology and related disciplines.

HUMANITIES

Courses in the humanities examine the philosophical, literary, aesthetic, and cultural expressions of humans. These courses develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them through artistic and cultural creation. They develop aesthetic understanding and, through study of traditional and changing cultural perspectives, foster better informed value judgments. These courses also offer students the opportunity to explore their creativity and imagination and to move consciously towards an awareness of their capability for artistic self-expression. This category will include art history, literature and film, philosophy and morality, comparative religion, the fine and performing arts and language. When we ask who we are, and what our lives ought to mean, we are using the humanities.

LANGUAGE AND RATIONALITY

Courses in language and rationality are those which develop for the student principles and applications of language that lead to logical thought, clear and precise expression, and critical evaluation of communication in any endeavor.

1. English Composition: Courses fulfilling this requirement include both expository and argumentative writing.
2. Communication and Analytical Thinking: Courses fulfilling these requirements include oral communication, mathematics, logic, statistics, computer language and programming, and related disciplines.

MULTIPLE DEGREES

Effective with the fall 2017 semester, a student may earn more than one AA and/or AS degree from Reedley College. The same AA and/or AS degree cannot be awarded from more than one college in the district. Please see a counselor for more information.

A student may simultaneously pursue more than one associate degree.

REQUIREMENTS FOR AA AND AS DEGREES (see page 68 for Associate Degrees for Transfer)

1. Sixty (60) units with at least 2.0 ("C") grade point average in all courses applicable to the associate degree.
2. Residence requirement:
   A minimum of twelve (12) degree-applicable units satisfactorily completed in residence at Reedley College.
3. At least eighteen (18) units in a single discipline or related disciplines (major) or in an approved area of emphasis. Each course applied to this major requirement must be completed with a grade of "C" or better or a "P."
4. Competence in reading and writing, demonstrated by completion of English 1A or English 1AH with a grade of 2.0 ("C") or better.

5. Only one reading or writing course at one level below English 1A may be applied to degree requirements.
6. Competence in mathematics, demonstrated by completion with a grade of 2.0 ("C") or better in one of the following courses: Mathematics 3A, 4A, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 21, 45, 103; Business Administration 39, Plant Science 9, Psychology 42, or Statistics 7.
   Satisfactory completion of a mathematics course at the level of Intermediate Algebra shall satisfy both this competency requirement and the coursework requirement set forth in subdivision (b)(1(D)(ii) of this section.
7. Students must complete at least 18 units of general education coursework. Students may choose to follow one of the three general education patterns:
   Option 1 – Reedley College General Education - for students not intending to transfer to a four-year institution. Cannot be used for an Associate Degree for Transfer.
   Option 2 – CSU GE – California State University General Education - for students intending to transfer to the CSU or other four-year institution, with the exception of University of California.
   Option 3 – IGETC – Intersegmental General Education Transfer Curriculum – for students intending to transfer to a UC, CSU or other four-year institution.

   See a counselor for advisement on appropriate GE pattern.

GENERAL EDUCATION FOR THE ASSOCIATE DEGREE:

A minimum of 18 semester units in general education is required for graduation from Reedley College.
Select at least one (1) course and not fewer than three (3) semester units in each of the areas (A), (B), and (C), three (3) semester units (D.1), three (3) semester units in area (D.2), four to five (4-5) semester units in Lifetime Wellness with two (2) courses in area (E.1) one course in area (E.2), three (3) semester units in AREA F, and three (3) semesters in AREA G.

AREA A - NATURAL SCIENCES (3 UNITS)

Animal Science 1, 5
Astronomy 10
Biology 2, 5, 10, 10H, 10L, 11A, 11B, 13, 13L, 20, 22, 31
Chemistry 1A, 1B, 3A, 3B, 8, 9, 10
Foods and Nutrition 40
Geography 5, 9
Geology 1, 2, 9, 10
Natural Resources 4, 7
Physics 2A, 2B, 4A, 4B, 4C
Plant Science 1, 2, 4A, 5, 6, 7, 10, 18
Science 1A

AREA B - SOCIAL AND BEHAVIORAL SCIENCES (3 UNITS)

African-American Studies 1, 34
Agriculture Business 2
American Indian Studies 31, 32
Anthropology 1, 2, 3
Asian -American Studies 15
Business Administration 30, 33
Chicano-Latino Studies 11
Communication 2, 10, 18
Criminology 5
Early Childhood Education 2, 14
Economics 1A, 1B
Ethnic Studies 1, 5, 32
Geography 6;
History 1, 2, 5, 11, 12, 12H, 20, 22, 32;
Journalism 1;
Political Science 3, 5, 24
Psychology 2, 2H, 5, 16, 25, 38, 45
Sociology 1A, 1B, 2, 11, 32

AREA C - HUMANITIES (3 UNITS))

American Sign Language 1, 2, 3, 4, 5, 6
Art 2, 3, 4, 5, 6, 6H, 7, 9, 10, 13, 17, 20, 26, 36A, 38A
Communication 12
English 1B, 1BH, 15A, 15B, 15E, 15J, 36, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49
English as a Second Language 14, 15
Film 1, 2A, 2B
French 1, 2, 3, 4
Linguistics 10, 11
Music 1A, 1B, 3, 12, 12H, 16, 17, 26
Philosophy 1, 1C, 1CH, 1D, 3A, 3B, 7A
Photography 1
Spanish 1, 2, 3, 3NS, 4, 4NS, 5

AREA D - LANGUAGE AND RATIONALITY (6 UNITS)

D.1 = 3 units; D.2 = 3 units

1. English Composition
   English 1A, 1AH
2. Communication/Analytical Thinking
   Business Administration 39
   Communication 1, 1H, 4, 8, 25, 25H
   Computer Science 40, 41
   English 2, 2H, 3, 3H
   Mathematics 3A, 4A, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 21, 45, 103
   Philosophy 6
   Plant Science 9
   Psychology 42
   Sociology 1B
   Statistics 7

AREA E – LIFETIME WELLNESS (4-5 units)

1. Physical Education and/or Dance (2 courses)
   Two physical education and/or dance classes. Exceptions will be considered for those students who are veterans with at least one year of active military service, P.O.S.T. program candidates, Basic Fire Academy graduates, or who submit a physician's statement certifying that they are not physically able to participate in physical education classes. Physical education courses that will meet this requirement are
   Animal Science 24, 26
   Dance 9, 10, 14, 15, 28
   Natural Resources 5, 31
   Physical Education 1, 2, 4, 5, 5B, 6, 7, 8, 10, 12, 12B, 12C, 13, 14, 14B, 15, 15B, 16, 18, 19, 19B, 29, 30B, 30C, 30D, 31B, 31C, 33B, 33C, 34B, 34C, 35B, 36B, 36C, 37B, 37C, 37D, 38B, 38C, 38D, 39B, 39C, 40B, 40C, 43B, 43C, 45, 49, 49A, 71.
   Wildland Fire Technology 10, 11, 12, 20
2. Lifetime Skills (1 course)
   Awareness of lifetime skills, demonstrated by completion of one of the following:
   Animal Science 67
   Communication 2
   Counseling 53
   Early Childhood Education 2, 14, 15
   Foods and Nutrition 35
   Health 1
   Psychology 2, 2H, 16, 25, 38
   Service Learning 1
   Sociology 1A, 32
   Exceptions for Lifetime Skills will be considered for those students who are veterans with at least one year of active military service.
   (Some of the courses listed in Area E.2 may satisfy AREA B.)

AREA F – GOVERNMENT AND AMERICAN INSTITUTIONS (3 units)

Completion of one of the following courses on the principles of national, state, and local government, including the study of American institutions and ideals:
Political Science 2, 2H, or 110

AREA G - COMMUNICATION (3 units)

Communication 1, 1H, 4, 8, 25, or 25H
(The course used to fulfill this requirement may also be used to satisfy area D, Part 2, of the general education requirement in language and rationality: communication/analytical thinking.)

Courses used to fulfill General Education requirements may also be used to fulfill specific course and unit requirements of individual majors.

APPLICATION FOR CERTIFICATE OR GRADUATION

A candidate for an associate in arts degree, associate in science degree, associate in arts or science degree for transfer, or a certificate of achievement must file a graduation application for the degree or certificate. An application for a degree or certificate of achievement will be accepted when a student is within a year of potential graduation and/or completion. A student who needs a formal evaluation prior to the year of graduation/completion may appeal this policy by providing evidence of special program requirements. Application deadlines are listed in the academic calendar of this catalog. Graduation ceremonies for degree candidates are held at the end of the spring semester each year. Diplomas will be dated at the end of the semester or summer session in which requirements are met. Diplomas and certificates are mailed to successful candidates approximately 60 working days after the end of the term after fulfilling graduation requirements.

CERTIFICATES OF ACHIEVEMENT, CERTIFICATES OF COMPLETION, CERTIFICATES OF COMPETENCY, AND CERTIFICATES (in name chosen by discipline) shall be issued to students who successfully complete:

1. The curriculum required for the certificate as specified by the individual college and set forth in the catalog of the institution concerned and in accordance with the provisions of Title 5.
2. Residency Requirement
   a. A minimum of twelve (12) semester units must be completed in residence at the District college granting the certificate
   OR
   b. At least 51% of the units required to earn the certificate must be completed at the District college granting the certificate.

Transfer Information & Requirements

Preparation to Enter Baccalaureate-Level Colleges or Universities

Reedley College offers many of the lower division (freshman and sophomore level) classes that are part of the requirements to earn a baccalaureate degree at a college or university. Reedley College students may complete all or most of their lower division general education and major preparation before transferring.

The requirements for transfer and the requirements for a certificate and/or associate degree program can be very different. With careful planning a student may be able to earn a certificate and/or associate degree as well as meet transfer requirements. Therefore, the importance of reaching a decision regarding one's objectives at the time of enrollment cannot be overemphasized. Also, there are differences in the transfer requirements of colleges and universities. Therefore, it is advisable for entering students to plan a program which meets the requirements of the particular college or university to which they wish to transfer. Students should consult the catalog of the specific college or university which they plan to attend. Counselors will assist in interpreting catalog statements and requirements and with developing a Student Educational Plan (SEP) upon request. Catalogs of many universities and colleges are available in the Transfer Center. It is, however, wise for students to order their own personal copies directly from the college or university of their choice.

Articulation

Articulation is a process of developing formal written agreements that identify courses at one college that are accepted in lieu of specific courses at another college or that fulfill a specific statewide pattern of general education.

Reedley College has developed numerous articulation agreements with California State University and University of California campuses. These agreements may be viewed on the Reedley College website, in the Reedley College Transfer Center, or at www.assist.org. Articulation agreements have also been developed with some California private and out-of-state colleges and universities. These agreements are available on the Reedley College website or in the Reedley College Transfer Center as well. See a counselor for assistance.

Articulation System Stimulating Inter-Institutional Student Transfer (ASSIST)

ASSIST is a single computerized database located at www.assist.org that provides access to articulation agreements developed between California Community Colleges, the California State Universities (CSU), and the Universities of California (UC). As articulation agreements are updated, so is the information maintained in ASSIST. See a counselor for assistance in how to use ASSIST.

- **CSU Transferable Courses**
  These are courses from a community college that transfer to any CSU campus for baccalaureate/transfer credit.
- **CSU GE-Breadth Certification Courses**
  These are courses from a community college that apply to the CSU GE-Breadth certification requirements.
- **CSU US History, Constitution, and American Ideals Courses**
  These are courses from a community college that satisfy the CSU graduation requirement in U.S. History, Constitution, and American Ideals.
- **IGETC for UC and CSU**
  These are courses from a community college that apply to the Intersegmental General Education Transfer Curriculum (IGETC) requirements.
- **UC Transferable Courses**
  These are courses from a community college that transfer to any UC campus for baccalaureate/transfer credit.
- **UC Transfer Admission Eligibility Courses**
  These are courses from a community college that satisfy the minimum eligibility course requirements for admission to the UC.
- **By Major**
  These agreements specify courses at one college or university that fulfill lower-division major requirements/ preparation at another college or university.
- **By Department**
  These agreements identify courses at one college or university that are acceptable in lieu of courses at another college or university.
- **C-ID is a common numbering system**
  Courses from different colleges with the same C-ID may be used in place of one another.

Transfer to California State University (CSU)

TRANSFER REQUIREMENTS OF CALIFORNIA STATE UNIVERSITY (CSU)

Students who have enrolled in college beyond the summer following their high school graduation are considered transfer students and must meet transfer admission requirements.

Students who have completed fewer than 60 CSU transferable semester college units at the time of transfer are considered lower division transfer students.

Students who have completed 60 or more CSU transferable semester college units at the time of transfer are considered upper division transfer students.

Lower Division Admission Requirements

Transfer students with fewer than 60 semester or 90 quarter units must have a grade point average of 2.0 ("C") or better in all transferable units attempted, be in good standing at the last college or university attended, and meet any one of the following eligibility standards:

Transfer Based on Current Admission Criteria: Satisfy the freshman admission requirements in effect for the term for which the application is made;
or
Transfer Based on High School Eligibility: Satisfied eligibility as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation;
or
Transfer Based on Making up Missed Subjects: Satisfied the eligibility index at the time of high school graduation (combination of grade point average and test scores, if needed), has made up any missing college preparatory subject requirements with a grade of "C" or better, and has been in continuous attendance in an accredited college since high school graduation.

Note: Due to enrollment pressures, many CSU campuses do not admit lower division transfers. Some campuses may require lower division transfer students to complete specific college coursework as part of their admission.

Upper Division Transfer Students

Students are eligible for admission with 60 or more CSU transferable semester units (90 quarter units) if they:

- Have a grade point average of 2.0 or better (2.4) for California non-residents) in all transferable college units attempted.
- Are in good standing at the last college or university attended, i.e., eligible to re-enroll.
- Have completed or will complete prior to transfer at least 30 semester units (45 quarter units) of general education requirements with a grade of "C" or better in each course. All of the general education requirements in communication in the English language (English composition, oral communication, and critical thinking) and at least one course of at least 3 semester units (4 quarter units) required in Mathematics/Quantitative Reasoning.

Notes: Campuses and/or programs that are designated as impacted have additional admission criteria. Impacted campuses/programs result when the number of CSU eligible applicants received in the initial application filing period is greater than the number of students that can be accommodated by the campus or major.

There are limitations on the number of CSU transferable work experience credits accepted. These vary by CSU campus.

California State University Transfer Course List (CSU)

Reedley College courses numbered 1 through 99 are CSU transferable.

GENERAL EDUCATION REQUIREMENTS FOR CSU CERTIFICATION

The CSU General Education-Breadth program allows California community college transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer. This curriculum provides an alternative to the IGETC requirements and to the campus-specific GE-Breadth requirements. It is important to note that CSU GE-Breadth certification is not a minimum admission requirement, nor does completion guarantee admission to the campus or program of choice.

Up to 39 of the 48 GE-Breadth units required can be transferred from and certified by a California community college. Students who are certified with 39 semester units of lower division GE-Breadth units cannot be held to additional lower division GE courses at the CSU campus. Upon enrollment at CSU, all transfer students will be required to complete a minimum of 9 semester units of upper division general education. Students without certification may be held to the general education pattern developed for CSU students, which may vary from the community college CSU GE-Breadth pattern.

Reedley College CSU General Education—Breadth 2023-2024

AREA A: COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING

Nine semester units minimum with one course each from A1, A2, and A3 ("C" or better grade required in A1, A2, and A3).

- **Area A1: Oral Communication**
  Communication 1, 1H, 4, 8, 25, 25H
- **Area A2: Written Communication**
  English 1A, 1AH
- **Area A3: Critical Thinking**
  Communication 25, 25H
  English 2, 2H, 3, 3H
  Philosophy 2, 4, 6

AREA B: PHYSICAL UNIVERSE AND ITS LIFE FORMS

Nine semester units minimum with at least one course each in B1, B2, and B4 ("C" or better grade required in B4). One course in B1 or B2 must contain a lab component indicated by (L) or be accompanied by a course in B3.

- **Area B1: Physical Science**
  Astronomy 10(L)
  Chemistry 1A(L), 1B(L), 3A(L), 3B(L), 8, 10(L), 28A, 28B
  Geography 5, 9
  Geology 1(L), 2, 9(L), 10
  Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L)
  Plant Science 2
  Science 1A(L)
- **Area B2: Life Science**
  Animal Science 1
  Biology 2(L), 5(L), 10, 10H, 11A(L), 11B(L), 13, 20(L), 22(L), 31(L)
  Natural Resources 7
  Plant Science 1
- **Area B3: Laboratory Activity**
  One course from B1 or B2 marked with (L) or one of the following:
  Biology 10L, 13L
  Chemistry 9, 29A, 29B
  Plant Science 1L, 2L
- **Area B4: Mathematics/Quantitative Reasoning**
  Business Administration 39
  Computer Science 26
  Mathematics 3A, 4A, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 21, 45
  Plant Science 9
  Psychology 42
  Statistics 7

AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE

Nine semester units minimum with at least one course each from C1 and C2.

- **Area C1: Arts**
  Art 2, 5, 6, 6H, 10, 26
  Communication 12
  Film 1, 2A, 2B
  Music 12, 12H, 16, 17
  Photography 1
- **Area C2: Humanities**
  American Sign Language 1, 2, 3, 4, 5
  English 1B, 1BH, 36, 43A, 43B, 44A, 44B, 46A, 46B,47, 49
  English as a Second Language 14, 15
  Film 2A, 2B
  French 1, 2, 3, 4
  History 1, 2, 11, 12, 12H, 20, 22
  Linguistics 10
  Philosophy 1, 1C, 1CH, 1D, 3A, 3B
  Spanish 1, 2, 3, 3NS, 4, 4NS, 5, 15, 16

AREA D: SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR, HISTORICAL BACKGROUND

Six semester units minimum

- **Area D0-D9: Social and Behavioral Sciences**
  African American Studies 1, 34
  Agriculture Business 2
  American Indian Studies 32
  American Sign Language 5
  Anthropology 1, 2, 3
  Asian American Studies 15
  Chicano Latino Studies 11
  Communication 10, 18
  Criminology 5, 13, 14
  Early Childhood Education 2, 4, 14
  Economics 1A, 1B
  Ethnic Studies 1, 32
  Geography 6
  History 1, 2, 5, 11, 12, 12H, 20, 22, 32
  Journalism 1
  Kinesiology 35
  Political Science 2, 2H, 3, 5, 24
  Psychology 2, 2H, 5, 16, 38, 45
  Sociology 1A, 1B, 2, 11

AREA E: LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT

Three semester units minimum.

Communication 2
Counseling 53
Early Childhood Education 2, 14
Foods and Nutrition 35
Health 1
Psychology 2, 2H, 25, 38
Sociology 1A, 32

AREA F: ETHNIC STUDIES

Three semester units minimum.

African American Studies 1
American Indian Studies 31
Chicano-Latino Studies 11

Total Minimum Units Required for Certification...39

Notes: Courses listed in more than one area may only be used one time.

Cross-listed courses may only be used one time.

Some CSU campuses have restrictions on when courses in Areas A and B4 must be completed prior to transfer.

Additional courses may be added to the Reedley College CSU GE-Breadth. An updated CSU GE-Breadth Requirement Sheet may be obtained from the Counseling Office, the Transfer Center, the Reedley College website, or www.assist.org.

Students majoring in Engineering may be waived/exempted from specific areas of CSU GE-Breadth for some CSU campuses.

Students majoring in Liberal Studies may be required to complete specific courses in each area of CSU GE-Breadth.

A maximum of 70 semester units earned at community college may be transferred to CSU. Course work completed above the 70 units may be used to satisfy GE and major preparation even though the units will not count toward the bachelor's degree.

AREA F: ETHNIC STUDIES

Three semester units minimum.

Special Note: Area F and changes in AREA D are effective fall 2021. These changes are required of students who begin enrollment in fall 2021 and who reenroll in fall 2021 after losing catalog rights. Per Title 5's definition of catalog rights, a student who begins and maintains continuous enrollment at the California Community College or California State University before fall 2021 will not be required to complete AREA F and may complete previous catalog CSUGE-Breadth requirements. At this time, Reedley College does not have courses approved for AREA F. Students can check www.assist.org for other California Community Colleges that have courses approved for Area F.

U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS

To graduate from the California State University, a student must complete, with a "D" or better grade, a combination of courses which are identified as meeting the U.S. History, Constitution, and American Ideals requirements. Courses at Reedley College which meet this requirement include:

One course from History 11, 12, or 12H, 22 combined with one course from Political Science 2 or 2H. These courses may also be used simultaneously to satisfy course requirements on the CSU GE-Breadth pattern.

AP United States History (score 3 or higher) will satisfy the US History portion of this requirement. AP American Government (score of 3 or higher) will satisfy the national government requirement portion but NOT the California (state and local) portion requirement of Constitution and American Ideals.

Transfer to University of California (UC)

TRANSFER REQUIREMENTS OF UNIVERSITY OF CALIFORNIA (UC) FOR CALIFORNIA RESIDENTS

Students who have enrolled in college beyond the summer following their high school graduation are considered transfer students and must meet transfer admission requirements. The requirements described here represent minimum academic standards students must attain to be eligible for admission to the UC. Meeting the minimum eligibility requirements does not guarantee admission to the campus or program of choice, which often requires students meet more demanding transfer selection.

Lower Division Transfer Admission Requirements

Students are eligible for admission with fewer than 60 UC transferable units completed if they have met one of the two following options:

1. Students who were eligible for admission to the university upon graduation from high school, meaning that the Subject, Scholarship, and Examination Requirements were satisfied, or students were identified by the UC during their senior year in high school as eligible under the Eligibility in the Local Context (ELC) program and completed the Subject and Examination Requirements in the senior year, are eligible to transfer if they have a "C" (2.0) grade point average in their UC transferable college coursework.
2. Students who met the Scholarship Requirement but did not satisfy the Subject Requirement must take UC transferable college courses in the subjects they are missing, earn a grade of "C" (2.0) or better grade in each of these required courses and earn an overall "C" (2.0) average in all UC transferable college coursework to be eligible to transfer.

Upper Division Transfer Admission Requirements

Students are eligible for admission with 60 or more UC transferable semester units (90 quarter units) if they fulfill both of the following criteria:

- Complete 60 semester units of UC transferable college credit with a grade point average of at least 2.4 (no more than 14 semester/21 quarter units may be taken Pass/Not Pass), and:
- Complete the following seven course pattern, earning a grade of "C" (2.0) or better in each course:
  - two UC transferable college courses (3 semester units each) in English composition; and
  - one UC transferable college course (3 semester units) in mathematical concepts and quantitative reasoning; and
  - four transferable college courses (3 semester units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

Notes: Students who satisfy the Intersegmental General Education Transfer Curriculum (IGETC) prior to transferring to UC may satisfy the seven course pattern of the upper division transfer admission requirements.

A maximum of 70 UC transferable semester units earned at community colleges may be transferred to the UC. Coursework completed above the 70 units may be used to satisfy GE and major preparation even though the units will not count toward the bachelor's degree.

UC TRANSFER ADMISSION GUARANTEE

Reedley College participates in guaranteed admission programs with UC Davis, UC Irvine, UC Merced, UC Riverside, UC Santa Barbara, and UC Santa Cruz. Specific requirements must be met for students to qualify for a transfer admission guarantee. See a counselor or the Transfer Center for Transfer Admission Guarantee information.

University of California Transfer Course Agreement 2023-2024

Reedley College courses that are acceptable for transfer credit at the University of California:

Accounting (ACCTG) 4A, 4B
African-American Studies (AFRAM) 1
Agriculture Business (AGBS) 1, 2, 4
American Indian Studies (AMIND) 31, 32
American Sign Language (ASL) 1, 2, 3, 4, 5, 6
Animal Science (AS) 1, 2, 3, 4, 6, 21, 22, 25, 26, 67
Anthropology (ANTHRO) 1, 2, 3
Art (ART) 2, 3, 4, 5, 6, 6H, 7, 9, 10, 13, 15, 17, 19, 20, 23, 26 36A, 38A
Asian-American Studies (ASAMER) 15
Astronomy (ASTRO) 10
Biology (BIOL) 2, 5, 10, 10H, 10L, 11A, 11B, 13, 13L, 20, 22, 31
Business Administration (BA) 10, 18, 30, 39
Chemistry (CHEM) 1A, 1B, 3A, 3B, 8, 9, 10, 28A, 28B, 29A, 29B
Chicano-Latino Studies (CLS) 11
Communication (COMM) 1, 1H, 2, 4, 8, 10, 12, 18, 25, 25H
Computer Science (CSCI) 1, 5, 12, 26, 40, 41, 45
Counseling (COUN) 53
Criminology (CRIM) 1, 5, 6, 13, 14
Dance (DANCE) 9, 10, 14, 15, 28
Early Childhood Education (ECE) 1, 2, 4, 7, 14
Economics (ECON) 1A, 1B
Education (EDUC) 10
Engineering (ENGR) 2, 4, 4L, 5, 6, 8, 10, 12, 40
English (ENGL) 1A, 1AH, 1B, 1BH, 2, 2H, 3, 3H, 15A, 15B, 15E, 15F, 15J, 36, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49, 74, 75
English as a Second Language (ESL) 14, 15
Environmental Horticulture (EH) 30
Ethnic Studies (ETHNST) 1, 5, 32
Film (FILM) 1, 2A, 2B
Foods and Nutrition (FN) 35, 40
French (FRENCH) 1, 2, 3, 4
Geography (GEOG) 5, 6, 9, 10
Geology (GEOL) 1, 2, 9, 10
Health Science (HLTH) 1, 2
History (HIST) 1, 2, 5, 11, 12, 12H, 20, 22, 32
Honors (HONORS) 3A, 3B, 3C, 3D
Information Systems (IS) 15, 31, 33, 47, 50A, 50B
Journalism (JOURN) 1
Kinesiology (KINES) 20, 22, 35
Library Skills (LBSKL) 1
Linguistics (LING) 10, 11
Math (MATH) 3A, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 21, 45
Music (MUS) 1A, 1B, 2A, 2B, 3, 7A, 7B, 7C, 7D, 12, 12H, 16, 17, 18, 20, 21, 22, 24, 26, 27, 28, 31, 33, 38, 40, 41, 42, 43, 45
Natural Resources (NR) 4, 6, 7, 18
Philosophy (PHIL) 1, 1C, 1CH, 1D, 2, 3A, 3B, 4, 6, 7A
Photography (PHOTO) 1
Physical Education (PE) 1, 2, 4, 5, 5B, 6, 7, 8, 10, 12, 12B, 12C, 13, 14, 14B, 15, 15B, 16, 18, 19, 19B, 29, 30A, 30B, 30C, 30D, 31A, 31B, 31C, 33A, 33B, 33C, 33D, 34A, 34B, 34C, 35B, 36B, 36C, 36E, 37A, 37B, 37C, 37D, 38A, 38B, 39A, 39B, 38C, 38D, 39C, 40A, 40B, 40C, 43B, 43C, 45, 49, 49A, 71
Physics (PHYS) 2A, 2B, 4A, 4B, 4C
Plant Science (PLS) 1, 1L, 2, 2L, 3, 9, 10, 14, 18

Political Science (POLSCI) 2, 2H, 3, 5, 24
Psychology (PSY) 2, 2H, 5, 16, 25, 38, 42, 45
Science (SCI) 1A
Sociology (SOC) 1A, 1B, 2, 11, 32
Spanish (SPAN) 1, 2, 3, 3NS, 4, 4NS, 5, 15, 16
Statistics (STAT) 7

Notes: A number of courses are cross-referenced (the same course is listed in more than one area, department, or discipline) usually with the same course number. Credit can be earned only once for cross-referenced courses. See the individual course listings in the "Course Descriptions" section of the catalog.

Course/unit limitations:

- UC grants limited credit for multiple courses taken in one discipline; credit is also limited when certain courses are taken after other courses in one discipline. See www.assist.org for additional information.
- Independent studies, special studies, and variable topics courses may be accepted for UC credit; review of the scope and content of the course usually occurs after transfer.
- Credit for PE activity courses is limited to 4 semester units; credit for PE theory courses is limited to 8 semester units.
- Honors Course Credit Limitation. Duplicate credit will not be awarded for both the honors and regular versions of a course. Credit will only be awarded the first course completed with a grade of "C" or better.

Intersegmental General Education Transfer Curriculum (IGETC) to CSU and UC

The Intersegmental General Education Transfer Curriculum is a general education program that California community college transfer students may use to fulfill lower-division general education requirements for any California State University (CSU) or University of California (UC) and many California private colleges and universities. This curriculum provides an alternative to the CSU General Education-Breadth requirements, the UC GE/Breadth requirements, and many private colleges' general education requirements. It is important to note the IGETC is not an admission requirement, nor does completion of the IGETC guarantee admission to the campus or program of choice.

The IGETC is most helpful to students who want to keep their options open—those who know they want to transfer but have not yet decided upon a particular institution, campus, or major. Certain students, however, will not be well served by following the IGETC. Students who intend to transfer into a major that requires extensive lower division preparation, such as engineering or the physical and natural sciences, should concentrate on completing the many prerequisites for the major that the college evaluates to determine eligibility for admission. A counselor or a UC/CSU/private college admissions representative can advise which path is best. If you choose to follow IGETC, we recommend that you complete all IGETC requirements before you transfer. Otherwise, you will need to satisfy the specific freshman/sophomore level general education requirements at your transfer university. Reedley College may grant partial certification of IGETC for students who are missing no more than two requirements. The student will complete the missing requirements after transferring. See a counselor for information about IGETC.

Additional courses may be added to the Reedley College IGETC. An updated IGETC may be obtained from the Counseling Office, the Transfer Center, the Reedley College website, or www.assist.org.

Reedley College Intersegmental General Education Transfer Curricula (IGETC) 2023-2024

AREA 1: ENGLISH COMMUNICATION

CSU - three courses required, one each from 1A, 1B, and 1C (nine semester units minimum);
UC - two courses required, one each from 1A and 1B (six semester units minimum).

- **1A: English Composition**
  English 1A, 1AH
- **1B: Critical Thinking-English Composition**
  Communication 25
  English 2, 2H, 3, 3H
  Philosophy 2
- **1C: Oral Communication** (CSU requirement only)
  Communication 1, 1H, 4, 8

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

One course required (three semester units minimum).

- **2A:**
  Business Administration 39
  Computer Science 26
  Math 3A, 5A, 5B, 6, 11, 11C, 17, 21
  Plant Science 9
  Psychology 42
  Statistics 7

AREA 3: ARTS AND HUMANITIES

At least three courses with at least one from Arts and one from Humanities (nine semester units minimum).

- **3A: Arts**
  Art 2, 5, 6, 6H, 26
  Film 1, 2A, 2B
  Music 12, 12H, 16
- **3B: Humanities**
  American Sign Language 2, 3, 4, 5
  English 1B, 1BH, 36, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49
  Film 2A, 2B
  French 2, 3, 4
  History 1, 2, 11, 12, 12H, 20, 22
  Linguistics 10
  Philosophy 1, 1C, 1CH, 1D, 3A, 3B
  Spanish 2, 3, 3NS, 4, 4NS, 5

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES

At least three courses from at least two different disciplines (nine semester units minimum).

American Sign Language 5
Anthropology 1, 2, 3
Communication 10
Criminology 13, 14
Early Childhood Education 2, 4, 14
Economics 1A, 1B
Ethnic Studies 5, 32
Geography 6
History 5, 11, 12, 12H, 22, 32
Journalism 1
Political Science 2, 2H, 3, 5, 24
Psychology 2, 2H, 5, 16, 38, 45
Sociology 1A, 1B, 2, 11, 32

AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES

At least two courses, one Physical Science and one Biological Science. One course must have a lab component (indicated by L), (seven-nine semester units minimum).

- **5A: Physical Science**
  Astronomy 10(L)
  Chemistry 1A(L), 1B(L), 3A(L), 3B(L), 8, 9(L), 10(L), 28A, 28B
  Geography 5, 9
  Geology 1(L), 2, 9(L), 10
  Physics 2A(L), 2B(L), 4A(L), 4B(L), 4C(L)
  Plant Science 2
  Science 1A(L)
- **5B: Biological Science**
  Animal Science 1
  Biology 2(L), 5(L), 10, 10H, 11A(L), 11B(L), 20(L), 22(L), 31(L)
  Natural Resources 7
  Plant Science 1
- **5C: Science Laboratory**
  One course from 5A or 5B marked with (L) or one of the following:
  Biology 10L,
  Chemistry 9, 29A, 29B,
  Plant Science 1L, 2L

AREA 6: UC REQUIREMENT IN LANGUAGES OTHER THAN ENGLISH

Proficiency equivalent to two years of high school study in the same language with "C" or better grades (at Reedley College, one course required if not met by high school foreign language).

American Sign Language 1, 2, 3, 4
French 1, 2, 3, 4
Spanish 1, 2, 3, 3NS, 4, 4NS

CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS

One course from each group (six semester units minimum). This requirement is NOT part of IGETC, but it may be completed prior to transfer.

- **Group 1:**
  Political Science 2, 2H
- **Group 2:**
  History 11, 12, 12H, 22

IGETC Notes

- The IGETC is a general education program that California Community College students can use to fulfill lower division general education requirements for any CSU or UC campus and many California private colleges/universities.
- The IGETC provides an alternative to the General Education-Breadth requirements for CSU, UC, and many California private colleges/universities.
- The IGETC is NOT an admission requirement for the CSU or UC nor does completion of the IGETC guarantee admission to the campus or program of choice.
- All areas of the IGETC must be completed to be fully certified by the community college and must be completed prior to transfer to a CSU or UC. In some circumstances, a student may make up two missing IGETC course requirements after transferring to a university. See a counselor for information regarding partial certification.
- All courses must be completed with a grade of "C" or better to be certified.
- A grade of "CR" (credit) or "P" (pass) may be used if the grading policy of the community college states that "CR" or "P" is equivalent to a grade of "C" or better. The UC will allow no more than 14 semester units taken CR/P toward UC eligibility or IGETC. The CSU campuses vary on the number of units they allow. Check each college's catalog or see a counselor for more information.
- Courses may be used only once to satisfy one subject area even if they are listed in more than one subject area.
- Advanced Placement (AP) tests completed with a score of 3, 4, or 5 may be applied to the IGETC as long as the community college recognizes the AP exam to be equivalent to its IGETC approved courses. One AP exam may be applied to only one course requirement. (Example: AP English Comp and Literature may be used to satisfy ENGL 1A or 1B NOT both.) Courses completed at the other California Community Colleges will be place on IGETC according to how they were approved at the college they were completed.
- All IGETC coursework does not have to be completed at the same college. Courses taken at more than one California Community College may be used to fulfill the IGETC. Note, however, that courses applicable to IGETC may vary from college to college.
- Additional information regarding the acceptance of IGETC at specific colleges in each UC is available in the "UC Answers for Transfers" booklet in the Transfer Center or online at http://www.universityofcalifornia.edu.
- The IGETC is not a good option for students intending to transfer into high-unit majors, such as engineering or the sciences, which require extensive lower division preparation.
- See a counselor to make sure that the IGETC is appropriate for your use or if you have any other questions regarding the IGETC.
- Additional courses may be added to the Reedley College IGETC. An updated IGETC sheet may be obtained from the Counseling Office, Transfer Center, Reedley College web site, or www.assist.org.

Transfer to Private/Independent and Out-of-State Colleges and Universities

Transfer requirements of the private/independent and out-of-state colleges and universities differ from one institution to another. Students should acquaint themselves with the current catalog of the college to which they plan to transfer for admission, general education, and major preparation information. It is up to the receiving institution to determine application of credit. The Reedley College Transfer Center has a library of catalogs for student use as well as computers with internet access for college websites and catalogs online. See a counselor for assistance.

Administrative Policies

Student Conduct Standards

Students are expected to conduct themselves in a responsible manner whenever they are on campus or representing the college in any activity. Specific rules and regulations have been established in Board Policy 5500. A copy of this policy is available in the college library, the Admissions Office, the Vice President of Student Services' office, the Student Activities Office, and Office of Instruction.

Conduct standards are designed to perpetuate the college's educational purposes, allowing students to enjoy the right of freedom to learn. Failure to adhere to the accepted standards will result in disciplinary action.

STATE CENTER COMMUNITY COLLEGE DISTRICT (SCCCD) POLICY STATEMENT

Once a student enrolls in courses on a campus of the State Center Community College District, that individual accepts both the rights and responsibilities associated with that enrollment. The State Center Community College District exists to educate individuals in our community. All other considerations are secondary. The district will not infringe on anyone's constitutional rights and the right to dissent and to protest will be supported. However, the right to dissent and to protest must not be construed as a right to disrupt operation of the institution. No individual or group can be permitted to infringe on the rights of others to secure an education.

These conduct standards, and Administrative Regulation 5520 which defines discipline procedures, apply to all students who are enrolled in courses offered by either college of the State Center Community College District. Any student will be subject to discipline who, in any way:

1. prevents other students from pursuing their authorized curricular or co-curricular interests;
2. interferes with or disrupts faculty and administrators who are fulfilling their professional responsibilities;
3. prevents classified employees from fulfilling their prescribed duties;
4. disrupts presentations by authorized guests; or
5. deliberately endangers the safety of persons, or the security of college property.

STUDENT ASSEMBLY

In accordance with state law, the district recognizes the right of peaceful assembly and will make facilities available for recognized staff and student groups when such assembly does not obstruct free movement of persons about the campus, the normal use of classroom buildings and facilities, and normal operations of the college or the instructional program, and when it does not jeopardize the safety of persons, lead to the destruction of property, or violate the laws of the district, state or nation. Persons who are not members of the student body or the college and who violate this policy shall be subject to the control of public authorities.

EXERCISE OF FREE EXPRESSION

In stating its policy on the distribution of materials, the governing board of this district has assumed that each student is responsible for their actions individually, even when acting as a member of an organization, and that no student, by following district or college policies, regulations or procedures, escapes individual responsibility for observing laws relating to such matters as libel, copyright violation, and obscenity.

Bulletins, circulars, publications, or articles of any character prepared by a student currently enrolled in an institution of this district, or by a campus organization officially recognized by a college of this district may be distributed on a college campus of this district only when such distribution is in accordance with established regulations.

With the exception of publications and materials sold or circulated by offices or agencies of this district and of district colleges, all publications and materials to be circulated on campuses of the district shall be subject to the foregoing policy provisions.

This policy is not intended to limit the use of sectarian, partisan, or denominational materials for legitimate library and classroom use.

STUDENT PROTESTS AND DEMONSTRATION

The students, faculty, and administration of the community college district are expected to respect the rights of the minority just as much as they respect those of the majority. Every individual, operating within the law, is guaranteed the basic freedoms. Students may participate in demonstrations or protests as long as they do not interfere with the main job of the college - education. Picketing, demonstrations, or other forms of protest are not to be carried on so as to interfere with instructional activities or the normal flow of student traffic in and out of buildings.

Each college has the right to make and enforce reasonable regulations relating to the time, place, and manner of the exercise of these rights, in order to prevent interference with college programs and services.

STUDENT PUBLICATIONS

Student publications are a valuable aid in establishing and maintaining an atmosphere of free and responsible discussion and in intellectual exploration. They serve as a means of bringing student concerns to the attention of the college community and the public and of formulating student opinion on various issues.

The editorial freedom of student editors and managers entails corresponding responsibilities to be governed by the canons of responsible journalism such as the avoidance of libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo. As safeguards for the editorial freedom of student publications, the following provisions shall apply:

1. Editors and managers of student publications shall be protected from arbitrary suspension and be removed only for proper cause through orderly procedures.
2. All college published and financed student publications shall state explicitly on the editorial page that the opinions there expressed are not necessarily those of the college or the student body.

Computer/Network Equipment Use Policy

Every State Center Community College District (SCCCD) student is permitted to use a District owned computer/network. As a condition of this use, each student agrees to:

- use the computer/network for educational purposes only and not for any commercial purpose or financial gain;
- use the computer and software in an ethical manner; this means they will respect the security of the District's computer system and will not illegally gain access to any network, hardware or software;
- not take or copy any copyrighted or patented software or any part of such software; further, they agree not to install/uninstall any program or software, including shareware programs, on the computer;
- not use the electronic mail system for any illegal or illicit purpose, including solicitation; the District reserves the right to monitor all computer activities on its computers; the student agrees to abide by the rules of any other computer system that they may contact through the Internet;
- not transmit any communication in which the meaning of the message or its transmission or distribution would violate any applicable law or regulation or be offensive to the recipient or recipients; and
- not search, view or download pornographic material through any means.

It is understood that information, programs or data a student obtains from the Internet are used at their own risk. The student is responsible for any damage caused by malicious programs, commonly known as viruses, received from the Internet.

Each student is expected to abide by the District's Acceptable Use Policy (http://www.scccd.edu/terms-and-privacy.html). The District is the sole determiner of the interpretation and application of the Acceptable Use Policy. It is understood that if a student violates any of the above rules, they are subject to removal from the computer facility as well as discipline as a student.

Smoke Free Campus

Effective November 17, 2016, smoking and tobacco use shall not be permitted on any Reedley College property. For the purposes of this policy, the following definitions shall apply: Tobacco Product means any form of tobacco, including but not limited to: cigarettes, cigars, cigarillos, pipes, water pipes (hookah), chew, inhalants, smokeless tobacco products and unregulated nicotine products (e.g., "e-cigarettes"). Smoking means any form of smoking, including but not limited to: cigarettes, cigars, cigarillos, mini-cigars, and hookah. E-Cigarette use or vaping means any form of electronic smoking or electronic nicotine delivery systems. FDA-approved nicotine patches and gum defined as cessation aids are not included in this category. Use of tobacco, smoking and/or e-cigarettes will not be permitted on any property of Reedley College; this includes: campus buildings, residential facilities, outdoor structures, athletic facilities, parking structure, parking lots, surface lots, grounds areas, any areas previously identified as designated smoking areas, and in all Reedley College owned, leased or rented vehicles. Exception: students, staff, faculty and visitors may smoke in their own personal vehicle with the windows rolled up on college property. The sale, advertising, promotion, or distribution of tobacco products is also prohibited on all college owned or leased property. Each member of the Reedley College community, including, students, faculty, staff, and volunteers, is responsible for observing and adhering to the smoke and tobacco free environment policy. State Center Community College District will support and assist efforts to stop smoking by providing literature, referrals to community cessation programs, and by sponsoring periodic campus smoking cessation programs. Tobacco products will not be sold on campus either through vending machines or campus establishments. Every student, faculty member, staff person, and visitor on campus is authorized to implement the District's smoke free environments policy and regulation.

Drug- and Alcohol-Free Campus

Reedley College is committed to maintaining a drug- and alcohol-free campus. To that end, the college prohibits the unlawful manufacture, distribution, dispensing, possession, or use of controlled substances (as defined in Schedules I through V of the Controlled Substances Act {21U.S.C812} and as further defined by Regulations 21 CFR 1308.15 in the workplace). Behavior which violates this policy will be subject to disciplinary action in accordance with campus policies and regulations (BP 5410). Persons who seek information and/or resolution of alleged violations are directed to the Vice President of Student Services in the Student Services Building. (559) 494-3591, or campus police (559) 244-6140.

Academic Freedom

GENERAL PRINCIPLES

The State Center Community College District is unequivocally and unalterably committed to the principle of academic freedom in its true sense which includes freedom to study, freedom to learn and freedom to teach and provide educational professional services to students.

Academic freedom encompasses the right of an instructor to discuss pertinent subjects within his or her field of professional competency in the classroom, consistent with course objectives, and for counselors, librarians and other academic employees to provide appropriate student services within their fields of professional competency and consistent with sound educational principles.

Neither District officials nor outside individuals or groups may interfere with or censure an academic employee because of the employee's proper treatment of pertinent subjects, or provision of proper educational professional services to students is precluded by the principle of academic freedom.

Faculty must, however, accept the responsibility that accompanies academic freedom. The right to exercise any liberty implies a duty to use it responsibly. Academic freedom does not give faculty freedom to engage in indoctrination. Nor can faculty invoke the principle of academic freedom to justify non-professional conduct.

An essential point that pertains to academic freedom and that must be considered in relation to subject matter or to professional services to the student is the criterion of suitability. The subject matter, material to be studied, or educational professional services to the student must contribute to the attainment of course objectives or achievement of an educational principle.

The special interests of faculty or the opinion of a person or persons in a class should not supersede the right of other students to be protected against irrelevant or obscene materials or presentations.

TEXTBOOK SELECTION

Each campus shall develop a procedure for the selection of textbooks that recognizes the basic right and duty of the faculty to be the primary agent in the process. Since students in most instances must purchase books, the procedure should take cognizance of the financial consideration that may be imposed upon the student.

PUBLIC FORUMS

In keeping with the philosophy of intellectual freedom and the responsibility of the Community College District for services to its community, public forums presenting speakers with varying points of view may be offered to the local community as part of the educational program.

All proposals for special programs and projects, involving requests for financial assistance from outside funding sources such as governmental agencies, foundations or special organizations, shall be presented to the Board of Trustees for approval prior to the submission of a formal application to such outside groups.

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

CHEATING

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

PLAGIARISM

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Authority and Disciplinary Actions

Instructors shall be in charge of their classes and students are under obligation to respect the authority of each instructor.

Reedley College seeks to develop responsible, democratic citizenship among the students enrolled. Students are responsible for their conduct. Failure to adhere to the college's standards will result in disciplinary action. The college reserves the right to exclude at any time a student who violates student conduct standards and/or is not taking proper advantage of the opportunities offered. (See Student Right to Know on page 10).

Reedley College reserves the right to exclude at any time a student who, in the judgment of the administration, is not taking proper advantage of the opportunities offered.

Student Rights

Student rights are protected by federal and state laws, and by policies established by the trustees of the State Center Community College District. It is therefore essential for the protection of students' rights that procedures be established and followed which would identify violations of student conduct standards and the resolutions of such violations. Students have a right to an oral or written notice (reasons for disciplinary action), an opportunity for a review, and a decision given orally or in writing. For more information contact the Vice President of Student Services' office. (Board Policy 5520, Administrative Regulation 5520)

Removal from Class by Instructor

Reedley College's Student Code of Conduct Policy (Board Policy 5520 and Educational Code 76032) authorizes an instructor to remove a disruptive student from his or her class for the day of the removal and the next class meeting. The instructor shall immediately report the removal to the Vice President of Student Services. During the period of removal, a student shall not be returned to the class from which they were removed without the concurrence of the instructor of the class.

Grievance Policy for Students

Any complaint concerning an alleged unauthorized or unjustified act or decision by any staff member which adversely affects the grades, status, rights, or privileges of a student is the concern of the Reedley College administration.

A student should see the following people if the concern is an academic matter:

1. Instructor
2. Dean of Instruction
3. Vice President of Instruction
4. Petition Academic Standards Committee (obtain petition form from Admissions and Records)

A student should see the following people if the concern is a non-academic matter:

- If it involves an administrator - immediate supervisor
- If it involves certificated/classified staff immediate supervisor
- If it involves another student - Vice President of Student Services

If the student's concern(s) remain unresolved, the student may submit the grievance in writing.

Grievances regarding non-academic matters are submitted to the Title IX Officer at Reedley College.

At Reedley College, grievance forms may be obtained at the Dean of Instruction's Office in the Library (559) 494-3059.

Individuals seeking information and/or resolution of alleged acts of discrimination are directed to contact the Reedley College Dean of Instruction at (559) 494-3059.

Rights and Responsibilities

OPEN ENROLLMENT

It is the policy of this district that, unless specifically exempted by statute or regulation, every course, section, or class, reported for state aid, wherever offered and maintained by the district, shall be 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 section 55003 of division 6 of title 5 of the California Code of Regulations.

STUDENT ENROLLMENT RESPONSIBILITIES

It is the responsibility of all students to be aware of and observe all college policies regarding class enrollment and attendance, including dropping classes.

Parking Regulations

Student vehicles must display a SCCCD parking permit to park in campus parking lots.

Students are expected to observe parking regulations with regard to red no-parking zones, private driveways, double parking, handicapped zones, restricted lots, etc., and are reminded that parking in these areas could result in a citation or the vehicle being towed away at the student's expense.

The State Center Community College District Police Department will strictly enforce these regulations. Students are advised to arrive early enough for their first class to allow time for them to obtain a parking space, which may be some distance from the classroom, and to arrive in the classroom on time.

Students may pick up a copy of the complete parking regulations at Campus Police, Monday - Friday between 7:00 a.m. and 4:00 p.m. or their website at sccdpolice.com.

Equal Employment Opportunity

BOARD POLICY #3420

The Board supports the intent set forth by the California Legislature to assure that effort is made to build a community in which opportunity is equalized and to ensure that all qualified applicants for employment and all employees have full and equal access to employment opportunity, and are not subjected to discrimination in any program or activity of the District on the basis of a protected class.

The District strives to achieve a climate of acceptance, with the inclusion of faculty and staff from a wide variety of backgrounds and agrees that a focus on diversity, and equity-mindedness in the academic and workplace environments fosters cultural awareness, mutual understanding and respect, free expression of ideas, suitable role models for students, and promotes social justice, civility, and non-violence.

To this end, the Board commits itself to support a continuing Equal Employment Opportunity Plan that shall be developed by the Chancellor for review and adoption by the Board.

The Equal Opportunity Plan will be maintained to ensure the implementation of equal employment opportunity principles that comply with federal and state laws, and with the Education Code and Title 5 requirements, as from time to time modified or clarified by judicial interpretation.

Statement of Nondiscriminatory Policy and Obligations

NON-DISCRIMINATION STATEMENT

The State Center Community College District does not discriminate nor harass on the basis of race, color, national origin, gender, sexual orientation, disability, or age in any of its policies, procedures, or practices, nor does it tolerate sexual harassment, in compliance with the Americans with Disabilities Act of 1991, Title VI of the Civil Rights Act of 1964 (pertaining to race, color, and national origin), Title IX of the Education Amendments of 1972 (pertaining to sex), Section 504 of the Rehabilitation Act of 1973 (pertaining to handicap), and Age Discrimination Act of 1975 (pertaining to age). This nondiscrimination policy covers admission and access to, and treatment and employment in, the College's programs and activities, including vocational education.

Inquiries regarding the equal opportunity policies, the filing of complaints, or to request a copy of the complaint procedures covering discrimination complaints at Reedley College may be directed to the Dean of Instruction and Title IX Officer in the Library, (559) 494-3059. The Dean of Instruction's office is located in the Reedley College Library, room LRC-110, at 995 N. Reed Ave., Reedley, CA 93654.

The college recognizes its obligation to provide overall program accessibility throughout Reedley College for handicapped persons. Contact the Reedley College Director of Disabled Students Programs & Services and Section 504/ADA Coordinator in the Disabled Students Programs and Services Building, (559) 494-3032 to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons.

The lack of English language skills will not be a barrier to admission and participation in the college's vocational education programs.

Inquiries regarding Federal laws and regulations about nondiscrimination in education or the District's compliance with those provisions may also be directed to the Office for Civil Rights, U.S. Department of Education, 221 Main Street, Suite 1020, San Francisco, CA 94105.

DECLARACIÓN: PÓLIZA CONTRA LA DISCRIMINACIÓN Y LAS OBLIGACIONES

El Distrito State Center Community College (Reedley College) no discrímina ni acosa por razones de raza, color, nacionalidad, género, orientación sexual, inhabilidad, o edad, en ninguno de sus reglamentos, procedimientos, o acciones, de acuerdo con los siguientes códigos: el Artículo VI del Código de Derechos Civiles (Civil Rights Act) de 1964, el cual prohibe la discriminación por razones de raza, origen, o nacionalidad y color; el Artículo IX de las Enmiendas al Código Educativo (Education Amendments) del año 1972 (género); la sección 504 del Código de Rehabilitación de 1973 (inhabilidad); y el Código Antidiscriminatorio de 1975 (edad); y tampoco tolera ninguna acción asociada con el acoso sexual (sexual harassment), en cumplimiento con el Código que cubre a los Americanos Inhabilitados de 1991 (Americans with Disabilities Act of 1991). Dichos reglamentos y leyes abarcan y rigen todos los programas y actividades de Reedley College, incluyendo el Programa de Educación Vocacional (Vocational Education), e incluyen el derecho de no ser discriminado en ninguno de los programas y actividades del colegio, y ser tratado en una forma igual y equitativa.

Las preguntas al respecto a la oportunidad igual, las quejas, o solicitor una copia de las reglas para hacer una queja de discriminacion contra Reedley College se pueden dirigir a: el vice-presidente de servicios a los estudiantes, (559) 494-3591. El vice-presidente se encuentra en la oficina de los servicios del estudiante de Reedley College localizado en 995 N. Reed Ave., Reedley, CA 93654.

El Colegio de Reedley College acepta y reconoce la obligación que tiene con las personas inhabilitadas (handicapped) de proveerles y facilitarles el accesso a todos sus programas y actividades. Para mayor información al respecto, comuníquese con el Coordinador de la Sección 504 quien le informará sobre la ubicación de los diversos servicios y actividades, así como sobre los lugares accesibles y disponibles para los inhabilitados.

La falta de conocimiento del idioma inglés no es un obstáculo para ser admitido a los programas técnicos y vocacionales del Colegio de Reedley (Reedley College).

Puede obtener más información sobre las leyes y reglamentos antidiscriminatorios, dirigiéndose a la Oficina de Derechos Civiles: (Office for Civil Rights), U.S. Department of Education, 221 Main Street, Suite 1020, San Francisco, CA 94105.

TSAB CAI TSIS PUB MUAJ KEV NTXUB-NTXAUG THIAB TEJ UAS YUAV TSUM TAU UA

Reedley College yuav tsis pub muaj kev ntxub ntxaug rau tej kev sib txawv ntawm haiv neeg, ntawm nqaij-tawv, tuaj txawv tej chaws tuaj, poj-niam, txiv-neej, neeg xiam oob khab, laus-hluas, los yog qhov kev xaiv ntawm tej kev nkauj nraug li cas nyob rau hauv nws txoj cai, kev khiav dej-num, los yog kev coj, kom raws li txoj cai Title VI ntawm Civil Rights Act ntawm 1964 (uas hais txog ntawm haiv neeg, nqaij-tawv, thiab tuaj txawv teb chaws tuaj), Title IX ntawm qhov Education Amendments ntawm xyoo 1972 (hais txog poj niam-txiv neej), Section 504 ntawm Rehabilitation Act ntawm xyoo 1973 (hais txog neeg xiam oob khab), qhov Americans with Disability Act thiab qhov Age Discrimination Act ntawm xyoo 1975 (hais txog laus-hluas), thiab Xeev California Txoj Cai. Tsab cai tsis pub muaj kev ntxub-ntxaug no muaj vaj-huam sib luag thiab ncaj ncees rau kev tuaj nkag kawm ntawv thiab kev ua hauj-lwm nyob hauv college tej programs thiab lwm yam rau txhua tus, nrog rau kev kawm hauj lwm nyob hauv tsev kawm ntawv. Yog xav paub txog txoj cai vaj-huam sib luag no, muaj kev tsis txaus siab los sis xav tau ib daim ntawv qhia txog txoj cai ntawm kev tawm suab txog tej kev tsis txaus siab thaum raug neeg ntxub ntxaug ntawd no, mus cuag tau rau: Reedley College Vice President of Student Services, at (559) 494-3591, located in the Reedley College Student Services Building at 995 N. Reed Ave., Reedley, CA 93654.

Lub tsev kawm ntawv paub txog nws lub luag dej num hais tias yuav tsum tau muaj program nyob thoob plaws hauv tsev kawm ntawv rau cov neeg xiam oob khab. Hu rau, Reedley College Dean of Instruction, rau tej kev pab thiab tej chaw pab, uas muaj rau cov neeg xiam oob khab.

Tus ho tsis paub lus As-kiv zoo los yeej tsis muaj teeb meem li cas rau nws tuaj mus kawm ntawv thiab kawm hauj lwm nyob rau hauv tsev kawm ntawv nqib siab no li.

Yog xav paub txog Tsoom Fwv tej cai tswj txog qhov tsis pub muaj kev ntxub-ntxaug nyob rau hauv tej tsev kawm ntawv los yog saib lub District ntawd puas ua raws li txoj cai, mus cuag tau rau: Office for Civil Rights, U.S. Department of Education, 221 Main Street, Suite 1020, San Francisco, CA 94105.

Family Education Rights and Privacy Act (California State and Federal Legislation)

The Family Education Rights and Privacy Act (FERPA) outlines certain rights students have concerning access to and release of their educational records. Copies of District Administration Regulations implementing this act may be obtained from the Admissions and Records Office. Each student is encouraged to obtain a copy.

The act ensures that the students will have access to their educational records and that the college will not release their records to anyone, including any parents, who is not designated by the student to receive them, except as provided by the law itself.

The law authorizes the release of directory information in the absence of student objection. Directory information includes: name, address, date and place of birth, major field of study, current class schedule, participation in activities, dates of attendance, degrees and awards received, and last institution attended. Objection, if any, to the release of this information may be made at the time the student applies for admission or at registration (see Application for Admission p.4, item #31).

Sexual Harassment Policy

It is the policy of the governing board that the State Center Community College District shall maintain a working and learning environment free from sexual harassment of its students, employees, and those who apply for student or employee status. All students and employees should be aware that Fresno City College, Reedley College, Clovis Community College, Madera Community College, and the State Center Community College District are concerned and will take action to eliminate sexual harassment. Sexual harassment is conduct subject to disciplinary action.

Harassment on the basis of sex is a violation of Section 703 of Title VII of the 1964 Civil Rights Act, which is enforced by the Equal Employment Opportunity Commission. Sexual harassment is included among legal prohibitions against discrimination. Title IX of the Educational Amendments of 1972 also establishes sexual harassment as discriminatory and unlawful.

Sexual harassment includes such behavior as sexual favors, and other verbal or physical conduct of a sexual nature directed towards an employee, student, or applicant when one or more of the following circumstances are present:

1. Submission to or toleration of the conduct is an explicit or implicit term or condition of employment, appointment, admission or academic evaluation.
2. Submission to or rejection of such conduct is used as a basis for a personnel decision or an academic evaluation affecting an individual.
3. The conduct has the purpose or effect of interfering with an employee's work performance, or creating an intimidating, hostile, offensive, or otherwise adverse working environment.
4. The conduct has the purpose or effect of interfering with a student's academic performance, creating an intimidating, hostile, offensive, or otherwise adverse learning environment, or adversely affecting any student.

In determining whether conduct constitutes sexual harassment, the circumstances surrounding the conduct will be considered.

Persons who seek information and/or resolution of alleged acts of sexual harassment are directed to contact the Dean of Instruction and Reedley College Title IX Officer and Section 504/ADA Coordinator at 995 N. Reed Ave., Reedley, CA 93654, (559) 494-3059.

Change of Address or Telephone Number

Students who have a change of address or telephone number can update their changes via Self-Service in their student portal.

Social Security

Students receiving benefits from Social Security must be enrolled as full-time students (12 units for regular semester and 4 units for summer session). Students who drop below the required number of units must notify the Social Security Office; payments will cease as of the month reported.

Other Policies

Additional policies are included in the State Center Community College District policy manual. Manuals are on file and may be consulted in the Reedley College Library, and the offices of the President, the Vice President of Instruction, the Vice President of Student Services, and the Vice President of Administrative Services.

Student Support Services

Academic Support Services

LEARNING CENTER

Located in the Library building, room 111

Generally open Monday through Thursday from 8:00 a.m. to 5:00 p.m., and Fridays from 8:00 a.m. to 3:00 p.m.

The Learning Center provides free individual and small group tutoring, facilitated study groups and Supplemental Instruction sessions. Learning assistance (tutoring) is available in most subject areas; assistance is also available for basic computer skills needed for using email, WebAdvisor and Canvas. A staff of qualified and trained peer tutors is ready to help students strengthen subject matter knowledge and develop skills that lead to resourceful, life-long learning. For more information, stop by or call (559) 494-3058.

MATH CENTER

Located in the Math and Science building, room 123

Generally open Monday through Thursday from 8:00 a.m. to 4:00 p.m., and Fridays from 8:00 a.m. to 12:00 p.m.

The Math Center offers specialized drop-in tutoring to Reedley College students who are enrolled in math or math-related courses. Students have access to whiteboards, laptops, and free Wi-Fi while using the Math Center. The center provides a math instructor as well as several well-qualified student tutors to assist students with homework and test preparation. The Math Center also offers workshops on specific math topics throughout the semester to reinforce what students learn in the classroom. The Math Center is a great place to learn, study, and get the help needed for success sin math. For more information, stop by or call (559) 494-3000 ext. 3158.

READING & WRITING CENTER

Located in the Library building, room 115

Generally open 8:00 a.m. to 4:00 p.m. Monday through Thursday and 8:00 a.m. to 12:00 noon on Friday.

The RWC offers three types of peer based tutoring services including walk-in appointments, standing small group tutoring, and online consolations. Students are encouraged to come in and register for small group services, and to call ahead for walk-in appointments at 494-3000, ext. 3619. Online consultations are also available: rc.writingcenter@reedleycollege.edu. Students must submit paper prompt along with specific questions for the tutor. We welcome reading/writing assignments for any academic subject and look forward to helping build each RC student's success.

Bookstore

The Reedley College Bookstore is operated for the convenience of students. The store carries student textbooks, supplies and other articles of interest to the college community. Business hours for the Reedley College Bookstore are 8:00 a.m. to 5:00 p.m. Monday through Thursday and 8:00 a.m. to 12:00 p.m. on Fridays. During summer schedules, Reedley College's Bookstore is open on a shortened day schedule. The store is not open in the evening. Please refer to the bookstore website for exact dates and times.

REFUND POLICY

1. A receipt is required. Students must present their current cash register receipt with the correct dollar amount of the merchandise during the stated refund period. No refund will be given without the original receipt. Students have 5 working days from the date on the receipt to return textbooks and 30 days for non-textbook items.
2. All sales are final on scantrons, tradebooks/novels, study aides and various electronics and software (if opened).
3. A full refund is given when a class has been canceled by the College and textbook(s) are in the same conditions as initially bought. In other cases, there may be a 10% handling/ restocking charge.
4. Refunds will be issued in the same manner as paid (if paid with a credit/debit card - refund will be made to credit/debit card, not cash.)
5. Textbook condition: Books must be in new condition, clean, free of all marks and erasures. Soiled, creased or marked books will be considered a "used" book and will be refunded at he used price (75% of new book price). Wrapped, loose-leaf textbooks, e-books or boxed merchandise are non-refundable once opened.
6. Used textbooks are sold "as is." Because these books have been used by other customers prior to sale, the Bookstore cannot guarantee the life expectancy of any used books. Used textbooks must be returned in salable condition.
7. Access codes are non-returnable if opened or if codes are exposed.

8. No refunds will be given during the last four weeks of instruction of any term.
9. The Bookstore reserves the right to make the decision on the condition or saleability of the merchandise. Personal checks are accepted with valid I.D. and student identification number. There is a $25 service charge for all returned checks. Checks not clearing will result in a hold on student records. The Bookstore also accepts VISA, MasterCard, Discover Card, and American Express. Textbooks can be ordered on-line at http://mycampushub.com. Shipments cannot be mailed to P.O. boxes. For further information, call (559) 494-3034.

Business Services Office

The Business Services Office is responsible for collecting and disbursing money on the Reedley College campus. This includes collecting fees for parking permits, registration fees, ASG card, and the disbursement of financial aid and payroll checks. The Business Services Office is located in the Student Services Building. Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Telephone (559) 494-3042 or email to rc.bso@reedleycollege.edu.

Cafeteria

The Tiger Café provides appetizing food in pleasant surroundings to staff and students. Meals and snacks are available throughout the day. The café is currently open: 7:30am-5:00pm Monday -Thursday and 7:30am-2:30pm Friday. For further information, call (559) 494-3021.

CalWORKs Program

CalWORKs stands for California Work Opportunities and Responsibility to Kids. Anyone who is receiving cash aid from a county welfare department may be eligible. The CalWORKs Program provides academic counseling, employment training, career counseling, child care, work study, and work experience. Each week students must participate in 32 hours of learning and work activities. For more information, call (559) 494-3504.

Child Development Center Lab School

A nationally accredited, licensed child care facility is available for students and staff, with students having priority. Our center has three classrooms. The infant class provides care for children ages 6 weeks – 17 months. The toddler class offers care for children ages 18 months – 30 months and our preschool class offers care for children ages 31 months – five years of age. The Child Development Center and Lab School is a teacher training, research and demonstration center that provides an opportunity for the college's child development students to plan, prepare and teach in a classroom under the supervision of early childhood education instructors and mentors.

Applications to enroll a child are available at the lab school office or may be obtained on the Reedley College website. Registration is ongoing and children are enrolled based on availability. The Lab School follows the campus schedules and observes all campus holidays. You can find us on the North end of the campus. Our regular hours of care are: Monday through Thursday 8 a.m. to 4 p.m. and Friday 8 a.m. to 12 p.m. For enrollment information call (559) 494-3000, ext. 3127.

College Police

The State Center Community College District maintains a college police department for the protection and safety of all people and property of the college district. All campus officers are certified by the California Peace Officer Standards and Training Commission and have the same powers and restrictions as any other law enforcement officer.

Furthermore, the SCCCD Police Department will investigate any incidents that may hinder or obstruct the educational and administrative process of the college. To report suspicious activities or ask for police assistance, call the Campus Police at (559) 244-6140.

Counseling and Guidance

The Counseling Center provides comprehensive counseling services to assist students toward a successful college experience. Counselors help promote student development and success by coordinating quality services and programs that are focused on students' needs. The programs are designed to provide each student with individualized help in assessing personal interests and abilities, along with resolving personal issues and adjusting to college life.

The goal of the Counseling Center programs is to facilitate the process by which students choose the appropriate courses and programs of study in order to earn a degree or certificate, transfer to a four-year university, and/or complete a vocational program. Counselors provide academic advising and assist students in the selection of courses and majors, along with developing a student education plan to achieve their educational goals. Counselors are available by appointment or on a walk-in basis. The Counseling Center is located in the Student Services Building. Regular hours are Monday-Friday 8 a.m. to 5 p.m. For more information, call (559) 494-3037.

TRANSFER CENTER

The Transfer Center assists students with the transition from Reedley College to a baccalaureate level college or university. The center provides a variety of informational resources for students about the Universities of California, California State Universities, California private colleges, and many out of state colleges. Additionally, the Transfer Center sponsors field trips each semester to visit baccalaureate level colleges within California. The Transfer Center is located in FEM-1. For more information, call (559) 494-3000, 3234.

CAREER SERVICES

Career Services are available to all Reedley College students and alumni. Services include self assessments, major and career exploration, career counseling appointments, career and employability resources, an online job board, mock interviews, and job development appointments. Additionally, multiple career related activities, events, and workshops are hosted each year. Please refer to our webpages for more information. Career Services: https://www.reedleycollege.edu/student-services/career--employment-center.html

The Reedley College Career and Employment Center is located in FEM-1. For more information, call (559) 494-3543.

Disabled Students Programs and Services (DSP&S)

Disabled Students Programs and Services provide specialized counseling, support services, and resources to students with temporary or permanent disabilities. Regular hours are 8 a.m. to 5 p.m., Monday through Friday. Disabled Students Programs and Services is located in the Disabled Students Programs and Services Building. Handicapped parking is available behind the building. For more information about services at Reedley College.

LEARNING DISABILITY SERVICES

If you have a learning disability or suspect that you might have one, contact Disabled Students Programs and Services for more information about what services are available to help you. Contact Disabled Students Programs and Services at (559) 494-3032.

HIGH TECH CENTER

Adapted computer equipment is available in the High Tech Center which is located in the Disabled Students Programs and Services Building. Training, assistance, and resource information in the use of adaptive computer technology and assistive software programs for students with disabilities are available. For more information, contact Disabled Students Programs and Services at (559) 638-0332.

DEVELOPMENTAL SERVICES CLASSES

Disabled Students Programs and Services (DSP&S) at Reedley College offers a wide range of classes developed specifically for the student with a disability. These courses are offered for non-degree applicable credit under Developmental Services. See the Course Descriptions for a listing of courses or a DSP&S counselor for information on current offerings.

WORKABILITY III

Workability III (WAIII) is a collaborative project between Reedley College and the California State Department of Rehabilitation to provide services to students with disabilities that improve access to vocational experiences. From orientation, classroom instruction & personal/career counseling, to gaining work experience & support for implementation of the Individual Plan of Employment (IPE), the program focuses on providing direct services to assist participants in gaining employment. For more information, contact the WAIII Counselor/ Coordinator at (559) 494-3032.

STUDENT SUPPORT SERVICES PROGRAM (SSS)

The Student Support Services Program is a 100% federally funded TRiO Program. It is designed to provide enrichment services that will alleviate the educational and social barriers which prevent students with disabilities from succeeding at the post-secondary level. Through the delivery of comprehensive academic, social, and personal services, the Student Support Services Program will promote and increase the retention and transfer rates of Reedley College's students with disabilities. Services include, but are not limited to, tutorial support, transfer counseling, educational workshops, supplemental grant aid and transfer tours. For more information, contact the SSS counselor/ coordinator at (559) 494-3526.

TRANSITION TO COLLEGE PROGRAM

DSP&S Transition to College Program provides outreach and support to local high school seniors on an IEP/504 plan. The program is designed to connect high school students with disabilities with services through DSP&S prior to graduating high school. For more information, contact the TTC Counselor/ Coordinator at (559) 494-3032.

Extended Opportunity Programs and Services (EOPS)

The Reedley College EOPS programs is a program administered within the Student Services division. EOPS is a state funded "categorical" program that provides comprehensive support services to first generation college students who come from low-income and educationally disadvantaged backgrounds. "Over and Above" services are directed at students affected by language, social, and economic inequities; and have historically been underrepresented in institutions of higher learning. The primary objective is to assist, guide, and support eligible full-time students in the pursuit of their educational goals. Specifically, to complete a certificate, associate degree program, and/or transfer to a four-year university.

NEXTUP PROGRAM

The NextUp Program is a supplemental component of the EOPS program designed to increase the enrollment, retention, and transfer of foster youth attending college. The NextUp Program assists current and former foster youth transition into a higher education setting. Reedley College is committed to providing these students with comprehensive support services that will support and contribute to a positive learning experience. The goal is to provide students with a sense of community on campus, along with providing access to college programs and resources that can lead to degree attainment and transfer to four-year universities. The NextUp Program expands on the services provided by EOPS to provide foster youth with an enhanced level of academic support and financial aid.

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)

The CARE program is a supplemental component of EOPS and provides educational support services for students who are the single head of household and are receiving "cash aid" through the county Temporary Assistance for Needy Families (TANF) program. Students must first meet EOPS program eligibility requirements and be enrolled as a full-time student prior to participating in the CARE program. Student participants are eligible to receive EOPS support services with additional services exclusive of typical services provided. This includes intrusive counseling services and allowances for educationally related expenditures to assist them in completing their educational goals.

The Reedley College EOPS/NextUp/CARE office is located in the Center for Student Success (CSS1-3). Office hours are Monday-Friday 8:00 a.m. to 5:00 p.m. For more information, please contact (559) 494-3040.

Financial Aid

The Financial Aid Office is committed to assisting students who might otherwise be unable to continue their education because of limited financial resources. Reedley College provides financial assistance through scholarships, grants, job opportunities, and loans.

FINANCIAL AID AND SCHOLARSHIPS

The following programs are available to qualified students:

- Federal Pell Grants
- Federal Work Study
- Federal Supplemental Educational Opportunity Grants
- Student Success Completion Grants
- Federal Direct Student Loans
- Federal Direct Plus Loans
- California College Promise Grants (CCPG)
- Free College Promise Grants
- Cal Grants
- Extended Opportunity Program and Services (EOPS)
- Bureau of Indian Affairs Scholarships
- Other Institutional and Noninstitutional Scholarships
- Student Support Service Grants

To apply for financial aid applicants must complete the Free Application for Federal Student Aid (FAFSA), or the California Dream Act Application (CADAA). Either of these applications can be used to determine a student's eligibility for the California College Promise Grant (CCPG) or the Free College Promise Program. To complete your FAFSA, go to www.fafsa.gov. To complete a California Dream Act application, go to https://dream.csac.ca.gov. The FAFSA or CADAA must be completed annually and are available October 1 for the following academic year. The priority filing deadline and Cal Grant deadline is March 2. Students who file their application by this date and submit all requested documents by June will be considered first in the award process.

RETURN OF TITLE IV FINANCIAL AID FUNDS

Students who drop/withdraw from all of their classes prior to the 60% point of the semester or receive all unsatisfactory grades ("F", "NP", "I", "EW", "W") will be reviewed by the Financial Aid Office to determine if all or a portion of their aid must be repaid for that semester.

SATISFACTORY PROGRESS FOR FINANCIAL AID

To be eligible to receive federal and state financial aid, Reedley College students must be enrolled in an eligible program for the purpose of completing an AA/AS/AA-T/AS-T degree, or an approved certificate program.

Students must maintain a minimum cumulative grade point average (GPA) of 2.0 and complete at least 67 percent of their units attempted. Students may not continue to participate in financial aid programs after they have attempted 90 units (excluding up to 30 remedial units and ESL units).

Students who received less than the minimum GPA requirement or fail to complete at least 67 percent of the cumulative units attempted, will lose their financial aid eligibility until they reestablish satisfactory progress. Financial Aid Progress standards are separate and apart from the institutional academic satisfactory progress standards.

Students may submit a written appeal to the Financial Aid Office to continue their financial aid eligibility. The Financial Aid Appeals Committee reviews all appeals. Appeals requires a Student Education Plan (SEP) signed by the counselor and an explanation of why the minimum requirements were not met. You can view the SAP policy on our website http://www.reedleycollege.edu/financialaid.

SUMMER FINANCIAL AID

Summer financial aid, including Pell Grants, is available to eligible students. As the summer sessions cross over two financial aid years, all students should apply for financial aid for current 2022-23 academic year as well as the upcoming 2023-2024 academic year. The Financial Aid Office will determine from which year your aid will be processed.

Academic Progress Standards for the California College Promise Grant (CCPG) Program:
Students qualifying for the California College Promise Grant (CCPG) Program must meet minimum academic and progress standards adopted by the Board of Governors.

- Loss of Fee Waiver will occur if a student has two consecutive primary terms (fall and spring) of not meeting cumulative Academic (2.0 GPA or above) or Progress standards (more than 50% Completion Rate).
- Students will be notified of loss of the Fee Waiver within 30 days of the end of the term.
- Students will have the right to appeal the loss of the Fee Waiver along with Priority Enrollment.
- Students will have their CCPG/Enrollment Priority reinstated if they:
    - Meet minimum Academic/Progress Standards
    - Successfully Appeal
    - Sit out two consecutive primary terms

AYUDA FINANCIERA

La oficina de ayuda financiera está comprometida a brindar asistencia a estudiantes que sin dicha ayuda serían incapaces de continuar su educación superior a causa de recursos económicos limitados. El colegio de Reedley provee ayuda financiera al mayor número de estudiantes posible a través de becas, préstamos y oportunidades de trabajo.

AYUDA FINANCIERA Y BECAS

Los siguientes programas están disponibles para los estudiantes que califiquen:

- Beca Federal Pell
- Programa Federal de trabajo y studio
- Beca Suplementaria Federal para la Oportunidad Educacional
- Préstamo Federal para Estudiantes
- Asistencia de Colegiatura
- Beca Cal (Cal Grant) de California o Promesa para colegios de California
- Programas y Servicios de Oportunidad Extendidos (EOPS)
- Departamento de Becas en Asuntos Indios
- Otras becas Institucionales y no- Institucionales
- Servicio Substantivo de apoyo para Estudiantes
- Beca estudiantil de finalización exitosa

Para solicitar ayuda financiera, los aplicantes deben completar la solicitud gratuita para ayuda estudiantil Federal (FAFSA), o la aplicación Dream Act de California (CADAA). Cualquiera de estas solicitudes puede ser utilizada para determinar si un estudiante es elegible para la beca de colegiatura "Promesa para los colegios de California" (CCPG) o para el programa "Promesa de Colegio Gratuito". Para completar su solicitud FAFSA, diríjase a la página www.FAFSA.gov. Para completar la solicitud Dream Act de California, diríjase a https://dream.csac.ca.gov. La solicitud FAFSA o CADAA debe ser completada anualmente y está disponible a partir del primero de octubre para el año escolar siguiente. La fecha límite para prioridad y la fecha límite para las becas cal (cal grant) es el 2 de marzo. Los estudiantes que envíen sus solicitudes antes de esta fecha y entreguen todos los documentos que se les pidan antes de junio serán considerados primero cuando se comiencen a premiar las becas.

REEMBOLSO DE AYUDA FINANCIERA FEDERAL A CAUSA DE DESERCIÓN

Si un estudiante decide retirarse de todas sus clases antes de concluir al menos el 60% del semestre, el estado de su ayuda financiera será recalculado por la oficina correspondiente para determinar si la ayuda financiera recibida debe ser reembolsada al gobierno federal de manera total o parcial.

PROGRESO SATISFACTORIO PARA LA AYUDA FINANCIERA

Para ser elegible para recibir ayuda financiera federal y estatal, estudiantes tienen que estar matriculados en un programa elegible, un AA/AS/AA-T/AS-T certificado.

Los estudiantes deben mantener un promedio acumulado mínimo (GPA) de 2.0 y completar al menos el 67 por ciento de las unidades a las que se inscriben. Los estudiantes no pueden continuar recibiendo en programas de ayuda financiera después de que han intentado 90 unidades (excluyendo hasta 30 unidades correctivas y ESL). Los estudiantes que obtengan menos del requisito mínimo de GPA o fallen en completar al menos el 67 por ciento de las unidades intentadas perderán su elegibilidad para ayuda financiera hasta restablecer el progreso satisfactorio. Las normas de progreso de ayuda financiera son distintas y están separadas de las normas de progreso académico institucional debido a las regulaciones federales.

Si durante el semestre hubo alguna situación que les impidió tener un progreso académico satisfactorio, los estudiantes podrán presentar una apelación por escrito a la oficina de ayuda financiera. El comité de apelación revisa todas las apelaciones. Las apelaciones requieren un Plan de Educación para el Estudiante (SEP) firmado por el consejero y una explicación de por qué no se cumplieron los requisitos mínimos. Dependiendo de la información que haya sido proveída el comité determinará la elegibilidad del estudiante para recibir ayuda financiera.

Health Services

Health Services provides nursing assessment for ill or injured students, family planning services, and preventative health screenings. Students may be referred to local medical providers for further care at reasonable costs. Students with a chronic medical condition can make an appointment with the nurse to develop a Health Action Plan in case of an emergency on campus. Insurance information is available to students and their families. Tuberculin skin tests and TB Risk assessments are given in the nurse's office, and the influenza vaccine is offered during the flu season. Hearing and vision tests are available with an appointment. Timely health seminars and wellness activities are sponsored throughout the year. Confidential professional counseling is offered through Psychological Services. All services are covered by the health fee. Call (559) 494-3028 or email healthservices@reedleycollege.edu for more information.

PSYCHOLOGICAL SERVICES

The goal of Psychological Services is to assist students who experience interpersonal or personal difficulties during their college stay so they can remain effective in their educational pursuit. Psychological counseling is available for a variety of problems, including issues stemming from:

- Adjustment to college life
- Depression and anxiety
- Relationships and communications skills
- Stress and anger management
- Mental illness
- Substance abuse
- Eating disorders

Psychological Services also provides crisis intervention, faculty consultation, and psychological testing/assessment. Counseling is provided by licensed psychologist(s), psychological interns and trainees. Located in the Student Services building, appointments can be made in the Nurse's office or by calling 494-3000 ext. 3210.

Housing

Choosing to live in the Reedley College Residence Hall is one of the best ways to adjust to college life while building a strong network of friends. The Residence Hall offers a variety of leadership opportunities. It is an air-conditioned, carpeted, two-story living facility with separate housing facilities for men and women. Also, rooms are available and accessible for students with disabilities. Applications are available for fall, spring, and summer. For more information on affordable campus housing, contact the Residence Hall supervisor at (559) 494-3000, ext. 3109.

Library - Learning Resources Center

The role of the Reedley College Library is to support the learning experience for students and instructors. The new library and learning resource center includes a remodeled library, an expanded computer lab and is the new home of the Tutorial Center. Library materials are available in a variety of formats. The library houses over 35,000 volumes and is organized according to the Library of Congress classification system. Bibliographic information can be accessed through the Horizon Online Catalog. The library also subscribes to over 70 print periodicals and 7 local and national newspapers. Electronically, students and instructors can access information from a variety of scholarly Online Databases. The library supports a collection of over 12,000 e-books that can be accessed online. E-books can be located by searching the online catalog. All the library's online databases can be accessed anywhere on campus by clicking on Library Services on the Reedley College main webpage (www.reedleycollege.edu/library). Most of these databases can also be accessed from home. Please come to the library for remote instructions. In the library there are computers to use for reference and research and an open computer lab. There are also two conference rooms for students to use in groups. Library and computer lab staff are available all open hours for assistance. Questions are encouraged. Library and computer lab hours are Monday-Thursday: 7:30 a.m. to 8:00 p.m., Friday: 7:30 a.m. to 3:00 p.m. and Saturday: 8:30 a.m. to 11:30 a.m. Please call (559) 494-3052 for more information.

An open computer lab is available in the library for all students. Computers are loaded with software needed for classes and general computer applications. Applications include word processing, spreadsheets, presentation software, class specific programs and Internet access. Computer lab hours are Monday-Thursday: 7:30 a.m. to 8:00 p.m., Friday: 7:30 a.m. to 3:00 p.m. and Saturday 8:30 a.m. to 11:30 a.m.

Lost and Found

A lost and found department is maintained by the Switchboard, located in the Administration (ADM) Building.

Other

STUDENT INSURANCE

All students are provided with an accident insurance policy that covers them while on campus. HEALTH INSURANCE IS MANDATORY FOR ALL INTERNATIONAL STUDENTS. Information and applications may be secured in the Health Center or Business Services Office in the Student Services Building.

Students participating in intercollegiate competition are covered by a special college-paid athletic insurance plan for athletic related injuries.

Office of Marketing and Communications

The Office of Marketing and Communications provides on- and off-campus public relations, marketing and promotion for the college including all advertising, media relations and sports information. Brochures, class schedules, the college catalog, press releases, videos, sports programs, the college website and the quarterly campus newsletter are all produced by the Office of Marketing and Communications, using the most advanced techniques in desktop publishing. The Office of Marketing and Communications also reviews all publications produced by other Reedley College campus offices prior to on- or off-campus printing.

PHOTO AND VIDEOTAPE POLICY

Reedley College takes photos of and videotapes students throughout the year. These images often include students in classrooms, study areas, athletic events, etc. Reedley College reserves the right to use these photographs as a part of its publicity and marketing efforts. Students who enroll at Reedley College do so with the understanding that these photographs might include them and might be used in college publications, both printed and electronic, and for publicity.

Student Employment

Employability services are available to all Reedley College students and alumni. Services include an online job posting system(https://www.collegecentral.com/reedleycollege),job preparation workshops, individual appointments, mock interviews, job search resources, and an annual job, internship, and volunteer fair. Posted jobs include both on-campus, student employment, and federal work study positions as well as off-campus positions that include part-time, full-time, temporary, intern, and volunteer positions. For more information, contact the Reedley College Career and Employment Center at (559) 494-3543. Interested employers can also contact rcjobs@reedleycollege.edu for job posting information.

Veterans Services

FINANCIAL ASSISTANCE

Reedley College administers a variety of educational programs for eligible veterans through the Veterans Service staff in Admissions and Records (located in the Student Service Building) or our Veterans Center (VC). The Veterans Center is located in the Student Center in room 105 and is furnished with a study space, computers, and written materials pertinent to Veteran service. The VC serves as a place for student Veterans to meet fellow student Veterans, other Reedley College student services representatives, and instructional representatives who are ready to assist them in their pursuits at our institution.

In addition, there are educational benefits for dependents (spouses and/or children) of veterans under the Survivors' and Dependents' Educational Assistance Program.

(1) Veterans who were separated from active duty with the armed forces may be eligible for educational benefits through the Veterans Administration and the following benefit programs:

- a. Post 9/11 GI Bill® – 90 Days of active duty service after Sept. 10, 2001, and are still on active duty, or if you are honorably discharged Veteran or were discharged with a service-connected disability after 30 days (Chapter 33)
- b. Montgomery GI Bill® - Active Duty Educational Assistance program (Chapter 30)
- c. Montgomery GI Bill® - Selected Reserve Educational Assistance Program (Chapter 1606)
- d. Vocational Rehabilitation (Chapter 31) - Veterans who served in the Armed Forces are eligible for vocational rehabilitation if they suffered a service-connected disability while on active service which entitles them to compensation, or would do so except for the receipt of retirement pay. The Veterans' Administration (VA) determines a veteran's need for vocational rehabilitation to overcome the handicap of their disabilities.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at http://www.benefits.va.gov/gibill.

(2) Spouses and/or children of the following categories of veterans may be eligible for the Dependents' Educational Assistance Program:

- a. Veterans who died or are 100 percent permanently disabled as the result of a service-connected disability. The disability must arise out of active service in the Armed Forces.
- b. Veterans who died from any cause while such service-connected disability was in existence.
- c. Service persons missing in action or captured in the line of duty by a hostile force.
- d. Service persons forcibly detained or interned in the line of duty by a foreign government or power.

Veteran and Veteran dependent students can learn more about each Veteran Education Benefit at https://www.va.gov/education/about-gi-bill-benefits/

APPLICATION PROCESS

To apply for any of these benefits, students must apply with the Veterans Administration at this link https://www.va.gov/education/how-to-apply/. Students will also need to complete an application packet which is available through our Veterans Services staff, or at our Veterans Center. In addition, students must meet with an academic counselor and have a Veterans Student Education Plan completed for the major they are declaring.

APPROVED MAJORS

Almost all AA, AS, AA-T, AS-T and certificate programs at Reedley College are approved majors for veterans education benefits. Additionally some articulated transfer programs to the CSU and UC systems as well as private institutions have been approved. Students should inquire about their particular major at the time of application.

EVALUATION OF PREVIOUS EDUCATIONAL/ TRAINING CFR S21.4253 (D) (3)

As required by federal law Reedley College will conduct an evaluation of previous education and training, grant appropriate credit, and student of transfer credit granted. Students applying for veterans benefits must submit transcripts from all prior college and universities attended as well as military training transcripts PRIOR to having their benefits processed regardless of whether or not the student, counselor or certifying official believe that any transfer credit will be granted.

STANDARDS OF PROGRESS, CFR S21.4253 (D) (1) (II)

A Veteran or eligible person must meet the academic requirements detailed within the Academic Regulations sections of this Catalog. Academic/progress dismissal will result in the interruption of training and VA certification. A complete copy of the Veterans Academic Progress Policy is available in the Veterans Education Benefits Office or by written request.

VETERANS DEPENDENT FEE WAIVER

Dependents of veterans with disabilities (spouses and/or children) may be eligible to receive tuition free assistance at any California post-secondary educational institution (California Community College, California State University, and/or University of California). Additional information may be obtained from a Veteran Service Office and to look for a County Veterans Service Office in your area go to this link https://www.calvet.ca.gov/VetServices/Pages/CVSO-Locations.aspx

PENDING PAYMENT COMPLIANCE

In accordance with Title 38 US Code 3679 (e) Reedley College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I.Bill® or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA. Reedley College will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA Certificate of Eligibility (COE);
- Submit completed certification request packet;
- Provide additional information needed to properly certify the enrollment as determined by School Certifying Official.

Student Activities

Student Government/Associated Students

The Associated Student Government (ASG) is the student government of the college. Students have the option of purchasing a Tiger One Card. This card is also used in the Reedley College Cafeteria, Computer Lab for printing, Library for copies, as a Library card and a student body card. The Tiger One Card is available at the Reedley College Business Services Office.

The legislative power of the Associated Students is vested in an executive senate whose members are elected by the student body. This senate is composed of student body officers and student representatives. Officers must meet the grade requirements as stated in the constitution.

The student representative fee, collected at the time of registration, supports advocating for students at the local and state level. The ASG's executives exert budgetary control and determines management policy for all operations, services, and activities sponsored by the ASG. The Student Senate meets in the Student Center. All interested persons are encouraged to attend. For further information, please contact the Student Activities Office at telephone number (559) 494-3000, extension 3678.

CLUBS AND ORGANIZATIONS

The college's many clubs and organizations provide opportunities for personal development, leadership training, and enrichment of college life. The various organizations include service organizations, religious affiliations, professional interests, athletics, and other special interest clubs. New clubs are formed to meet the needs and special interests of students.

For information on how to start a campus club and/or a current list of campus organizations, stop by the Student Activities Office or call (559) 494-3000, extension 3678.

ORGANIZATION OF NEW CLUBS

To be officially recognized, a club must complete paperwork from the Student Activities Office, hold regular meetings, have an approved constitution, and a faculty advisor. Those considering organizing a new club must consult with the Student Activities Office.

Athletics

Intercollegiate athletics are available to students at Reedley College who wish to participate. Reedley College is a member of the Central Valley Conference in all sports except football, tennis, and equestrian. The football team is a member of the Northern California Football Association, the men's and women's tennis teams are members of the Big 8 Conference, and the equestrian team is a member of the Intercollegiate Horse Show Association. All sports are governed by the California Community College Commission on Athletics.

Individuals involved in Reedley College's intercollegiate programs have the unique opportunity to gain leadership skills and pursue their academic and athletic goals while representing Reedley College in athletic competition.

Women's intercollegiate sports include volleyball, basketball, soccer, softball, tennis, golf, and equestrian. Men's intercollegiate sports include football, basketball, baseball, tennis, and golf.

STUDENT-ATHLETE RETENTION PROGRAM (S.A.R.P.)

The Reedley College athletic teams have an athlete retention program called the Student-Athlete Retention Program or S.A.R.P. The S.A.R.P. was established to monitor the academic progress of each student-athlete, and prepare each student-athlete to transfer to a four-year institution academically and athletically. All student-athletes must participate in this program while they are members of any RC athletic team.

All students entering have two years of eligibility at the community college level and must be enrolled in 12 units while competing. Nine of those 12 units must be in academic units. A student athlete must maintain a 2.0 grade point average and pass 24 units to participate as a sophomore.

Publications

Students have the opportunity to work on the annual literary magazine, Symmetry, which is published by students in select English courses, and the Kings River Review, which students may create through the English 15J course.

Music Activities

Reedley College has performing ensembles open to all students, including Choir, Concert Band, Orchestra, and Chamber Ensembles. Participating in music ensembles offers students an outlet for expression and a sense of community, and is a vibrant part of their school experience. Our ensembles perform both on and off campus each semester, and provide travel and touring opportunties annually. Instruments are available at no cost.

Associate Degree and Certificate Programs Table

AA-T Associate in Arts in (program) for Transfer Degree
AS-T Associate in Science in (program) for Transfer Degree

AA Associate in Arts Degree
AS Associate in Science Degree

CA Certificate of Achievement
CC Certificate of Completion
CN Certificate In
CP Certificate of Competency

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
21st Century Job Skills	R.2040.CA	CA	Business	96
Academic and Vocational English as a Second Language	R.3032.CP	CP	Communication & Languages	122
Accounting	R.2010.AS	AS	Business	86
Accounting	R.2010.CA	CA	Business	86
Administration of Justice	R.8880.AS-T	AS-T	Fine Arts & Social Science	75
Administrative Assistant	R.226B.AS	AS	Business	153
Administrative Assistant	R.226B.CA	CA	Business	154
Administrative Assistant	R.7000.CC	CC	Business	154
Advanced Welding	R.7110.CC	CC	Industrial Technology	141
Ag Technology	R.2305.CC	CC	Agriculture & Natural Resources	87
Agricultural Mechanics	R.8281.AS	AS	Agriculture & Natural Resources	145
Agricultural Mechanics	R.8281.CA	CA	Agriculture & Natural Resources	146
Agriculture & Technology	R.1031.AS	AS	Agriculture & Natural Resources	161
Agriculture Animal Science	R.1051.AS-T	AS-T	Agriculture & Natural Resources	69
Agriculture Business	R.1020.CA	CA	Agriculture & Natural Resources	87
Agriculture Business	R.1021.AS-T	AS-T	Agriculture & Natural Resources	68
Agriculture Business Management	R.102D.CA	CA	Agriculture & Natural Resources	87
Agriculture Education	R.1120.AS	AS	Agriculture & Natural Resources	87
Agriculture Education	R.1120.CA	CA	Agriculture & Natural Resources	88
Agriculture Plant Science	R.1078.AS-T	AS-T	Agriculture & Natural Resources	70
Aircraft Airframe Maintenance	R.8030.CA	CA	Industrial Technology	94
Aircraft General Maintenance	R.8020.CA	CA	Industrial Technology	94
Aircraft Powerplant Maintenance	R.8040.CA	CA	Industrial Technology	95
American Sign Language	R.5505.AA	AA	Communication & Languages	89
American Sign Language Conversational Proficiency	R.5505.CA	CA	Communication & Languages	90
Animal Science	R.1050.AS	AS	Agriculture & Natural Resources	91
Animal Science	R.1057.CA	CA	Agriculture & Natural Resources	90

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
Art History	R.5204.AA-T	AA-T	Fine Arts & Social Science	70
Art: Three-Dimensional	R.520B.AA	AA	Fine Arts & Social Science	92
Art: Two-Dimensional	R.520A.AA	AA	Fine Arts & Social Science	93
Associate Teacher	R.5641.CA	CA	Health Sciences	112
Automotive Technician	R.8050.AS	AS	Industrial Technology	93
Automotive Technician	R.8050.CA	CA	Industrial Technology	94
Aviation Maintenance Technology	R.8011.AS	AS	Industrial Technology	95
Aviation Maintenance Technology	R.8011.CA	CA	Industrial Technology	95
Backcountry Skills	R.1106.CN	CN	Agriculture & Natural Resources	125
Basic English as a Second Language	R.3011.CP	CP	Communication & Languages	122
Biological Science	R.6100.AS	AS	Science & Geography	96
Biology	R.6110.AS-T	AS-T	Science & Geography	72
Bookkeeping	R.7010.CC	CC	Business	155
Business Administration	R.2032.CA	CA	Business	96
Business Administration 2.0	R.2055.AS-T	AS-T	Business	73
Business Administration, Entrepreneur	R.2060.AS	AS	Business	97
Business Administration: Accounting	R.2062.AS	AS	Business	97
Business Administration: General Business	R.2063.AS	AS	Business	98
Business Administration: Management	R.2064.AS	AS	Business	99
Business Administration: Marketing	R.2065.AS	AS	Business	100
Business Administration-Information Systems Management	R.2061.AS	AS	Business	99
Business Foundations	R.2031.CA	CA	Business	100
Business Intern	R.204E.CA	CA	Business	100
Chemistry	R.6400.AS-T	AS-T	Science & Geography	73
Child Care for School-Age Children, Teacher	R.5642.CA	CA	Health Sciences	113
Child Development	R.5640.AS	AS	Health Sciences	113
Child Development	R.5640.CA	CA	Health Sciences	114
Civil Engineering	R.3050.AS	AS	Math, Computer Science, & Engineering	115
Civil Engineering	R.3050.CA	CA	Math, Computer Science, & Engineering	116
Coaching	R.4211.CN	CN	Health Sciences	158
Communication	R.5342.AA	AA	Communication & Languages	101
Communication Studies	R.5343.CA	CA	Communication & Languages	102
Communication Studies	R.5345.AA-T	AS-T	Communication & Languages	73
Communication Studies 2.0	R.5445.AA-T	AA-T	Communication & Languages	74

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
Computer Engineering	R.3060.AS	AS	Math, Computer Science, & Engineering	116
Computer Engineering	R.3060.CA	CA	Math, Computer Science, & Engineering	117
Computer Science	R.6921.AS	AS	Math, Computer Science, & Engineering	102
Creative Writing	R.5300.CA	CA	English	120
Criminology-Corrections	R.888B.AS	AS	Fine Arts & Social Science	109
Criminology-Corrections	R.888B.CA	CA	Fine Arts & Social Science	110
Criminology-Law Enforcement	R.888A.AS	AS	Fine Arts & Social Science	110
Criminology-Law Enforcement	R.888A.CA	CA	Fine Arts & Social Science	111
CSU GE Breadth	R.3000.CA	CA	Counseling	103
Dental Assisting	R.4540.AS	AS	Health Sciences	111
Dental Assisting	R.4540.CA	CA	Health Sciences	111
Developmental Services Certificate in Life Skills/ Workability Emphasis	R.999B.CN	CN	Developmental Services	112
Early Childhood Education	R.5647.AS-T	AS-T	Health Sciences	75
Early Intervention Assistant	R.5644.CA	CA	Health Sciences	114
Economics	R.7200.AA-T	AA-T	Business	75
Electrical Engineering	R.3070.AS	AS	Math, Computer Science, & Engineering	117
Electrical Engineering	R.3070.CA	CA	Math, Computer Science, & Engineering	118
Elementary Teacher Education	R.5847.AA-T	AA-T	Health Sciences	76
Engineering	R.3010.AS	AS	Math, Computer Science, & Engineering	118
English	R.5300.AA	AA	English	120
English	R.5301.AA-T	AA-T	English	77
Enology	R.1077.AS	AS	Agriculture & Natural Resources	162
Enology	R.1077.CA	CA	Agriculture & Natural Resources	162
Entry Level Management	R.2181.CN	CN	Business	101
Environmental Horticulture	R.1061.AS	AS	Agriculture & Natural Resources	123
Environmental Horticulture	R.1061.CA	CA	Agriculture & Natural Resources	124
Environmental Science	R.6510.AS-T	AS-T	Science & Geography	72
Equine	R.1054.CA	CA	Agriculture & Natural Resources	92
Equipment Technician Level I	R.8181.CA	CA	Agriculture & Natural Resources	146
Equipment Technician Level II	R.8182.CA	CA	Agriculture & Natural Resources	146

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
Family Child Care	R.5646.CA	CA	Health Sciences	115
Fine Arts	R.5320.AA	AA	Fine Arts & Social Science	124
Flight Science	R.8502.AS	AS	Industrial Technology	124
Forest Surveying Technology	R.6830.CA	CA	Agriculture & Natural Resources	125
Forestry	R.1210.AS	AS	Agriculture & Natural Resources	126
Forestry and Natural Resources Training	R.1107.CA	CA	Agriculture & Natural Resources	127
Forestry Technician-Fire Suppression	R.1115.CA	CA	Agriculture & Natural Resources	128
Forestry Technician-Fire Suppression	R.6010.CC	CC	Agriculture & Natural Resources	128
General Agriculture	R.1010.CA	CA	Agriculture & Natural Resources	89
General Music	R.5820.CA	CA	Fine Arts & Social Science	150
Health Care Interpreter	R.4501.CN	CN	Health Sciences	133
History	R.7380.AA-T	AA-T	Fine Arts & Social Science	78
Honors	R.5440.CN	CN	English	134
Information Systems, Information Technology Support	R.6952.AS	AS	Business	134
Information Systems, Information Technology Support Technician	R.6937.CA	CA	Business	135
Information Systems, Information Technology Support Technician	R.7020.CC	CC	Business	135
Information Systems, Networking	R.6975.AS	AS	Business	136
Information Systems, Networking (Cisco CCNA)	R.4030.CA	CA	Business	136
Information Systems, Networking (Cisco CCNA)	R.7030.CC	CC	Business	137
Information Systems, Web Development and Design	R.6981.CA	CA	Business	137
Information Systems, Web Development and Design	R.7040.CC	CC	Business	137
Information Systems, Web Development and Design Option	R.6981.AS	AS	Business	138
Instrumental Performance	R.5830.CA	CA	Fine Arts & Social Science	150
Integrated Fuels Management	R.1215.CA	CA	Agriculture & Natural Resources	129
Intermediate Academic and Vocational English as a Second Language	R.3021.CP	CP	Communication & Languages	122
Intermediate Welding	R.7210.CC	CC	Industrial Technology	141
Intersegmental GE Transfer Curriculum (IGETC)	R.3100.CA	CA	Counseling	106
Irrigation, Fertility & Pest Management Technician	R.1073.CA	CA	Agriculture & Natural Resources	163
Kinesiology	R.1270.AA-T	AA-T	Health Sciences	79

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
Liberal Arts & Sciences: Arts & Humanities	R.5120.AA	AA	Fine Arts & Social Science	139
Liberal Arts & Sciences: Natural Sciences	R.5130.AA	AA	Science & Geography	140
Liberal Studies	R.5890.AA	AA		140
Literature	R.5310.CA	CA	English	121
Machine Tool Technology	R.8382.AS	AS	Industrial Technology	142
Machinist	R.8383.CA	CA	Industrial Technology	142
Manufacturing 1	R.8394.CA	CA	Industrial Technology	142
Manufacturing Maintenance Mechanic	R.8395.AS	AS	Industrial Technology	143
Manufacturing Maintenance Mechanic	R.8395.CA	CA	Industrial Technology	143
Mathematics	R.6200.AS	AS	Math, Computer Science, & Engineering	145
Mathematics	R.6200.AS-T	AS-T	Math, Computer Science, & Engineering	79
Mechanical, Aerospace, and Manufacturing Engineering	R.3080.AS	AS	Math, Computer Science, & Engineering	119
Mechanical, Aerospace, and Manufacturing Engineering	R.3080.CA	CA	Math, Computer Science, & Engineering	119
Mechanized Agriculture	R.8180.AS	AS	Agriculture & Natural Resources	147
Mechanized Agriculture	R.8180.CA	CA	Agriculture & Natural Resources	147
Medical Administrative Assistant	R.2023.AS	AS	Business	155
Medical Administrative Assistant	R.2023.CA	CA	Business	155
Medical Administrative Assistant	R.7050.CC	CC	Business	156
Medium/Heavy Duty Truck Advanced Engines and Powertrains	R.8184.CA	CA	Agriculture & Natural Resources	147
Medium/Heavy Duty Truck Electrical and Hydraulics	R.8185.CA	CA	Agriculture & Natural Resources	148
Medium/Heavy Duty Truck Engines	R.8186.CA	CA	Agriculture & Natural Resources	148
Medium/Heavy Duty Truck Powertrain and MVAC	R.8187.CA	CA	Agriculture & Natural Resources	149
Medium/Heavy Duty Truck Service and Repair	R.8183.CA	CA	Agriculture & Natural Resources	149
MS Office	R.2303.CC	CC	Business	156
Music	R.5831.AA-T	AA-T	Fine Arts & Social Science	80
Music -- Instrumental	R.5810.AA	AA	Fine Arts & Social Science	151
Music -- Vocal	R.5820.AA	AA	Fine Arts & Social Science	151
Music Theory	R.5840.CA	CA	Fine Arts & Social Science	151
Natural Resources	R.1310.AS	AS	Agriculture & Natural Resources	129
Nursing Assistant Training	R.4510.CA	CA	Health Sciences	153
Nursing Assistant Training	R.453A.CN	CN	Health Sciences	153

PROGRAM	ACADEMIC PROGRAM ID	TYPE	DEPARTMENT	PAGE
Office Assistant	R.2021.CA	CA	Business	156
Office Assistant	R.7060.CC	CC	Business	157
Pest Control Advisor	R.1075.CA	CA	Agriculture & Natural Resources	163
Philosophy	R.5711.AA-T	AA-T	Fine Arts & Social Science	81
Philosophy	R.5711.CA	CA	Fine Arts & Social Science	158
Physical Education	R.4200.AA	AA	Health Sciences	159
Physical Science	R.6300.AS	AS	Science & Geography	160
Physics	R.3664.AS-T	AS-T	Science & Geography	82
Piano Performance	R.5850.CA	CA	Fine Arts & Social Science	152
Plant and Soil Science	R.1074.AS	AS	Agriculture & Natural Resources	164
Plant Protection Intern	R.1076.CA	CA	Agriculture & Natural Resources	165
Political Science	R.7451.AA-T	AA-T	Fine Arts & Social Science	83
Production Agriculture Technician	R.1074.CA	CA	Agriculture & Natural Resources	166
Psychology	R.7550.AA-T	AA-T	Fine Arts & Social Science	83
Receptionist	R.2024.CA	CA	Business	157
Receptionist	R.7070.CC	CC	Business	157
Recreation and Interpretation Techniques	R.1104.CA	CA	Agriculture & Natural Resources	130
Small Business	R.7090.CC	CC	Business	101
Social Science	R.7410.AA	AA	Fine Arts & Social Science	166
Sociology	R.7612.AA-T	AA-T	Fine Arts & Social Science	84
Spanish	R.5560.AA-T	AA-T	Communication & Languages	85
Studio Arts	R.5203.AA-T	AA-T	Fine Arts & Social Science	71
Technology Foundations	R.7080.CC	CC	Business	138
Utility Vegetation Management	R.4010.CA	CA	Agriculture & Natural Resources	131
Vocal Performance	R.5860.CA	CA	Fine Arts & Social Science	152
Vocational English As a Second Language - Intermediate	R.4020.CP	CP	Communication & Languages	123
Welder	R.8396.CA	CA	Industrial Technology	144
Welding Essentials	R.7310.CC	CC	Industrial Technology	144
Welding Technology	R.8396.AS	AS	Industrial Technology	144
Wildfire Resources Supervisors	R.6020.CC	CC	Agriculture & Natural Resources	132
Wildfire Resources Supervisors	R.1210.CA	CA	Agriculture & Natural Resources	131
Wildland Fire Advancement	R.1200.CA	CA	Agriculture & Natural Resources	132
Wildland Fire Science	R.1400.AS	AS	Agriculture & Natural Resources	133
World Languages	R.5502.AA	AA	Communication & Languages	167

Associate Degrees for Transfer

Associate Degrees for Transfer

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

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.

To view the most current list of Reedley College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to https://icangotocollege.com/. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

A student may earn more than one AA-T and/or AS-T degree from Reedley College. The same AA-T and/or degree cannot be awarded from more than one college in the district Please see a counselor for more information.

ASSOCIATE DEGREE FOR TRANSFER REQUIREMENTS:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
   (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

AGRICULTURE

AGRICULTURE BUSINESS (MAJOR #R.1021.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

The Associate in Science in Agriculture Business for Transfer Degree prepares students for transfer into a California State University baccalaureate degree program similar to the agriculture business area of emphasis. The degree provides students with a foundation of knowledge in agribusiness theories and principles through transfer preparatory courses in agriculture economics, computer applications, sales, communications, and accounting.

Program Learning Outcomes:

- Describe the strength, diversity, economic dynamics and opportunities of the California, U.S. and global agriculture economies.
- Communicate effectively, including use of proper presentation and promotion skills, to individuals and to groups, using oral, print and digital media.
- Utilize and apply digital/electronic technology as found in the agriculture business industry.
- Record, organize, and analyze financial and production data related to agriculture businesses.
- Determine agriculture business inputs, with an understanding of the interaction among those components, leading to accurate business planning and decision making.
- Demonstrate a breadth of knowledge of the agriculture industry that provides a base for decision making and credibility in personal interactions and career decisions.

Required Core Courses		14
AGBS 2	Agricultural Economics	3
ECON 1A	Principles of Macroeconomics	3
Select 4 units from the following physical science courses:		
PLS 2	Soils	3
	and	
PLS 2L	Soils Laboratory	1
	or	
CHEM 3A	Introductory General Chemistry	4

Select one statistics course from the following:

STAT 7	Elementary Statistics	4
MATH 11	Introduction to Statistics	4

Select 5 courses from the following: 15-18

AGBS 1	Introduction to Agriculture Business	3
AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3
BA 18	Business Law and the Legal Environment	4
BA 39	Finite Mathematics for Business	3
	or	
MATH 5A	Calculus I	5

Total Units 29-32

Advisor(s): Woodard

AGRICULTURE ANIMAL SCIENCE (MAJOR: #R.1051.AS-T) ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Program Learning Outcomes:

Upon the completion of the Reedley College Animal Science program, a student will be able to:

- Identify the skills, education, and work experiences needed to pursue his/her chosen career path.
- Maintain an up-to-date comprehensive career portfolio to include a personal résumé, cover letter, application, skills inventory, employment history, and copies of employment application and interview correspondence (thank you letters, etc.).
- Apply effective oral and written communication skills to the work environment.
- Exhibit a high level of work ethic and good time management skills.
- Work in group settings to accomplish team goals.
- Apply commonly used computer programs to the workplace.
- Utilize equipment and technology commonly utilized in the livestock industry and related fields.
- Apply ethical animal husbandry practices and industry-accepted quality assurance measures to the responsible production, processing, and marketing of livestock and animal products.
- Demonstrate basic animal management skills in regard to behavior, parturition, identification, nutrition, reproduction and health for common livestock species.
- Evaluate animal conformation and performance data in accordance with industry standards and make selection decisions, based on given scenarios, for various livestock species.

This program of study is designed for students seeking transfer to a four-year animal science degree program. Employment opportunities in animal science and related fields exist in such areas as livestock production/animal husbandry, farm/ranch management, animal nutrition, animal health, marketing, food processing/quality control, the veterinary field, and agricultural education.

Required Core Courses.....14-15

AS 1	Introduction to Animal Science	3

Select one general chemistry course

CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4

Select one economics course

AGBS 2	Agricultural Economics	3
ECON 1B	Principles of Microeconomics	3

Select one statistics course

MATH 11	Introduction to Statistics	4
STAT 7	Elementary Statistics	4

List A: Select 2 courses, 1 from each area 6-7

Animal Production

AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 21	Equine Science	3

Animal Health

AS 5	Animal Nutrition	3
CHEM 28A	Organic Chemistry I	3
CHEM 29A	Organic Chemistry Laboratory I	2

Select up to 8 additional units 8

Any course(s) not selected above

AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
AS 6	Livestock Selection and Evaluation	3
AS 10	Meat Evaluation and Processing	3
AS 67	Animals and Society	3
PLS 1	Introduction to Plant Science	3
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1

Total Units 20-30

Advisor(s): Lopes, Molyneux

AGRICULTURE PLANT SCIENCE (MAJOR #R.1078.AS-T) ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Program Learning Outcomes:

1. Comprehension and identification of the structures and functions of plant cells, organelles, tissues, organs, and integrate important plant processes such as growth, photosynthesis, respiration, and translocation with plant management practices.
2. Experience with the physical, chemical, and biological properties of soils, and the incorporation of analytical testing procedures for nutrients, moisture, and physical characteristics with economical stewardship of soil management.
3. Developed awareness of theoretical and practical applications to orchard, vineyard, and vegetable production systems with emphasis on San Joaquin Valley specifics for irrigation, fertility, cultural, and pest managements.
4. Measurable knowledge and skills of irrigation science with its effects on plant growth and development, yield and profitability, soil properties and reclamation. Additional competence developed includes predictive models and scheduling; system design, operation, and evaluation; and historical, political, and societal interactions with irrigation.
5. Understanding of the principles of integrated pest management, including population dynamics and selection, and the use of biological, chemical, regulatory, genetic, cultural, and physical/mechanical control options in a systems approach that optimizes economics and minimizes environmental side effects.
6. Competency in quantitative and qualitative data analyses related to performance of crop variety, fertilizer treatments, cultural effects, and environmental stresses. Evaluation and establishment of laboratory, test plot, and field conditions to determine if significant differences exist and can be identified.
7. Proficiency in machinery management and operation of farm equipment.
8. Demonstrate a breadth of knowledge in the agriculture industry which provides a base for effective decision making and credibility in personal interactions and career decisions.

Students successfully completing the Associate in Science in Agriculture Plant Science for Transfer Degree program will be prepared for transfer to a California State University to complete a bachelor's degree with a maximum of 60 semester units. Students will have the training for careers in management within the production agriculture industry. They will also have the practical knowledge and specific skills in plant and soil sciences required in crop management systems.

Students transferring to Fresno State must complete CHEM 3B and PLS 5. It is recommended students also complete PLS 9.

Required Courses

CHEM 3A	Introductory General Chemistry	4
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 11	Machinery Technology	3
Select one Economics course from:		
AGBS 2	Agricultural Economics	3
ECON 1B	Principles of Microeconomics	3
Select one Statistics course from:		
MATH 11	Introduction to Statistics	4
PLS 9	Biometrics	3
STAT 7	Elementary Statistics	4
Select		3
AGBS 3	Agriculture Accounting	3
CHEM 3B	Introductory Organic and Biological Chemistry	4
EH 30	Principles of Environmental Horticulture	3
PLS 3	General Viticulture	3
PLS 5	Principles of Irrigation Management	3
PLS 7	Integrated Pest Management	3
	Total Units	24-25

Advisor(s): Smith

ART

ART HISTORY (MAJOR #R.5204.AA-T) ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Art History for Transfer Degree is designed to give students a foundational understanding of art history. The primary focus is to prepare students for transfer into four-year art history programs at the California State University (CSU) system and the University of California (UC) system. Students will learn fundamental art and art historical terminology; an appreciation of the creative process; and how to analyze works of art in order to articulate the historical, social and aesthetic functions of art across cultures and geographic boundaries.

Program Learning Outcomes:
Upon completion of the Reedley College Associate in Arts Degree in Art History for Transfer Degree a student will be able to:

- Apply knowledge of art historical terminology to the description of artwork.
- Communicate effectively both verbally and in writing in order to describe and analyze the artistic contributions of diverse peoples.
- Utilize critical thinking to discuss works of art in a personal, cultural, and global context.
- Evaluate and analyze the strengths and weaknesses of an artworks effectiveness to visually communicate

Required Core		12
ART 5	Art History 1	3
ART 6	Art History 2	
	or	
ART 6H	Honors Art History 2	3
ART 7	Beginning Drawing	3
ART 26	Survey of Non-Western Art	3
List B		3
ART 3	Two-Dimensional Design	3
ART 4	Three-Dimensional Design	3
ART 9	Beginning Painting: Oil and Acrylic	3
ART 10	Beginning Wheel Throwing	3
ART 19	Intermediate Painting: Oil/Acrylic	3
List C		3
Any List A or B course not already used		
AGBS 2	Agricultural Economics	3
ANTHRO 1	Biological Anthropology	3
ANTHRO 2	Cultural Anthropology	3
ANTHRO 3	Introduction to Archaeology and Prehistory	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 5	African People in the New World	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	
	or	
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
HIST 32	History of the Mexican American People	3
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
PHIL 1D	World Religions	3
SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships	3
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 4	High-Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4NS	Spanish for Spanish Speakers	5
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3
	Total Units	18

Advisor(s): Carerra, Hicks

STUDIO ARTS (MAJOR #R.5203.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

Students completing the Associate in Art in Studio Arts for Transfer Degree will have the basic skills in 2D and 3D composition, an introductory level knowledge of Art History and Digital Art Familiarity. They will be prepared for transfer into a Bachelors of Art or Bachelors of Fine Art programs within the California State University system. Students who successfully complete the Studio Arts Transfer Degree will be prepared to enter into multiple career paths within the visual communication fields including graphic design, architecture, web-based media, animation, fine arts and more.

Program Learning Outcomes:
Upon completion of the Reedley College Associate in Arts Degree in Studio Arts for Transfer (AA-T in Studio Arts), a student will be able to:

- Apply knowledge of the elements and principles of design to the description and/or production of artwork.

- Communicate effectively in one or more of the following ways: verbally, written and visually with emphasis on concepts of content and form.
- Understand the impact of the visual arts in a personal, cultural and global context.
- Apply knowledge of techniques and media through production and description of artwork.
- Evaluate and analyze the strengths and weaknesses of an artworks effectiveness to visually communicate.
- Solve visual problems through the artistic process.

Required Core		12
ART 3	Two-Dimensional Design	3
ART 4	Three-Dimensional Design	3
ART 7	Beginning Drawing	3
Select one course from:		
ART 6	Art History 2	
	or	
ART 6H	Honors Art History 2	3
List A		3
ART 5	Art History 1	3
ART 26	Survey of Non-Western Art	3
List B		9
Select three curricular areas		
ART 9	Beginning Painting: Oil and Acrylic	3
ART 10	Beginning Wheel Throwing	3
ART 13	Beginning Watercolor Painting	3
ART 17	Intermediate Drawing	3
PHOTO 1	Basics of Digital Photography	3
	Total Units	24

BIOLOGY

BIOLOGY (MAJOR #R.6110.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

The transfer major listed here reflects the core lower division requirements for many CSU and UC campuses. Students planning to transfer should contact a counselor for more information on program and transfer requirements. The Biological Sciences transfer major is designed for students who plan to earn a bachelor's degree in Biology or a related field. This transfer major also serves as a basis for pre-medicine, pre-dentistry and pre-veterinarian students.

Program Learning Outcomes:

1. Demonstrate basic knowledge of comparative anatomy and comparative physiology.
2. Demonstrate basic microscopic techniques required for all Biology fields.
3. Critically evaluate scientific research.

BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
MATH 5A	Calculus I	5
Select one physics sequence		
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
	or	
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
	Total Units	33

ENVIRONMENTAL SCIENCE (MAJOR #R.6510.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

This Associate in Science in Environmental Science for Transfer Degree is designed for students who plan to transfer to a CSU campus to major in environmental studies and who are interested in areas such as pollution abatement, water resources, ecosystem protection, restoration, or management. The degree provides students with the knowledge, lab experience, and critical thinking skills necessary to prepare them for advanced university studies. The Associate in Science in Environmental Science for Transfer Degree provides students with a major that fulfills the general requirements of the California State University for transfer.

Program Learning Outcomes:

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

- Critically evaluate scientific information and examine its significance and impact on society and the environment.
- Demonstrate an understanding of the interdisciplinary nature of environmental issues.
- Apply knowledge of how human activities impact the physical and biological environments.

BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 13	Environmental Science	3
CHEM 1A	General Chemistry	5
ECON 1B	Principles of Microeconomics	3
GEOL 1	Physical Geology	4
MATH 5A	Calculus I	5

Select one course		4
MATH 11	Introduction to Statistics	4
STAT 7	Elementary Statistics	4
Select one sequence		8
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
or		
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
	Total Units	42

It is recommended students complete the IGETC for STEM GE Pattern

Advisor(s): Smith Bush

BUSINESS

BUSINESS ADMINISTRATION 2.0 (MAJOR #R.2055.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Students completing this degree will be prepared to transfer to a California State University in business. Students will have a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, business, economics, and statistics.

Program Learning Outcome:

- Create and interpret business documents by utilizing research and analytical skills learned in accounting, business, economics, and statistics.

ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
BA 10	Introduction to Business	3
BA 18	Business Law and the Legal Environment	4
BA 39	Finite Mathematics for Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
STAT 7	Elementary Statistics	4
	Total Units	28

CHEMISTRY

CHEMISTRY (MAJOR #R.6400.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

An Associate in Science in Chemistry for Transfer Degree is designed for students who plan to complete a bachelor's degree in a similar major at a CSU campus. An Associate in Science in Chemistry for Transfer Degree will develop a student's ability to collect, record, organize, analyze, critically evaluate, and interpret chemical information and data. The student will learn how to apply appropriate theories and techniques, to solve quantitative and qualitative problems. The program will also involve learning how to use computational and critical thinking skills, applying concept knowledge, and effectively communicating scientific information. These skills and this set of knowledge will be valuable to a student transferring to a CS to major in chemistry. It will also enhance a student's preparation to go on to earn a graduate degree as well as a wide range of rewarding careers.

CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
	Total Units	37

Recommend IGETC for STEM

COMMUNICATION

COMMUNICATION STUDIES (MAJOR #R.5345.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The College Associate in Arts Degree in Communication Studies for Transfer is designed to prepare students to continue studies toward a B.A. degree in Communication or for entry level into a variety of career options that require competent and ethical communication skills. Students who pursue advanced communication degrees enjoy diverse employment that can range from College professor in Communication to Public Relations or a career in Mass Communications such as radio and television. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

Program Learning Outcomes:

- Construct and deliver presentations with communicative competence and confidence.
- Demonstrate the dynamics of effective communication in a variety of settings and contexts.

Core		3
COMM 1	Public Speaking	
	or	
COMM 1H	Honors Public Speaking	3
List A		6
COMM 2	Interpersonal Communication	3
COMM 8	Group Communication	3
COMM 25	Argumentation	3
	or	
COMM 25H	Honors Argumentation and Debate	3
List B		6
Any course from List A not used		3
COMM 4	Persuasion	3
COMM 10	Intercultural Communication	3
COMM 12	Fundamentals of Interpretation	3
COMM 15	Computer-Mediated Communication	3
COMM 18	Introduction to Communication Theory	3
List C		3
Any course from List A or B not used		3
ENGL 1B	Introduction to the Study of Literature	3
	or	
ENGL 1BH	Honors Introduction to the Study of Literature	3
JOURN 1	Introduction to Mass Communications	3
PHIL 2	Critical Reasoning and Analytic Writing	3
	Total Units	18

COMMUNICATION STUDIES 2.0 (MAJOR #R.5445.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The College Associate in Arts Degree in Communication Studies 2.0 for Transfer is designed to prepare students to continue studies toward a B.A. degree in Communication or for entry level into a variety of career options that require competent and ethical communication skills. Students who pursue advanced communication degrees enjoy diverse employment that can range from College professor in Communication to Public Relations or a career in Mass Communications such as radio and television. Communication courses focus on how people use messages to generate meaning within and across various contexts,cultures, and channels.

Associate in Science for Transfer Degree Requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  (A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth).
  (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. Students must earn a "C" or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

Program Learning Outcomes:

Upon the completion of the Reedley College Animal Science program, a student will be able to:

1. Construct and deliver presentations with communicative competence and confidence.
2. Demonstrate the dynamics of effective communication in a variety of settings and contexts.

COMM 1	Public Speaking	
	or	
COMM 1H	Honors Public Speaking	3
COMM 2	Interpersonal Communication	3
COMM 25	Argumentation	3
	or	
COMM 25H	Honors Argumentation and Debate	3
Select 3 courses		9
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 10	Intercultural Communication	3
COMM 12	Fundamentals of Interpretation	3
COMM 15	Computer-Mediated Communication	3
COMM 18	Introduction to Communication Theory	3
JOURN 1	Introduction to Mass Communications	3
	Total Units	18

CRIMINOLOGY

ADMINISTRATION OF JUSTICE (MAJOR #R.8880.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Program Learning Outcomes:

- Recognize the functions of the Criminal Justice System
- Be able to calculate how to work within a constitutional framework

The Associate in Science Degree in Criminology prepares students for transfer into a four-year degree at any of the California State Universities campuses. The criminology program is the study of the causes, consequences and control of crime and is focused on either the study of Law Enforcement or Corrections. While the program's curriculum allows for the development of depth in one of the subjects substantive subsystems i.e. law enforcement, juvenile, courts, investigations, corrections or probation and parole, our goal is to familiarize students with activities which focus on their area of choice Law Enforcement or Corrections.

Successful completion of the Associates in Science Degree in Criminology Associate in Science Degree for Transfer guarantees the student acceptance to a California State University but does not guarantee acceptance to a particular campus or major to pursue a baccalaureate degree, in preparation to pursue a career in the field of Law Enforcement, Corrections, or any related field i.e. Criminal Research, Law, Forensic Criminology, Public Safety or Private/Industrial Security.

Required core courses		6
CRIM 1	Introduction to Criminology	3
CRIM 6	Criminal Law	3
List B choose two of the following courses		6
CRIM 3	Legal Aspects of Evidence	3
CRIM 4	Principles & Procedures of the Justice System	3
CRIM 5	Community Relations	3
CRIM 8	Criminal Investigations	3
CRIM 11	Juvenile Delinquency	3
CRIM 20	Introduction to Corrections	3
List C - Choose any two of the following courses		6
PSY 2	General Psychology	
	or	
PSY 2H	Honors General Psychology	3
SOC 1A	Introduction to Sociology	3
STAT 7	Elementary Statistics	4
	or	
MATH 11	Introduction to Statistics	4
	Total Units	18

EARLY CHILDHOOD EDUCATION

EARLY CHILDHOOD EDUCATION (MAJOR #R.5647.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Majoring in Child Development prepares students for jobs in a variety of early care and education settings as well as in related fields working with children and families. The Associate in Science in Early Childhood Education for Transfer degree is designed for students who plan to complete a bachelor's degree in a similar major at the CSU campus.

ECE 1	Principles and Practices of Teaching Young Children	3
ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE 5	Observation and Assessment	3
ECE 6	Health, Safety and Nutrition in Early Childhood Education	3
ECE 7	Diversity and Culture in Early Care and Education Programs	3
ECE 8	Early Childhood Practicum	4
	Total Units	25.5

Advisor(s): Davidson, Marsh, Swallow

ECONOMICS

ECONOMICS (MAJOR #R.7200.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Economics for Transfer Degree is designed for students who plan to complete a bachelor's degree in a similar major at a CSU campus. This degree will acquaint students with the fundamentals of economic thinking and the principle concepts and theories of macroeconomics and microeconomics. Additionally, the degree will offer students the math and statistics preparation required for upper division coursework in economics.

Required Core		15
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
MATH 5A	Calculus I	5
Select one statistics course		
MATH 11	Introduction to Statistics	4
STAT 7	Elementary Statistics	4

List A: Select 1 course 3-5
ACCTG 4A Financial Accounting 4
ACCTG 4B Managerial Accounting 4
BA 39 Finite Mathematics for Business 3
BA 18 Business Law and the Legal Environment 4
CSCI 40 Programming Concepts and Methodology I 4
IS 15 Computer Concepts 3
IS 47 Visual Basic 3
MATH 17 Differential Equations and Linear Algebra 5
MATH 5B Calculus II 4
List B: Select one course 3-5
Any List A course not already used
MATH 6 Calculus III 5
Total Units 21-25

ELEMENTARY TEACHER EDUCATION

ELEMENTARY TEACHER EDUCATION (MAJOR #R.5847.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts Degree in Elementary Teacher Education for Transfer prepares students for transfer into a baccalaureate level degree at any of the California State University campuses. The Elementary Teacher Education program prepares students for jobs teaching in the Kindergarten through eighth (-8) grades in the public and private education system. While the programs curriculum allows for the development of knowledge and skills in the subject matter taught in the -8 grades, students must ultimately complete a multiple subject credential usually after their Bachelor's degree in addition to passing the CBEST and CSET exams.

Required Core courses 41-47
BIOL 10 Introduction to Life Science Lecture and
BIOL 10L Introduction to Life Science Lab 4
COMM 1 Public Speaking or
COMM 1H Honors Public Speaking 3
ECE 2 Child Growth and Development 3
EDUC 10 Introduction to Teaching 3
ENGL 1A Reading and Composition or
ENGL 1AH Honors Reading and Composition 4
ENGL 1B Introduction to the Study of Literature or
ENGL 1BH Honors Introduction to the Study of Literature 3
GEOG 6 World Regional Geography 3
GEOL 9 Introduction to Earth Science 4
HIST 11 History of the United States to 1877 3
HIST 20 World History I, to 1600 3
MATH 10A Mathematics for Elementary School Teachers I 3
SCI 1A Introductory Chemical and Physical Science 4
POLSCI 2 American Government or
POLSCI 2H Honors American Government 3
List A Select one critical thinking course 3
ENGL 2 Critical Reading and Writing through Literature
ENGL 2H Honors Critical Reading and Writing through Literature
ENGL 3 Critical Reading and Writing
ENGL 3H Honors Critical Reading and Writing
PHIL 2 Critical Reasoning and Analytic Writing
List B..... 3
ART 2 Art Appreciation..... 3
MUS 12 Music Appreciation 3
List C 3
LING 11 Introduction to Language for Teachers
Total Units 49

(Geography 40A & 40B (C-ID GEOG 125) is accepted in place of Geography 6)

ENGLISH

ENGLISH (MAJOR #R.5301.AA-T)

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

This is a transfer degree for English majors. Completion of this major allows students to transfer to CSU as a junior. According to the Bureau of Labor Statistics, a Bachelor's degree in English leads to employment in adult education, remedial education, literacy, and GED teaching. Other fields that employ English majors include counseling, editing, interpreting, translation, and K-12 teaching. A BA in English is also considered a rigorous, complementary education for careers in the legal profession including lawyers, paralegals, judges, and clerks. (Some professions require further certification, testing or degrees.)

Required Core		6
Select one course:		
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
Select one course:		
ENGL 2	Critical Reading and Writing through Literature	3
ENGL 2H	Honors Critical Reading and Writing through Literature	3
ENGL 3	Critical Reading and Writing	3
ENGL 3H	Honors Critical Reading and Writing	3
List A, choose two courses		6
ENGL 43A	American Literature: Origins through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to present	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
List B		3-6
ENGL 15A	Creative Writing: Poetry	3
and		
ENGL 15B	Creative Writing: Fiction	3
List C, choose one course		3-4
Any course from List A or List B not used above		
ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
COMM 12	Fundamentals of Interpretation	3
ENGL 15E	Creative Writing: Non-Fiction	3
ENGL 15F	Creative Writing: Screenwriting	3
ENGL 15J	Literary Journal Publications	3
ENGL 41	Themes in Literature	4
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
ENGL 74	Children's Literature	3
ENGL 75	Young Adult Literature	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 4	High-Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4NS	Spanish for Spanish Speakers	5

(Geography 40A & 40B (C-ID GEOG 125) is accepted in place of Geography 6)

Total Units 18-22

HISTORY

HISTORY (MAJOR #R.7380.AA-T)

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in History for Transfer Degree provides a clear track for students wishing to transfer to a CSU campus, exposes students to the principles and practices of the discipline of History, and builds a foundation for students' personal, academic, and professional endeavors.

The degree enables students to transfer to certain CSU four-year programs, preparing them for advanced university studies and potential careers in areas such as teaching, archival research, public history, government service, journalism, business, and law. History graduates are well suited for fields that require effective reading, writing, and critical thinking skills, as well as historically informed perspectives on contemporary global society.

The Associate in Arts in History for Transfer Degree provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

Program Learning Outcomes:

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

- Identify various interpretations used by historians to explain historical events.
- Identify the major time periods and relevant geography of history.
- Analyze and evaluate the major economic, social, political, and cultural developments in history.
- Identify important people, events, and factors influencing the direction of human history.

Required Core		6
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	3
	or	
HIST 12H	Honors History of the United States since 1865	3
List A, two courses required		6
HIST 1*	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 20*	World History I, to 1600	3
List B1, one course required		3-4
ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
COMM 12	Fundamentals of Interpretation	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 49	Latino & Chicano Literature	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
HIST 1*	Western Civilization to 1648	3
HIST 5	African People in the New World	3
HIST 20*	World History I, to 1600	3
HIST 22	History of American Women	3
HIST 32	History of the Mexican American People	3
PHIL 1D	World Religions	3
POLSCI 5	Comparative Government	3
SOC 2	American Minority Groups	3
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
SPAN 4NS	Spanish for Spanish Speakers	5
List B2, one course required		3
ANTHRO 2	Cultural Anthropology	3
ART 2	Introduction to Visual Culture	3
ART 6	Art History 2	3
ART 6H	Honors Art History 2	3
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3

HIST 1	Western Civilization to 1648	3
HIST 20	World History I, to 1600	3
MUS 12	Music Appreciation	3
MUS 16	Jazz History And Appreciation	3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
SOC 1A	Introduction to Sociology	3

*Note: History 1 and/or 20 may be used in only one area

Total Units 22-25

KINESIOLOGY

KINESIOLOGY (MAJOR #R.1270.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Kinesiology for Transfer Degree prepares students for transfer into four-year kinesiology programs. A diverse field of academic study and practical application in kinesiology allows students to pursue studies in fields such as kinesiology/ physical education credential programs, exercise science, athletic training/sports medicine, and sports administration.

Required Core		12
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
KINES 22	Introduction to Kinesiology	3
Select three different activity classes		3
PE 2	Aerobics (Dance, Step or Water)	1
PE 4	Badminton	1
PE 5	Basketball	1
PE 6	Fitness and Health	1
PE 7	Golf	1
PE 8	Martial Arts / Self Defense	1
PE 10	Racquetball	1
PE 12	Beginning Swim for Fitness	1
PE 13	Tennis	1
PE 14	Volleyball	1
PE 15	Weight Training	1
PE 16	Fitness Walking	1
PE 18	Floor Exercises	1
PE 19	Weight Training and Aerobics	1
PE 29	Yoga	1
DANCE 9	Dance Conditioning	1
DANCE 10	Modern Dance	1
DANCE 14	Beginning Jazz Dance	1
List A: Select two courses from the following (minimum – 6 units)		6
BIOL 5	Human Biology	4
CHEM 1A	General Chemistry	5
HLTH 2	First Aid and Safety	3
MATH 11	Introduction to Statistics	4
	or	
STAT 7	Elementary Statistics	4
PHYS 2A	General Physics I	4
	or	
PHYS 4A	Physics for Scientists and Engineers	4

Total Units 21-24

MATHEMATICS

MATHEMATICS (MAJOR #R.6200.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

The Associate in Science Degree in Mathematics for Transfer prepares students for transfer into four-year mathematics programs. A strong mathematics background allows students to pursue studies in fields such as mathematics education, engineering, information technology, statistical analysis, physical science and advanced mathematics.

Upon completion of the Reedley College Mathematics program, a student will be able to:

- Communicate mathematics with understanding read, write, listen, speak.
- Use critical thinking and mathematical reasoning to solve a variety of problems.
- Apply mathematical models to real world situations.
- Use technology, when appropriate, to enhance their mathematical understanding, critical thinking, and problem solving skills.
- Demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.

The program is suited to the needs of students who will complete their education at Reedley College with an A.S. degree, as well as those students who will complete their Reedley College Associate in Science Degree in Mathematics for Transfer who transfer to a four year institution to complete their bachelor's degree. Successful completion of the Associate in Science Degree in Mathematics for Transfer guarantees the student acceptance to a California State University but does not guarantee acceptance to a particular campus or major to pursue a baccalaureate degree, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management, law enforcement, government, and education.

Math Core		19
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
Select one course		4
CSCI 26	Discrete Mathematics for Computer Science	4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 40	Programming for Scientists and Engineers	4
MATH 11	Introduction to Statistics	4
PHYS 4A	Physics for Scientists and Engineers	4
STAT 7	Elementary Statistics	4
	Total Units	23

MUSIC

MUSIC (MAJOR #R.5831.AA-T)

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

Upon completion of the Associate in Arts in Music for Transfer degree, students will have a clear track for transfer to a CSU campus, have been exposed to the principles and practices of the discipline of Music, and have built a foundation for personal, academic, and professional endeavors. The degree enables students to transfer to certain CSU four-year programs, preparing them for advanced university studies and potential careers in areas such as teaching, musicological research, public performance, composition, music therapy, music publishing, music-related retail business, and commercial music. Music graduates are well suited for fields that require effective time management, tenacity, and willingness to work steadily towards an achievable goal, as well as having informed perspectives on our contemporary global society. The Associate in Arts in Music for Transfer Degree provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to the California State University system.

Program Learning Outcomes:

- Understand the basic concepts of music theory equivalent to the first two years of musical study at the college level
- Perform with their voice or instrument of choice accurately and with the technical expertise expected by the end of two years of musical study at the college level
- Perform successfully as part of a large performance ensemble such as a chorus, orchestra, or concert band
- Identify the major time periods and relevant style periods in the history of music
- Analyze and evaluate the major economic, social, political, and cultural developments in history and how they affected arts in general and music specifically
- Identify important composers, events, and other factors influencing the direction of music history

Required Core Courses		16
MUS 1A	Music Theory I	3
MUS 1B	Music Theory II	3
MUS 2A	Music Theory III	3
MUS 2B	Music Theory IV	3
MUS 7A	Ear Training: Level I	1
MUS 7B	Ear Training: Level II	1
MUS 7C	Ear Training Level III	1
MUS 7D	Ear Training Level IV	1
Applied Music 4 semesters required		4
MUS 42	Instrumental Ensembles	1-2
	or	
MUS 26	Intermediate/Advanced Voice	1-2
Large Ensemble - 4 semesters required		4
MUS 45	College Orchestra	1-3
	or	
MUS 31	Concert Choir	1-3
	or	
MUS 40	Concert Band	1-3
	Total Units	24

PHILOSOPHY

PHILOSOPHY (MAJOR #R.5711.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

An Associate in Arts Degree in Philosophy for Transfer Degree is designed for students who plan to complete a bachelor's degree in philosophy or a related major. In addition to providing a strong philosophical foundation, the Associate in Arts in Philosophy for Transfer Degree is designed to develop critical thinking skills, as well as enhance the ability to read, comprehend, and analyze complex arguments on a variety of issues. These skills will be valuable assets to transfer students to four-year institutions, whether they major in philosophy or another field of study.

To obtain the Associate in Arts in Philosophy for Transfer Degree students must also complete the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
   (B) A minimum of 18

Program Learning Outcomes:

Upon completion of the program, students will be able to:

- Analyze deductive arguments for validity and soundness.
- Understand the difference between deductive and inductive arguments.
- Write a cogent argumentative essay.
- Respect the values of dialogue, argumentation, and principled criticism in a societal and global context.
- Explain the most important issues in philosophy and accurately characterize various opposing viewpoints on them.
- Thoroughly and accurately describe the arguments for opposing viewpoints on philosophical issues.
- Construct arguments of their own on philosophical issues and express their arguments clearly and cogently.
- Respond to objections to their own views and engage in rational dialogue on philosophical issues without resorting to logical fallacies or rhetoric.
- See philosophical questioning and rational dialogue as valuable and essential elements of a human life well lived.

Required Core		6
Select one course		
PHIL 4	Introduction to Logic	3
PHIL 6	Symbolic Logic	3
Select one course		
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
List A		3
Select one: Any course from above, not already used		
PHIL 3A	History of Ancient Philosophy	3
PHIL 3B	History of Modern Philosophy	3
List B		6
Any course from List A not already used.		
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
PHIL 1D	World Religions	3
List C		3
Any course articulated as lower division preparation in the Philosophy major at a CSU		
ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
ENGL 43A	American Literature: Origins through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to present	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5

HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	3
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
LING 10	Introduction to Language	3
LING 11	Introduction to Language for Teachers	3
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
PHIL 1D	World Religions	3
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
SPAN 4NS	Spanish for Spanish Speakers	5
SPAN 5	The Short Story: Mexico, Spain, and the U.S.	4
	Total Units	18-20

PHYSICS

PHYSICS (MAJOR #R.3664.AS-T)

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Physics is the study of the relationship between mass and energy and provides a broad range of knowledge and problem solving skills that are useful in many disciplines. The program at Reedley College emphasizes topics that are encountered in our everyday lives: linear and rotational motion in two and three dimensions, forces, gravity, fluids, waves, sound, heat, electricity, magnetism and light. The following topics are also briefly introduced: special relativity, atoms, introduction to quantum mechanics and the cosmos are also included.

A physics major degree generally transfers to a four-year institution to complete a bachelor's degree. Physics graduates at the bachelor's level are qualified for a variety of technical positions with government or industry, and they are also well prepared to enter a graduate program in any other science or in engineering. Physics majors are welcomed into professional programs such as law, business, or medicine. Teaching at the high school level with a bachelor's degree or at a two- year college with a master's degree are additional career options for the physics major. For the physicist who obtains the Ph.D., experimental or theoretical research and/or teaching at the university level or basic research in government or industry are options for gainful employment.

Many four-year colleges and universities offer bachelor's degrees in physics. There are some systems and institutions that offer the advanced degrees in physics. Requirements vary from system to system and from campus to campus for each level of degree. The advice of a counselor and consultation of institutional catalogs for specific information is highly recommended.

Program Learning Outcome:

- Apply algebra, trigonometry, and/or first-year calculus to solve physical problems within the topics covered in class.

Required Core		25
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
	Total Units	25

POLITICAL SCIENCE

POLITICAL SCIENCE (MAJOR #R.7451.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Political Science Associate in Arts Transfer degree allows students to begin their major in Political Science at Reedley College and transfer to a CSU campus for completion in pursuit of a Bachelor of Arts degree. The courses offered as part of the AA-T degree give students a strong foundation in the study of American politics and government, nation-states, international actors, political theory, and political science methodology. In this way, students will be prepared for a broad spectrum of pursuits within the discipline, including, but not limited to, public administration, law, public relations, lobbying, political consulting, crisis management, journalism, public policy research, higher education, and K-12 education.

Required Core Courses..... 3

POLSCI 2	American Government
	or
POLSCI 2H	Honors American Government

LIST A: Select THREE of the following courses 9-10

POLSCI 3	Introduction to Political Theory and Thought 3
POLSCI 5	Comparative Government.....3
POLSCI 24	International Relations 3
MATH 11	Introduction to Statistics 4
	or
STAT 7	Elementary Statistics 4

LIST B: Select TWO of the following courses 6
Any LIST A course not already used.

ECON 1A	Principles of Macroeconomics 3
ECON 1B	Principles of Microeconomics 3
GEOG 6	World Regional Geography 3
HIST 1	Western Civilization to 1648 3
HIST 2	Western Civilization from 1648 3
HIST 5	African People in the New World 3
HIST 11	History of the United States to 1877 3
HIST 12	History of the United States since 1865
	or
HIST 12H	Honors History of the United States since 1865 3
HIST 20	World History I, to 1600.....3
HIST 22	History of American Women 3
HIST 32	History of the Mexican American People 3
SOC 1B	Critical Thinking about Social Problems 3
SOC 2	American Minority Groups 3

Total Units 18-19

PSYCHOLOGY

PSYCHOLOGY (MAJOR #R.7550.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Psychology Transfer Degree prepares students for transfer into CSU Psychology programs. The degree provides academic preparation in statistics and biology, in addition to the fundamentals of lower division psychology coursework. A background in psychology allows students to pursue studies in a range of fields, including education, social work, and counseling.

Program Learning Outcomes:

1. Analyze & discuss major psychological theories and research.
2. Apply psychological concepts when examining human & animal behavior.
3. Synthesize knowledge regarding culture, history & genetics in understanding behavior.
4. Integrate psychological theory & practice in analyzing social issues.
5. Differentiate valid scientific inquiry from pseudoscience.
6. Apply psychological concepts to the development effective college learning skills.
7. Demonstrate ability to apply independent critical thinking skills.
8. Critically evaluate scientific claims within the field of psychology & beyond.
9. Develop insight into human development & growth.
10. Utilize psychological applications in the pursuit of self-improvement & relationships.

Required Core 14-15

PSY 45	Introduction to Research Methods in Psychology 3

Select one course from: 4

MATH 11	Introduction to Statistics 4
STAT 7	Elementary Statistics 4

Select one course from:		3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
List A, select 4-5 units from the following Biology courses		4-5
BIOL 5	Human Biology	4
BIOL 10	Introduction to Life Science Lecture	3
	and	
BIOL 10L	Introduction to Life Science Lab	1
BIOL 11A	Biology for Science Majors I	5
List B (Choose one of the following)		3-5
Any List A course not already used		
ECE 2	Child Growth and Development	3
ECE 14	Lifespan Development	3
PSY 5	Social Psychology	3
PSY 38	Lifespan Development	3
SOC 1A	Introduction to Sociology	3
List C (Choose one of the following):		3-5
Any course not selected above		3-5
PSY 16	Abnormal Psychology	3
PSY 25	Human Sexuality	3
	Total Units	20-22

Advisor(s): Terrell

SOCIOLOGY

SOCIOLOGY (MAJOR #R.7612.AA-T)

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

Sociology is the scientific study of human society and social interaction. The sociological perspective is a powerful tool to critically analyze and understand contemporary society at the local, regional, national, and global levels. Sociology focuses on social interactions as well as large-scale social institutions such as economy, politics, education, mass media, religion, and the criminal justice system. Sociology's subject matter ranges from the intimate family setting to the large, impersonal organization, from the world of work to the world of sport, from social divisions of class, race, and gender to cultural bonds based on shared values and traditions. Sociology emphasizes how individual behavior is influenced by the structure of society and how individual behavior can influence the structure of society. All sociology classes emphasize multicultural and gender issues.

A sociology major usually transfers to a four-year institution to complete a Bachelor's Degree. Because of the broad scope of subject matter, sociology is excellent preparation for a wide range of career paths, including teaching, journalism, law, business, communications, nonprofit management, corrections/ law enforcement, social work, counseling, urban planning, public service, and politics.

Program Learning Outcomes:

- Prepare students with the knowledge and skills required to succeed in the study of sociology.
- Provide students with the skills for critical thinking and perceptive reading.
- Provide students with the skills for sociological analysis.

Required Core		10-11
SOC 1A	Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
Select one Statistics course		
MATH 11	Introduction to Statistics	4
MATH 11C	Introduction to Elementary Statistics with Support	5
PSY 42	Statistics for the Behavioral Sciences	4
STAT 7	Elementary Statistics	4
List A		6
SOC 2	American Minority Groups	3
PSY 5	Social Psychology	3
SOC 11	Sociology of Gender	3
SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships	3
List B		3
ANTHRO 2	Cultural Anthropology	3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
	Total Units	19-20

SPANISH

SPANISH (MAJOR #R.5560.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Spanish for Transfer Degree prepares students for transfer to four-year Spanish programs. Students will acquire the Spanish language in a culturally rich environment and will possess the receptive skills (listening and reading) and the productive skills (speaking and writing) necessary to achieve communicative competence in order to pursue more advanced study of Spanish at a CSU campus. The Associate in Arts in Spanish for Transfer Degree is appropriate for students considering careers in fields such as education, translation and interpretation, business, social services and tourism.

Required Core		20
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	
	or	
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
	or	
SPAN 4NS	Spanish for Spanish Speakers	5

If a student places out of any core course(s) and is not awarded units for that course the student will need to take additional units to compensate for the course/units required to reach at least 18 total units in the major. Approved substitutions include courses in List A. Additional approved course substitutions include the following:

ANTHRO 2	Cultural Anthropology	3
COMM 10	Intercultural Communication	3
SOC 1A	Introduction to Sociology	3
SOC 2	American Minority Groups	3
List A		3-5
ENGL 49	Latino & Chicano Literature	3
ETHNST 32	History of the Mexican American People	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
HIST 32	History of the Mexican American People	3
SPAN 5	The Short Story: Mexico, Spain, and the U.S.	4
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3
	Total Units	23-25

Associate Degree and Certificate Programs

ACCOUNTING

Program Learning Outcomes:

- Use appropriate accounting vocabulary to effectively communicate in the business environment at a better than 70% level of accuracy.
- Apply proper accounting principles in the process of journalizing various accounting transactions at a better than 70% level of accuracy.
- Use critical thinking to analyze accounting date or information in order to prepare financial statements or a report evaluating that information to a level of 70% accuracy.

ACCOUNTING (MAJOR #R.2010.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree in accounting combines an in-depth understanding of accounting principles with a breadth of business knowledge. A student who completes the outlined course of study will be prepared for employment in the accounting field. These students will have acquired skills in basic accounting, both manual and computerized. The students will acquire some managerial, cost, and manufacturing accounting skills which will in addition to preparing accounting data, enable them to analyze and make decisions regarding such. They will in addition have acquired skills to use word processing and spreadsheet applications. They will have acquired skills to help them with communication both oral and written. Depending on courses chosen, a student will acquire other knowledge as listed below.

Business Department Core		9
BA 5	Business Communications	3
BA 10	Introduction to Business	3
IS 15	Computer Concepts	3
Major Courses		15.5
ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
ACCTG 31	Computerized Accounting	3
BA 33	Human Relations in Business	3
OT 13A	Microsoft Access Essentials	1.5
Select one course		1.5
IS 18	Spreadsheet Fundamentals	1.5
OT 12A	Microsoft Excel Essentials	1.5
Select two (2)		6-7
BA 18	Business Law and the Legal Environment	4
BA 52	Introduction to Entrepreneurship	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
MKTG 10	Marketing	3
Select one (1)		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	35-37

ACCOUNTING (MAJOR #R.2010.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this course of study a student will be prepared for an entry level position in accounting. The student will have acquired skills necessary to be able to use either manual or computerized accounting. In addition to accounting skill, the student will have additional proficiencies in word processing, spreadsheet, and the ability to work better with others.

ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
ACCTG 31	Computerized Accounting	3
BA 33	Human Relations in Business	3
IS 15	Computer Concepts	3
Select one course		1.5
IS 18	Spreadsheet Fundamentals	1.5
OT 12A	Microsoft Excel Essentials	1.5
	Total Units	18.5

AGRICULTURE

AG TECHNOLOGY (MAJOR #R.2305.CC)
CERTIFICATE OF COMPLETION

Upon completion of the course, students will understand all aspects of the Fresh Fruit industry including, planting, harvest, processing, packaging, sales and forecasting. They will also have an understanding of the various types of advanced technology that is used in packing, harvesting, logistics and sales.

AG 313	Fundamentals of the Fresh Fruit Industry	108
AG 314	Emerging Technologies in Agriculture	108
AG 331	Food Safety - HACCP	54
	Total Hours	270

Program Learning Outcomes:

- Describe the strength, diversity, economic dynamics and opportunities of the California, U.S. and global agriculture economies.
- Communicate effectively, including use of proper presentation and promotion skills, to individuals and to groups, using oral, print and digital media.
- Utilize and apply digital/electronic technology as found in the agriculture business industry.
- Record, organize, and analyze financial and production data related to agriculture businesses.
- Determine agriculture business inputs, with an understanding of the interaction among those components, leading to accurate business planning and decision making.
- Demonstrate a breadth of knowledge of the agriculture industry that provides a base for decision making and credibility in personal interactions and career decisions.

AGRICULTURE BUSINESS (MAJOR #R.1020.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this program of study, students will be prepared for entry-level employment in occupations where business skills are required with a breadth of agriculture knowledge. They will have acquired the knowledge, skills and attributes to assist with the day-to-day operations of an agricultural business or a production agriculture operation. Knowledge and skills acquired include determining the factors that influence profits and efficiency, implementing strategies for making effective management decisions, recording financial transactions according to fundamental accounting procedures, and developing marketing strategies for agricultural products and agribusiness services. Courses may be applied toward an Associate in Science Degree.

AGBS 1	Introduction to Agriculture Business	3
AGBS 2	Agricultural Economics	3
AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3
AGBS 6	Career Preparation	1
AS 1	Introduction to Animal Science	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 11	Machinery Technology	3
	Total Units	29

Advisor(s): Woodard

AGRICULTURE BUSINESS MANAGEMENT
(MAJOR #R.102D.CA)
CERTIFICATE OF ACHIEVEMENT

Students who complete the outlined course of study will be prepared for entry-level positions in Agriculture Business. Skills acquired include determining the most profitable levels of production for various farm enterprises, preparing and delivering an effective sales presentation for a familiar agricultural product, calculating and explaining the costs of production, creating a balance sheet, cash flow statement, and income statement for a farm business, evaluating and selecting computer hardware and software appropriate to agricultural business applications.

AGBS 1	Introduction to Agriculture Business	3
AGBS 2	Agricultural Economics	3
AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3
	Total Units	15

Advisor(s): Woodard

AGRICULTURE EDUCATION (MAJOR #R.1120.AS)
ASSOCIATE IN SCIENCE DEGREE

The agricultural education program is designed to equip students for careers as agricultural communication specialists or secondary agriculture teachers. In addition to a required selection of core courses, students will choose a specialization in one of the following focus areas: Agricultural Business, Animal Sciences, Plant Sciences, Mechanized Agriculture or Natural Resources.

Required Agriculture Core		27
AGBS 2	Agricultural Economics	3
AGBS 3	Agriculture Accounting	3
AGBS 8	Agriculture and Natural Resources Ambassadors	2
AGED 50	Agriculture Education Orientation	3

AS 1	Introduction to Animal Science	3
EH 30	Principles of Environmental Horticulture	3
NR 1	Introduction to Forestry	3
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
MAG 40	Introduction to Agricultural Mechanics	3

Select 6 units from one of following groups: 6

Students wishing to specialize in Agriculture Business will select 6 Units from the following:

Agriculture Business Specialization

AGBS 1	Introduction to Agriculture Business	3
AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3

Students wishing to specialize in Animal Science will select 6 Units from the following:

Animal Science Specialization

AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 6	Livestock Selection and Evaluation	3
AS 40	Livestock Exhibition and Marketing	2

Students wishing to specialize in Plant Science will select 6 Units from the following:

Plant Science Specialization

PLS 1	Introduction to Plant Science	3
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 8	Vegetable Production	3

Students wishing to specialize in Agriculture Mechanics will select 6 Units from the following:

Agriculture Mechanics Specialization

MAG 41	Introduction to Agricultural Welding	3
MAG 42	Small Gasoline and Diesel Engines	3
MAG 43	Electrical and Hydraulic Fundamentals	3
MAG 44	Agriculture Welding Fabrication	3

Students wishing to specialize in Natural Resources will select 6 Units from the following:

Natural Resources Specialization

NR 4	Forest Ecosystems	3
NR 7	Conservation of Natural Resources	3
NR 12	Watershed Ecology	3
NR 20	Forest Measurements	3
	Total Units	33

Advisor(s): Deftereos, Long, Lopes, Molyneux, K. Rodriguez, Smith, Soderlund, Woodard

AGRICULTURE EDUCATION (MAJOR #R.1120.CA) CERTIFICATE OF ACHIEVEMENT

This certificate program is designed for students with a career goal of becoming an agriculture teacher and choose to acquire associate degrees in other areas of agriculture. Certificate program that

allows students to focus on their current degree program while increasing their breadth of experience in agriculture. Students will participate in program planning, community outreach and student recruitment activities. Students will meet the Orientation in Agricultural Education required by universities by observing agriculture classrooms at local secondary school sites. Upon graduation from Reedley College, these students will transfer to university offering undergraduate degrees in Agriculture Education.

Agriculture Education and Leadership Core 5

AGBS 8	Agriculture and Natural Resources Ambassadors	3
AGBS 50	Agriculture Education Orientation	3

Select one specialization area from Agriculture Business, Animal Science, Environmental Horticulture, Agriculture Mechanics, or Natural Resources/Forestry Specialization

Agriculture Business Specialization 9-15

AGBS 1	Introduction to Agriculture Business	3
AGBS 2	Agricultural Economics	3
AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3

Animal Science Specialization 9-15

AS 1	Introduction to Animal Science	3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 21	Equine Science	3

Environmental Horticulture Specialization		9-17
EH 30	Principles of Environmental Horticulture	3
EH 35	Floral Design	1
EH 43	Plant Propagation/Production	3
EH 48	Landscape Design	3
PLS 1	Introduction to Plant Science	3
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
Agriculture Mechanics Specialization		9-12
MAG 40	Introduction to Agricultural Mechanics	3
MAG 41	Introduction to Agricultural Welding	3
MAG 42	Small Gasoline and Diesel Engines	3
MAG 44	Agriculture Welding Fabrication	3
Natural Resources/Forestry Specialization		9-15
NR 1	Introduction to Forestry	3
NR 4	Forest Ecosystems	3
NR 7	Conservation of Natural Resources	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
	Total Units	14-22

GENERAL AGRICULTURE (MAJOR #R.1010.CA)
CERTIFICATE OF ACHIEVEMENT

Skills and competencies for students who seek entry-level employment in agriculture with flexibility for a student to design his/her own specialty. Upon completion of this certificate, students will have skills in basic agriculture computer applications, agriculture sales methods and techniques, accounting in agriculture, basic plant science operations and methods, machinery or mechanical skills, and agriculture career awareness. Limited flexibility is allowed for students to develop skills in the areas of their agricultural career interest. Courses may be applied toward an AS degree.

AGBS 4	Computer Applications in Agriculture	3
AGBS 5	Ag Sales and Communications	3
AGBS 6	Career Preparation	1
AGBS 7	Career Leadership Seminar	1
AS 1	Introduction to Animal Science	3
Select one (1) course		3
MAG 40	Introduction to Agriculture Mechanics	3
PLS 11	Machinery Technology	3
Select one group		4
Group 1		
PLS 1	Introduction to Plant Science	3
	and	
PLS 1L	Introduction to Plant Science Laboratory	1
	or	
Group 2		
PLS 2	Soils	3
	and	
PLS 2L	Soils Laboratory	1
Additional units are required from the following subjects		3
AG, AGNR, AS, EH, MAG, NR, PLS		
	Total Units	21

Advisor(s): Woodard

AMERICAN SIGN LANGUAGE

AMERICAN SIGN LANGUAGE (MAJOR #R.5505.AA)
ASSOCIATE IN ARTS DEGREE

Students successfully completing the course of study will be able to enter the workforce in a field that requires them to interact and work with Deaf and Hard of Hearing people. Students will receive in-depth instruction in American Sign Language and be exposed to the linguistic aspects of the language as well as the many facets of Deaf Culture. By completing these courses, students will acquire the skills necessary to be a culturally aware, linguistically competent ally for Deaf and Hard of Hearing individuals and find employment in various settings that require the knowledge of the Deaf culture and language. Possible employment options include working as Para educators and/or Interpreting Aides in a Deaf and Hard of Hearing classroom as well as various positions in Deaf/Hard of Hearing organizations. This series of courses will prepare students to take the American Sign Language Proficiency Interview to be evaluated as conversationally proficient.

Program Learning Outcomes

Upon completion of this program, students will be able to:

1. Formulate and understand grammatically correct and culturally appropriate American Sign Language concepts in spontaneous conversational settings
2. Synthesize aspects of American Sign Language syntax, pragmatics, and semantics to analyze and formulate a variety of sentences
3. Comprehend and implement appropriate cultural and linguistic practices based on the knowledge of preferences of the Deaf and Hard of Hearing community.

ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
ASL 5	Deaf Culture	3
ASL 6	Structure of American Sign Language	3
	Total Units	22

AMERICAN SIGN LANGUAGE CONVERSATIONAL PROFICIENCY (MAJOR #R.5505.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing this certificate will enter the workforce in a field that requires them to interact and work with Deaf and Hard of Hearing people with a culture awareness of Deaf Culture. Students will use the linguistic aspects of the language as well as the many facets of Deaf Culture to be linguistically competent allies for Deaf and Hard of Hearing individuals and may find employment in various settings that require the knowledge of the Deaf culture and language. Possible employment options include working as Para educators and/or Interpreting Aides in a Deaf and Hard of Hearing classroom as well as various positions in Deaf/Hard of Hearing organizations. Students will be able to take the American Sign Language Proficiency Interview to be evaluated as conversationally proficient.

Program Learning Outcomes

Upon completion of this program, students will be able to:

1. Formulate and understand grammatically correct and culturally appropriate American Sign Language concepts in spontaneous conversational settings
2. Synthesize aspects of American Sign Language syntax, pragmatics, and semantics to analyze and formulate a variety of sentences structures and communicate clearly and accurately in ASL.
3. Comprehend and implement appropriate cultural and linguistic practices based on the knowledge of preferences of the Deaf and Hard of Hearing community.

ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
ASL 5	Deaf Culture	3
ASL 6	Structure of American Sign Language	3
	Total Units	22

ANIMAL SCIENCE

ANIMAL SCIENCE (MAJOR #R.1057.CA)
CERTIFICATE OF ACHIEVEMENT

Students completing this program will have the basic animal husbandry skills required for entry-level employment in the livestock industry in areas such as livestock herdsman, animal trainer, livestock fitter, brand inspector, or in occupations within the food animal industry. They will understand animal behavior and have the skills and knowledge to perform safe handling techniques, feeding practices, breeding, environmental management, marketing, health maintenance, nutritional needs and common veterinary procedures.

Program Learning Outcomes

Upon completion of this program, students will be able to:

- Identify the skills, education, and work experiences needed to pursue his/her chosen career path.
- Maintain an up-to-date comprehensive career portfolio to include a personal résumé, cover letter, application, skills inventory, employment history, and copies of employment application and interview correspondence (thank you letters, etc.).
- Apply effective oral and written communication skills to the work environment.
- Exhibit a high level of work ethic and good time management skills.
- Work in group settings to accomplish team goals.
- Apply commonly used computer programs to the workplace.
- Utilize equipment and technology commonly utilized in the livestock industry and related fields.
- Apply ethical animal husbandry practices and industry accepted quality assurance measures to the responsible production, processing, and marketing of livestock and animal products.
- Demonstrate basic animal management skills in regard to behavior, parturition, identification, nutrition, reproduction and health for common livestock species.
- Evaluate animal conformation and performance data in accordance with industry standards and make selection decisions, based on given scenarios, for various livestock species.

Required Courses		11
AGBS 4	Computer Applications in Agriculture	3
AS 1	Introduction to Animal Science	3
AS 5	Animal Nutrition	3
AS 40	Livestock Exhibition and Marketing	2

Select one course		3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 21	Equine Science	3
Select one course		3
AS 6	Livestock Selection and Evaluation	3
AS 10	Meat Evaluation and Processing	3
AS 67	Animals and Society	3
	Total Units	17

Advisor(s): Lopes, Molyneux

ANIMAL SCIENCE (MAJOR #R.1050.AS)
ASSOCIATE IN SCIENCE DEGREE

This program provides a practical course of study emphasizing a mix of hands-on application and academic skills training required for successful employment in the field of animal science. Students will gain knowledge about various aspects of the livestock industry (such as genetics, reproduction, nutrition, evaluation, health, marketing, and meat processing) and be able to apply a variety of technical skills to the responsible production, handling, and marketing of livestock and the products derived from animals. This pathway is designed for students seeking a two-year degree that will allow them to acquire entry-level positions within the livestock industry. Courses within this program of study may also be applied toward other certificate and/or degree programs within animal science.

Program Learning Outcomes:

- Identify the skills, education, and work experiences needed to pursue his/her chosen career path.
- Maintain an up-to-date comprehensive career portfolio to include a personal résumé, cover letter, application, skills inventory, employment history, and copies of employment application and interview correspondence (thank you letters, etc.).
- Apply effective oral and written communication skills to the work environment.
- Exhibit a high level of work ethic and good time management skills.
- Work in group settings to accomplish team goals.
- Apply commonly used computer programs to the workplace.
- Utilize equipment and technology commonly utilized in the livestock industry and related fields.
- Apply ethical animal husbandry practices and industry accepted quality assurance measures to the responsible production, processing, and marketing of livestock and animal products.
- Demonstrate basic animal management skills in regard to behavior, parturition, identification, nutrition, reproduction and health for common livestock species.
- Evaluate animal conformation and performance data in accordance with industry standards and make selection decisions, based on given scenarios, for various livestock species.

Required Courses		19
AGBS 4	Computer Applications in Agriculture	3
AS 1	Introduction to Animal Science	3
AS 5	Animal Nutrition	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
AGBS 19V	Cooperative Work Experience, Agriculture	2
Select one course		3
MAG 40	Introduction to Agriculture Mechanics	3
PLS 11	Machinery Technology	3
Select two courses		6
AGBS 1	Introduction to Agriculture Business	3
AGBS 2	Agricultural Economics	3
AGBS 3	Agriculture Accounting	3
AGBS 5	Ag Sales and Communications	3
Select two courses		6
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 21	Equine Science	3
Select one course		3
AS 6	Livestock Selection and Evaluation	3
AS 10	Meat Evaluation and Processing	3
Select one course		2
AS 24	Equitation	2
AS 40	Livestock Exhibition and Marketing	2
	Total Units	39

Advisor(s): Lopes, Molyneux

EQUINE (MAJOR #R.1054.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing this program will have developed the basic skills required for entry level employment in the equine industry. Students will be able to apply the skills and knowledge of animal behavior & handling, safety, feeding, breeding, environmental management, marketing, health maintenance and common veterinary procedures. Students who complete this program may gain employment as an assistant trainer, show groom, breeding assistant, equine supervisor, or barn manager.

Courses may also be applied toward other certificates of achievement and/or associate in science degree programs in animal science.

Program Learning Outcomes

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

- Identify the skills, education, and work experiences needed to pursue his/her chosen career path.
- Apply effective oral and written communication skills to the work environment.
- Exhibit a high level of work ethic and good time management skills.
- Work in group settings to accomplish team goals.
- Utilize equipment and technology commonly utilized in the equine industry and related fields.
- Demonstrate basic equine management skills in regard to behavior, parturition, identification, nutrition, reproduction and health for the horse industry.
- Evaluate animal conformation and performance data in accordance with industry standards and make selection decisions, based on given scenarios, for various equine industries.

AS 21	Equine Science	3
AS 22	Equine Reproduction	3
AS 24	Equitation	2
AS 25	Basic Equine Handling	2
AS 26	Western Riding & Horsemanship	2
AS 27	Introduction to Horse Training	2
	Total Units	14

ART

ART: THREE-DIMENSIONAL (MAJOR #R.520B.AA)
ASSOCIATE IN ARTS DEGREE

Upon successful completion of this program students will have an introductory level knowledge of art history and be able to apply skills in 3D composition and ceramics. Students will have preparation for transfer into four-year art programs.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Apply knowledge of the elements and principles of design to the description and/or production of artwork.
- Communicate effectively in one or more of the following ways: verbally, written and visually with emphasis on concepts of content and form.
- Understand the impact of the visual arts in a personal, cultural and global context.
- Apply knowledge of techniques and media through production and description of artwork.
- Evaluate and analyze the strengths and weaknesses of an artwork's effectiveness to visually communicate.
- Solve visual problems through the artistic process.

Select from the following studio art courses 15

ART 4	Three-Dimensional Design	3
ART 7	Beginning Drawing	3
ART 10	Beginning Ceramics	3
Art 15	Ceramic Sculpture	3
ART 20	Intermediate Ceramics	3
ART 36A	Intermediate Wheel Throwing	3
ART 38A	Intermediate Hand-Building	3
ART 43	Independent Projects Studio	2-3

Select 6 units from the following 6

ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6	Art History 2	3
	or	
ART 6H	Honors Art History 2	3
ART 26	Survey of Non-Western Art	3
FILM 1	Introduction to Film Studies	3
PHOTO 1	Basics of Digital Photography	3
	Total Units	21

Advisor(s): Carrera, Hicks

ART: TWO-DIMENSIONAL (MAJOR #R.520A.AA)
ASSOCIATE IN ARTS DEGREE

AA Art Degree is designed to give students basic skills in 2D or 3D composition, an introductory level knowledge of art history and computer digital art familiarity. The primary focus is to prepare students for transfer into four-year art programs. Students completing the computer art program will be prepared for certain entry-level positions in the computer digital field.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Apply knowledge of the elements and principles of design to the description and/or production of artwork.
- Communicate effectively in one or more of the following ways: verbally, written and visually with emphasis on concepts of content and form.
- Understand the impact of the visual arts in a personal, cultural and global context.
- Apply knowledge of techniques and media through production and description of artwork.
- Evaluate and analyze the strengths and weaknesses of an artwork's effectiveness to visually communicate.
- Solve visual problems through the artistic process.

Select from the following studio art courses		12
ART 3	Two-Dimensional Design	3
ART 7	Beginning Drawing	3
ART 9	Beginning Painting: Oil and Acrylic	3
ART 13	Beginning Watercolor Painting	3
ART 17	Intermediate Drawing	3
ART 19	Intermediate Painting: Oil/ Acrylic	3
ART 23	Intermediate Watercolor Painting	3
Select two courses from the following		6
ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6	Art History 2	
	or	
ART 6H	Honors Art History 2	3
ART 26	Survey of Non-Western Art	3
FILM 1	Introduction to Film Studies	3
PHOTO 1	Basics of Digital Photography	3
	Total Units	18

Advisor(s): Carrera, Hicks

AUTOMOTIVE TECHNICIAN PROGRAM

Program Learning Outcomes:

Diagnose and repair manual transmissions

- Diagnose and repair clutch systems
- Diagnose and repair automatic transmissions
- Diagnose and repair engines
- Evaluate and calculate automotive electrical system operations
- Diagnose and repair automotive starting and charging systems
- Diagnose and repair fuel delivery and emissions systems
- Diagnose and repair differentials
- Diagnose and repair brakes
- Diagnose and repair steering and suspension systems
- Diagnose and repair engine electrical and electronic systems
- Diagnose and repair automotive air conditioning and heating systems

AUTOMOTIVE TECHNICIAN (MAJOR #R.8050.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon completion of the Reedley College Automotive Program (AUTOT-10 and AUTOT-11), the student will be eligible to take the Brake, Lamp license exams, and the National Institute for Automotive Excellence (ASE exams and qualify as a Certified General Automobile Mechanic once the ASE experience requirements are met. The program will prepare the student with the knowledge and skills to perform diagnosis and repair of various automotive components and enter the automotive service industry at the advance apprentice level. Students will be instructed in the following subjects: AUTOT-10 (Safety, Ethics, Regulations, Engine Repair, Manual Transmissions, Clutches, Automatic Transmissions, and Chassis Electrical Systems) and AUTOT-11 (Safety, Ethics, Regulations, Brakes, Suspension and Steering, Differentials, Axles, Engine Electrical and Electronic Systems, Engine Performance and Emissions, Air Conditioning and Heating, and Bureau of Automotive Repair (BAR) Emissions (Smog), Brake and Lamp License Preparation). The program is certified by the National Automotive Technicians Education Foundation NATEF), and is certified by the State of California Bureau of Automotive Repair. The student will receive approximately 1,100 hours of instruction, at 30 hours per week, in one year, Fall/Spring semester sequence. In addition to the courses for the major, certain general education classes are required as specified in the associate degree requirements.

AUTOT 10	Automotive Technician Program	16
AUTOT 11	Automotive Technician Program	16
	Total Units	32

Advisor(s): Hunter, Peters, Rosendale

AUTOMOTIVE TECHNICIAN (MAJOR #R.8050.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of the Reedley College Automotive Program (AUTOT-10 and AUTOT-11), the student will be eligible to take the Brake, Lamp license exams, and the National Institute for Automotive Excellence (ASE exams and qualify as a Certified General Automobile Mechanic once the ASE experience requirements are met. The program will prepare the student with the knowledge and skills to perform diagnosis and repair of various automotive components and enter the automotive service industry at the advance apprentice level. Students will be instructed in the following subjects: AUTOT-10 (Safety, Ethics, Regulations, Engine Repair, Manual Transmissions, Clutches, Automatic Transmissions, and Chassis Electrical Systems) and AUTOT-11 (Safety, Ethics, Regulations, Brakes, Suspension and Steering, Differentials, Axles, Engine Electrical and Electronic Systems, Engine Performance and Emissions, Air Conditioning and Heating, and Bureau of Automotive Repair (BAR) Emissions (Smog), Brake and Lamp License Preparation). The program is certified by the National Automotive Technicians Education Foundation NATEF), and is certified by the State of California Bureau of Automotive Repair. The student will receive approximately 1,100 hours of instruction, at 30 hours per week, in one year, Fall/Spring semester sequence. In addition to the courses for the major, certain general education classes are required as specified in the associate degree requirements.

AUTOT 10	Automotive Technician Program	16
AUTOT 11	Automotive Technician Program	16
	Total Units	32

Advisor(s): Hunter, Peters, Rosendale

AVIATION MAINTENANCE TECHNOLOGY

AIRCRAFT AIRFRAME MAINTENANCE (MAJOR #R.8030.CA)
CERTIFICATE OF ACHIEVEMENT

This program prepares students to enter employment as a Federal Aviation Administration (FAA) certified Airframe mechanic in the aircraft maintenance industry. Students must receive a minimum grade of "C" or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the degree or certificate. Successful completion of this program enables students to take the FAA mechanic certification examinations with an Airframe rating. FAA certification as an Aircraft Mechanic is required for employment in this field. Excellent opportunities for employment exist in this area of training.

Program Learning Outcomes:

Upon completion of the program student will be able to:

- Demonstrate an in-depth technical knowledge of aircraft airframe maintenance concepts and practices.
- Demonstrate various skills and tasks associated with aircraft airframe maintenance and repair.
- Identify the risks associated with performing aircraft airframe maintenance tasks without the proper knowledge, skill, or safety protocols in place.

AMT 10	Aviation Maintenance General A	6.5
AMT 20	Aviation Maintenance General B	6.5
AMT 30	Aviation Maintenance Airframe A	6.5
AMT 40	Aviation Maintenance Airframe B	6.5
AMT 50	Aviation Maintenance Airframe C	6.5
	Total Units	32.5

AIRCRAFT GENERAL MAINTENANCE (MAJOR #R.8020.CA)
CERTIFICATE OF ACHIEVEMENT

This program serves as the foundation for students seeking a career in the aviation maintenance technology field. The 12 "general" subject areas covered in this program will provide the essential knowledge, skill, and risk assessment required in both the airframe and powerplant mechanics ratings. After successful completion of this program, students will be able to move on to more advanced subject areas in both of the airframe and powerplant programs. Students must receive a minimum grade of "C" or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the certificate.

Program Learning Outcomes:

Upon completion of the program student will be able to:

- Demonstrate an in depth technical knowledge of aircraft general maintenance concepts and practices.
- Demonstrate various skills and tasks associated with aircraft general maintenance and repair.
- Identify the risks associated with performing aircraft general maintenance tasks without the proper knowledge, skill, or safety protocols in place.

AMT 10	Aviation Maintenance General A	6.5
AMT 20	Aviation Maintenance General B	6.5
	Total Units	13

AIRCRAFT POWERPLANT MAINTENANCE

(MAJOR #R.8040.CA)

CERTIFICATE OF ACHIEVEMENT

This program prepares students to enter employment as a Federal Aviation Administration (FAA) certified Powerplant mechanic in the aircraft maintenance industry. Students must receive a minimum grade of "C" or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the degree or certificate. Successful completion of this program enables students to take the FAA mechanic certification examinations with a Powerplant rating. FAA certification as an Aircraft Mechanic is required for employment in this field. Excellent opportunities for employment exist in this area of training.

Program Learning Outcomes:

Upon completion of the program student will be able to:

- Demonstrate an in depth technical knowledge of aircraft powerplant maintenance concepts and practices.
- Demonstrate various skills and tasks associated with aircraft powerplant maintenance and repair.
- Identify the risks associated with performing aircraft powerplant maintenance tasks without the proper knowledge, skill, or safety protocols in place.

AMT 10	Aviation Maintenance General A	6.5
AMT 20	Aviation Maintenance General B	6.5
AMT 60	Aviation Maintenance Powerplant A	6.5
AMT 70	Aviation Maintenance Powerplant B	6.5
AMT 80	Aviation Maintenance Powerplant C	6.5
	Total Units	32.5

AVIATION MAINTENANCE TECHNOLOGY

(MAJOR #R.8011.AS)

ASSOCIATE IN SCIENCE DEGREE

Upon successful completion of this program, students will have met all the requirements to take the Federal Aviation Administration written, oral, and practical mechanics certification exams for both Airframe and Powerplant ratings. This program is recognized by the Federal Aviation Administration as an approved Aircraft Maintenance Technician School.

AMT 10	Aviation Maintenance General A	6.5
AMT 20	Aviation Maintenance General B	6.5
AMT 30	Aviation Maintenance Airframe A	6.5
AMT 40	Aviation Maintenance Airframe B	6.5
AMT 50	Aviation Maintenance Airframe C	6.5
AMT 60	Aviation Maintenance Powerplant A	6.5
AMT 70	Aviation Maintenance Powerplant B	6.5
AMT 80	Aviation Maintenance Powerplant C	6.5
	Total Units	52

Advisor(s): Asman, Woolsey, Zielke

AVIATION MAINTENANCE TECHNOLOGY

(MAJOR #R.8011.CA)

CERTIFICATE OF ACHIEVEMENT

This program prepares students to enter employment as a Federal Aviation Administration (FAA) certified mechanic in the aircraft maintenance industry. Students must receive a minimum grade of "C" or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the degree or certificate. Successful completion of this program enables students to take the FAA mechanic certification examinations with an Airframe and Powerplant rating. FAA certification as an Aircraft Mechanic is required for employment in this field. Excellent opportunities for employment exist in this area of training.

AMT 10	Aviation Maintenance General A	6.5
AMT 20	Aviation Maintenance General B	6.5
AMT 30	Aviation Maintenance Airframe A	6.5
AMT 40	Aviation Maintenance Airframe B	6.5
AMT 50	Aviation Maintenance Airframe C	6.5
AMT 60	Aviation Maintenance Powerplant A	6.5
AMT 70	Aviation Maintenance Powerplant B	6.5
AMT 80	Aviation Maintenance Powerplant C	6.5
	Total Units	52

Advisor(s): Asman, Woolsey, Zielke

BIOLOGICAL SCIENCE

BIOLOGICAL SCIENCE (MAJOR #R.6100.AS)
ASSOCIATE IN SCIENCE DEGREE

Students graduating with an Associate in Science Degree in Biology will be able to identify the classification of organisms, their structures, and physiology. These students will have successfully explored the human body through the different levels of organization. And these students will have studied environmental systems and the impacts of humans in these systems, perform laboratory experiments with equipment such as EKG machine, otoscope, and microscope.

Take a total of 18 units		18
Take a minimum of 8 units from:		8
BIOL 2	Environmental Science	4
BIOL 5	Human Biology	4
BIOL 10	Introduction to Life Science Lecture	3
BIOL 10L	Introduction to Life Science Lab	1
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 13	Environmental Science	3
BIOL 13L	Environmental Science Lab	1
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
Take a minimum of 3 units from:		3
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	18

Advisor(s): Lin, Menefee, Smith Bush, Strankman

BUSINESS ADMINISTRATION

21ST CENTURY JOB SKILLS
(MAJOR #R.2040.CA)
CERTIFICATE OF ACHIEVEMENT

Students who complete the outlined course of study will be prepared for entry-level positions in the world of business. They will have acquired necessary skills, education, and classroom experience to understand basic business concepts and be able to contribute these skills to any entry-level position to business.

Program Learning Outcomes

Upon completion of the program students will be able to:

1. Demonstrate an understanding and application of human relations and professional workplace behaviors.
2. Identify, assess and critically evaluate basic business theory, functions, and skills required to manage effectively in a complex global environment.

BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
IS 15	Computer Concepts	3
	Total Units	9

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BUSINESS ADMINISTRATION (MAJOR #R.2032.CA)
CERTIFICATE OF ACHIEVEMENT

(formerly Small Business Management)

Students completing this program will be prepared for a career in business administration. Students will have a broad sense of the business environment and a broad range of business skills.

Program Learning Outcome:

Upon completion of the program student will be able to:

- Create and interpret business documents, communications, and reports that are common in an entry-level business position

Required Courses		13-15
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 27	Collegiate Entrepreneurs Organization	1-3
BA 33	Human Relations in Business	3
IS 15	Computer Concepts	3
Select one course		1-3
BA 19V	Cooperative Work Experience, Business	1-3
BA 47	Careers-Business	1
BA 61	Field Studies in Business	3

Select one course		3-4
ACCTG 4A	Financial Accounting	4
BA 39	Finite Mathematics for Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
STAT 7	Elementary Statistics	4
	Total Units	17-22

Advisor(s): Nasalroad, M. Sorensen

BUSINESS ADMINISTRATION: ACCOUNTING

(MAJOR #R.2062.AS)

ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate. At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core		
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
Accounting Option		
ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
ACCTG 31	Computerized Accounting	3
ACCTG 40	Applied Accounting	4
Select one from the following		1
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	37-38

Advisor(s): Seo

BUSINESS ADMINISTRATION, ENTREPRENEUR

(MAJOR #R.2060.AS)

ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate.

At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core		
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
Entrepreneur Option		
BA 38	Operation of a Small Business	3
BA 52	Introduction to Entrepreneurship	3
MKTG 10	Marketing	3

Select one from the following		1-3
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
BA 61	Field Studies in Business	3
Select one from the following		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	38

Advisor(s): Nasalroad

BUSINESS ADMINISTRATION: GENERAL BUSINESS

(MAJOR #R.2063.AS)

ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate.

At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core

BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
General Business Option		9
ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
ACCTG 31	Computerized Accounting	3
BA 15	Introduction to Management	3
BA 34	Fundamentals of Investing	3
BA 38	Operation of a Small Business	3
BA 52	Introduction to Entrepreneurship	3
IS 40A	Web Development with HTML	3
IS 60	Operating Systems	3
IS 62	Computer Troubleshooting and Maintenance	2.5
MKTG 10	Marketing	3
MKTG 11	Salesmanship	3
MKTG 12	Advertising and Promotion	3
Select one from the following		1-3
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
BA 61	Field Studies in Business	3
Select one from the following		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	38

Advisor(s): Nasalroad, M. Sorensen

BUSINESS ADMINISTRATION-INFORMATION SYSTEMS MANAGEMENT

ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate.

At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core		
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
Information Systems Option		
IS 18	Spreadsheet Fundamentals	1.5
IS 40A	Web Development with HTML	3
IS 60	Operating Systems	3
IS 62	Computer Troubleshooting and Maintenance	2.5
Select one from the following		1
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
Select one from the following		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	36-37

Advisor(s): Morales

BUSINESS ADMINISTRATION: MANAGEMENT

(MAJOR #R.2064.AS)

ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate.

At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core		
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
Management Option		
BA15	Introduction to Management	3
BA 38	Operation of a Small Business	3
MKTG 10	Marketing	3
Select one from the following		1-3
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
BA 61	Field Studies in Business	3
Select one from the following		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	38

Advisor(s): Nasalroad, M. Sorensen

BUSINESS ADMINISTRATION: MARKETING
(MAJOR #R.2065.AS)
ASSOCIATE IN SCIENCE DEGREE

A student who completes this degree will be prepared to assume responsibility for an entry or mid-level managerial position in an organization. This degree provides students with a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, management, and computer information systems. Multiple options are available including: accounting, administration, entrepreneurship, general business, information systems, management, marketing, logistics & distribution and real estate.

At the time of graduation, a student completing the courses of study will be able to:

- Interpret the functions of business
- Prepare, read, analyze and communicate financial information
- Use financial information in decision-making
- Understand of the duties of a manager: planning, organizing, directing, and controlling
- Understand the fundamental legal concepts and their application to business
- Understand basic business computer applications
- Utilize written and oral communication skills

Business Administration Core		
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 33	Human Relations in Business	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
IS 15	Computer Concepts	3
Marketing Option		
MKTG 10	Marketing	3
MKTG 11	Salesmanship	3
MKTG 12	Advertising and Promotion	3
Select one from the following		1
BA 19V	Cooperative Work Experience, Business	1
BA 27	Collegiate Entrepreneurs Organization	1
BA 47	Careers-Business	1
Select one from the following		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	35-36

Advisor(s): Nasalroad, M. Sorensen

BUSINESS FOUNDATIONS (MAJOR #R.2031.CA)
CERTIFICATE OF ACHIEVEMENT

Students will obtain a foundational knowledge of modern business and management theories. They will have acquired the necessary skills, education and classroom experience to understand foundational business principles and be able to contribute this knowledge in entry level business positions.

Program Learning Outcome:
Upon successful completion of this program, the student will be able to create and interpret business documents by utilizing research and analytical skills learned in human relations, accounting, marketing, entrepreneurship, management, economics, and finance.

Required Courses

BA 18	Business Law and the Legal Environment	4
IS 15	Computer Concepts	3
Select one Accounting course		4
ACCTG 4A	Financial Accounting	4
ACCTG 40	Applied Accounting	4
Select one Economics course		3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
Select one course		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	17-18

Advisor(s): Meier, Seo, M. Sorensen

BUSINESS INTERN (MAJOR #R.204E.CA)
CERTIFICATE OF ACHIEVEMENT

Students who complete the outlined course of study will be prepared for entry-level positions in the world of business. They will have acquired the necessary skills, education, and classroom experience to understand basic business concepts and be able to contribute these skills in any entry-level position in business.

ACCTG 40	Applied Accounting	4
BA 18	Business Law and the Legal Environment	4
BA 38	Operation of a Small Business	3
BA 47	Careers-Business	1
IS 15	Computer Concepts	3
MKTG 10	Marketing	3
	Total Units	18

Advisor(s): Nasalroad

CERTIFICATE IN ENTRY LEVEL MANAGEMENT

Students who complete the outlined course of study will be prepared for entry-level, first-line supervisory positions. They will have acquired the necessary skills, education, and classroom experience to understand basic management principles and be able to contribute these skills immediately to business firms.

Program Learning Outcomes

Upon completion of the program students will be able to:

- Supervise and motivate coworkers to achieve company goals by utilizing planning techniques, organizational skills, motivational techniques, and healthy interpersonal communication.

BA 33	Human Relations in Business	3
BA 15	Introduction to Management	3
BA 38	Operation of a Small Business	3
	Total Units	9

SMALL BUSINESS (MAJOR #R.7090.CC)

CERTIFICATE OF COMPLETION

This program teaches a systematic approach to developing and managing a small business. Students develop expertise in the operations, marketing, human resource utilization, and financing of a small business venture. Also, this program identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and the key parts of a business plan.

BA 338	Operation of a Small Business	54
BA 352	Introduction to Entrepreneurshi	54
MKTG 310	Marketing	54
Select one course		54
BA 310	Introduction to Business	54
BA 315	Introduction to Management	54
	Total Hours	216

CHILD DEVELOPMENT - SEE EARLY CHILDHOOD EDUCATION

COMMUNICATION

COMMUNICATION (MAJOR #R.5342.AA)

ASSOCIATE IN ARTS DEGREE

The number one skill requested by employers is good communication skills. The associate degree in communication will give students a solid foundation of communication skills for a variety of situations. The overarching program outcome is that students will know how to gather, organize, and present information to others with confidence and competence. Communication courses focus on how people use messages to generate meaning within and across various contexts, cultures, and channels.

Student Learning Outcomes:

- Demonstrate and apply core communication theories and principles
- Construct and deliver competent presentations that are adapted to the audience and purpose
- Critically evaluate communicative situations

Communication AA

Required Core Courses		15
COMM 1	Public Speaking	3
	or	
COMM 1H	Honors Public Speaking	
COMM 2	Interpersonal Communication	3
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 25	Argumentation	3
	or	
COMM 25H	Honors Argumentation and Debate	3
Select one course		3
COMM 1	Public Speaking	3
COMM 1H	Honors Public Speaking	3
Select from the following		3
COMM 10	Intercultural Communication	3
COMM 12	Fundamentals of Interpretation	3
COMM 15	Computer-Mediated Communication	3
COMM 18	Introduction to Communication Theory	3
JOURN 1	Introduction to Mass Communications	3
PHIL 2	Critical Reasoning and Analytic Writing	3
	Total Units	18

Advisor(s): Buldo, Carvalho Cooley, Cooper

COMMUNICATION STUDIES (MAJOR #R.5343.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate students will have communication skills that are applicable in the workforce. Skills may include but are not limited to: gathering and organizing of information, analyzing the audience, presenting, discerning verbal and nonverbal communication signals, managing conflict, applying effective leadership characteristics, communicating inter personally, and recognizing the role of diversity. The Certificate of Achievement in Communication Studies is designed to enhance a student's ability to communicate in social, professional, and relational contexts. This certificate is intended to enhance the communication skills for students of all majors and career paths. Coursework may be applied toward an AA degree.

Student Learning Outcomes:

- Demonstrate the dynamics of effective communication in a variety of settings and contexts
- Construct and deliver presentations with communicative competence and confidence.

Select one		3
COMM 1	Public Speaking	3
COMM 1H	Honors Public Speaking	3
Select three courses		9
COMM 2	Interpersonal Communication	3
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 10	Intercultural Communication	3
COMM 12	Fundamentals of Interpretation	3
COMM 15	Computer-Mediated Communication	3
COMM 18	Introduction to Communication Theory	3
COMM 25	Argumentation	3
	or	
COMM 25H	Honors Argumentation and Debate	3
	Total Units	12

Advisor(s): Buldo, Carvalho Cooley, Cooper

COMPUTER SCIENCE

COMPUTER SCIENCE (MAJOR #R.6921.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon completion of the program, students will be able to: design algorithms to solve problems, create computer programs using an in-demand programming language to implement algorithms, demonstrate effective teamwork and interpersonal skills in completing computer programming projects, examine ethical considerations of computing projects, and demonstrate attention to readability and verification in a computer programming project. Students planning to transfer to a four-year college or university should familiarize themselves with the program requirements at the school to which they will transfer.

Program Learning Outcomes:

Upon successful completion of this program students will be able to:

- Examine ethical considerations of computing projects.
- Design algorithms to solve problems
- Create computer programs using an in-demand programming language to implement algorithms
- Demonstrate effective teamwork and interpersonal skills in completing computer programming projects.
- Demonstrate attention to readability and verification in a computer programming project

CSCI 40	Programming Concepts and Methodology I	4
CSCI 41	Programming Concepts and Methodology II	4
Select additional units from the following courses		12
CSCI 1	Introduction to Computer Science	3
CSCI 5	Java Programming	3
CSCI 26	Discrete Mathematics for Computer Science	4
CSCI 45	Computer Organization and Assembly Language Programming	4
CSCI 58	Programming Essentials in Python	3
MATH 5A	Math Analysis I	5
MATH 5B	Math Analysis II	4
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
	Total Units	20

Advisor(s): Sultana

COUNSELING

CSU GE BREADTH (MAJOR #R.3000.CA)
CERTIFICATE OF ACHIEVEMENT

The certificate of achievement in CSU GE provides students with an introduction to the breadth and depth of liberal arts and science with an emphasis in global perspectives. It provides students with a foundation in the liberal arts and sciences and prepares them for specialized study in a particular discipline or program. CSU Certification is not automatic, please request certification through Admission and Records. This Certificate of Achievement will allow the student to complete the lower division general education required courses but does not meet all the requirements for transfer (see Note). A course or sequence of courses used to satisfy a requirement in one area may not be used to satisfy a requirement in another area. Students should check with a counselor and review the Reedley College catalog for further clarification.

Note: The CSU Certificate of Achievement only confirms completing CSU general education requirements and does not meet Associate Degree or transfer admission requirements. CSU transfer admission requirements include the completion of 60 transferable units with a 2.0 or better GPA and 30 units of general education courses with "C" or better grades, including speech (A1), English composition (A2), critical thinking (A3), and mathematics (B4). It is not recommended for students with the following majors to complete this pattern: Engineering and Liberal studies

Program Learning Outcomes

Upon completion of this program, students will be able to:
Evaluate and apply a global understanding of the liberal arts and sciences. Measurement would be completion of a minimum 13 courses within the CSU GE pattern from the following areas:

- English Language Communication and Critical Thinking,
- Scientific Inquiry and Quantitative Reasoning,
- Arts and Humanities,
- Social Sciences, and
- Lifelong Learning and Self-Development.

Program Requirements

Courses that are approved for CSU GE Breadth vary annually.

The CSU GE-Breadth Requirements is a lower-division 39 semester (58.5 quarter) unit pattern. Transfer students must take specified courses in the areas of:

Requirements:

Area A:	English Communication and Critical Thinking	9.0 units
	Select one course from each area (A1, A2, A3)	
Area B:	Scientific Inquiry and Quantitative Reasoning	9.0 units
	Select one course from each area (B1, B2, and B4). One course with lab (B3)	
Area C:	Arts and Humanities	9.0 units
	Select one course from each area (C1, C2), plus an additional course from either area	
Area D:	Social Sciences	9.0 units
	Select three courses from a least two academic disciplines (CSU American Institutions may be completed in this area)	
Area E	Lifelong Learning and Self-Development	3.0 units
	Total	39.0 units

Each of the areas has a minimum number of units or courses. Please refer to the following table for AREA specific courses offered at Reedley College approved to satisfy CSU GE-Breadth AREAs

AREA A: English Language Communication and Critical Thinking: 9 semester units minimum required with at least one course each from A1, A2, and A3. ("C" or better grade required in A1, A2, and A3).

A1. Oral Communication (1 course minimum):

COMM 1**	Public Speaking	3
COMM 1H**	Honors Public Speaking	3
COMM 2	Interpersonal Communication	3
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 25	Argumentation	3

A2. Written Communication (1 course minimum):

ENGL 1A**	Reading and Composition	4
ENGL 1AH**	Honors Reading and Composition	4

A3. Critical Thinking (1 course minimum):

COMM 25	Argumentation	3
ENGL 2	Critical Reading and Writing Through Literature	3
ENGL 2H	Honors Critical Reading and Writing Through Literature	3
ENGL 3	Critical Reading & Writing	3
ENGL 3H	Honors Critical Reading & Writing	3
PHIL 2	Critical Reasoning and Analytic Writing	3
PHIL 4	Introduction to Logic	3
PHIL 6	Symbolic Logic	3

AREA B- Scientific Inquiry:
A minimum of 7 semester units with at least one course from AREA B.1 and AREA B.2. One course from AREA B.1 or B.2 must contain a laboratory component.

B1. Physical Science (1 course minimum):

ASTRO 10	Introduction to Astronomy	4
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic & Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
CHEM 10	Elementary Chemistry	4
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
GEOG 5	Physical Geography	3
GEOG 9	Physical Geography: Land Formation	3
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	3
GEOL 9	Introduction to Earth Science	4
GEOL 10	Rocks, Fossils, and Minerals	3
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
PLS 2	Soils	3
SCI 1A	Introduction to Chemical and Physical Science	4

B2. Life Science (1 course minimum):

AS 1	Introduction to Animal Science	3
BIOL 2	Environmental Science	4
BIOL 5	Human Biology	4
BIOL 10	Introduction to Life Science	3
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
NR 7	Conservation of Natural Resources	3
PLS 1	Introduction to Plant Science	3

B3: Laboratory Activity
Any course from B1 or B2 with a laboratory component

BIOL 10L	Introduction to Life Science Lab	1
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2L	Soils Laboratory	1

AREA B – Quantitative Inquiry:
A minimum of one course from AREA B.4

BA 39	Finite Mathematics for Business	3
CSCI 26	Discrete Mathematics for Computer Science	4
MATH 3A	College Algebra for STEM	3
MATH 4A	Trigonometry	4
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	4
MATH 10A	Mathematics for Elementary School Teachers I	3
MATH 10B	Mathematics for Elementary School Teachers II	3
MATH 11 **	Introduction to Statistics	4
MATH 11C**	Introduction to Statistics with Support	5
MATH 17	Differential Equations and Linear Algebra	5
MATH 45	Contemporary Mathematics	3
PLS 9	Biometrics	3
PSY 42	Statistics for the Behavioral Sciences	4
STAT 7	Elementary Statistics	4

AREA C- Arts and Humanities.
A minimum of 9 semester units with at least one course from AREA C.1-Arts and one course from AREA C.2-Humanities.

AREA C.1 - Arts

ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6**	Art History 2	3
ART 6H**	Honors Art History 2	3
ART 10	Beginning Wheel Throwing	3
COMM 12	Fundamentals of Interpretation	3
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema 1895-1960	3
FILM 2B	History of Cinema 1960-Present	3
MUS 12	Music Appreciation	3
MUS 12H	Honors Music Appreciation	3
MUS 16	Jazz History and Appreciation	3
PHOTO 1	Basics of Digital Photography	3

AREA C.2 - Humanities

ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
ASL 5	Deaf Culture	3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
ENGL 36	Women's Literature	3
ENGL 43A	American Literature: Origins Through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to Present	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature Since the Renaissance	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Culture	3
ESL 15	Advanced Academic Reading and Writing	6
FILM 2A	History of Cinema 1895-1960	3
FILM 2B	History of Cinema 1960-Present	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 11	History of the United States to 1877	3
HIST 12**	History of the United States Since 1865	3
HIST 12H**	Honors History of the United States Since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
LING 10	Introduction to Language	3
PHIL 1	Introduction to Philosophy	3
PHIL 1C**	Ethics	3
PHIL 1CH**	Honors Ethics	3
PHIL 1D	World Religions	3
PHIL 3A	History of Ancient Philosophy	3
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
SPAN 4NS	Spanish for Spanish Speakers	5
SPAN 5	The Short Story: Mexico Spain and the U.S.	4
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3

AREA D- Social and Behavioral Sciences:
A minimum of 9 semester units selected from at least of two different subject areas

AGBS 2	Agricultural Economics	3
ANTHRO 1	Biological Anthropology	3
ANTHRO 2	Cultural Anthropology	3
ANTHRO 3	Introduction to Archaeology and Prehistory	3
COMM 10	Intercultural Communication	3
CRIM 5	Community Relations	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 14	Multicultural Issues Within Public Safety	3
ECE 2	Child Growth and Development	3
ECE 4	Child, Family and Community	3
ECE 14**	Lifespan Development	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
ETHNST 5**	African People in the New World	3
ETHNST 32**	History of the Mexican American People	3
GEOG 6	World Regional Geography	3
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 5**	African People in the New World	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1835	3
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
HIST 32**	History of the Mexican American People (see Ethic Studies 32)	3
HS 20	Introduction to Social Welfare	3
JOURN 1	Introduction to Mass Communications	3
POLSCI 2**	American Government	3
POLSCI 2H**	Honors American Government	3

POLSCI 3	Introduction to Political Theory and Thought	3
POLSCI 5	Comparative Government	3
POLSCI 24	International Relations	3
PSY 2**	General Psychology	3
PSY 2H**	Honors General Psychology	3
PSY 5	Social Psychology	3
PSY 16	Abnormal Psychology	3
PSY 38**	Lifespan Development (see also Early Childhood Education 14)	3
PSY 45	Introduction to Research Methods in Psychology	3
SOC 1A	Introduction to Sociology	3
SOC 1B	Critical Thinking About Social Problems	3
SOC 2	American Minority Groups	3
SOC 11	Sociology of Gender	3

AREA E. Life Long Learning and Self-Development:
A minimum of 3 semester units.

COUN 53	College and Life Management	3
ECE 2	Child Growth and Development	3
ECE 14 **	Lifespan Development	3
FN 35	Nutrition and Health	3
HLTH 1	Contemporary Health Issues	3
PSY 2 **	General Psychology	3
PSY 2H **	Honors General Psychology	3
PSY 25	Human Sexuality	3
PSY 38 **	Lifespan Development	3
SOC 1A	Introduction to Sociology	3
SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships	3

Note: * Courses located in more than one AREA can only be used in one area

** Identifies courses that are considered "same as". You can only take one of the 2 courses (ECE 14 same as PSY 38)
To be fully certified, students must complete a minimum of 9 units each in Areas A, B, C, and D, and 3 units in Area E. At least 30 of these units must be completed with a grade of "C" or better, including the 9 units in Area A: Communication in the English Language; and 3 units in Area B-4: Mathematics.
*AP, CLEP, IB may be used to meet CSU General Education requirements for certification.

Note: Fulfilling the CSU minimum eligibility requirements does not guarantee admission to CSU campuses. Admission selection criteria vary widely by campus and by major. Consult with your counselor or a CSU campus representative to learn about the GPA and courses that may be required for admission to particular campuses and majors. Refer to the CSU Apply website for CSU transfer eligibility requirements (https://www2.calstate.edu/apply).

To be fully certified, students must complete a minimum of 9 units each in Areas A, B, C, and D, and 3 units in Area E. At least 30 of these units must be completed with a grade of "C" or better, including the 9 units in Area A: Communication in the English Language; and 3 units in Area B-4: Mathematics.
GE-Breadth Certification is not automatic and must be requested by the student at the same time transcripts are requested to be sent to the CSU following the posting of final grades.
Note: A single course, even though listed in more than one area, can only be used to satisfy one General Education requirement.

INTERSEGMENTAL GE TRANSFER CURRICULUM (IGETC)

(MAJOR #R.3100.CA)

CERTIFICATE OF ACHIEVEMENT

The general education or breadth requirements are designed to give CSU/UC undergraduates a broad background in all major academic disciplines-natural sciences, physical sciences, social sciences, mathematics, humanities and visual and performing arts. This certificate allows the student to complete Certification of the Intersegmental General Education Transfer Curriculum (IGETC) for the California State University (CSU) or University of California (UC). IGETC Certification is not automatic, please request certification through Admission and Records. This Certificate of Achievement will allow the student to complete the lower division general education required courses but does not meet all the requirements for transfer (see Note). A course or sequence of courses used to satisfy a requirement in one area may not be used to satisfy a requirement in another area. Students should check with a counselor and review the FCC college catalog for further clarification.

NOTE: The IGETC Certificate of Achievement only confirms completing CSU and/or UC general education requirements and does not meet Associate Degree of transfer admission requirements. Completion of IGETC is NOT an admission requirement to CSU or UC. It is not advisable for students who are pursuing majors that require extensive lower division preparation, such as Engineering or Liberal Studies, to follow IGETC. All courses must be completed with a "C" or better. Courses must be on the college's approved IGETC list at time the course was completed. Students should check with a counselor and review the Reedley College catalog for further clarification.

Program Learning Outcomes
Upon completion of this program, students will be able to:
Evaluate and apply a global understanding of the liberal arts and sciences. Measurement would be completion of a minimum 13 courses within the CSU GE pattern from the following areas:

1. Evaluate and apply a global understanding of the following academic disciplines: natural sciences, physical sciences, social sciences, mathematics, humanities, and visual and performing arts.

Area 1: English Communication
CSU – three courses required, one each from 1A, 1B, and 1C (nine semester units minimum);
UC – two courses required, one each from 1A and 1B (six semester units minimum).

1A English Composition .....3 semester units minimum

ENGL 1A	Reading and Composition	4
ENGL 1AH	Honors Reading and Composition	4

1B Critical Thinking-English Composition ..... 3 semester units minimum

ENGL 2	Critical Reading and Writing through Literature	3
ENGL 3	Critical Reading and Writing	3
ENGL 3H	Honors Critical Reading and Writing	3
PHIL 2	Critical Reasoning and Analytic Writing	3

1C-Oral Communication..... 3 semester units minimum
CSU requirement only

COMM 1	Public Speaking	3
COMM 1H	Honors Public Speaking	3
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 25	Argumentation	3

Area 2: Mathematical Concepts and Quantitative Reasoning ..... 3 semester units minimum

2A

BA 39	Finite Mathematics for Business	3
CSCI 26	Discrete Mathematics for Computer Science	4
MATH 3A	College Algebra for STEM	4
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 11	Introduction to Statistics	4
MATH 11C	Introduction to Statistics with Support	5
MATH 17	Differential Equations and Linear Algebra	5
PSY 42	Statistics for the Behavioral Sciences	4
STAT 7	Elementary Statistics	4

AREA 3: Arts and Humanities,.....9 semester units minimum
At least one from the Arts and one from Humanities

3A Arts

ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6	Art History 2	3
ART 6H	Honors Art History 2	3
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3
MUS 12	Music Appreciation	3
MUS 16	Jazz History and Appreciation	3

3B Humanities

ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
ASL 5	Deaf Culture	3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
ENGL 43A	American Literature: Origins through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to Present	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	3
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
LING 10	Introduction to Language	3
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
PHIL 1D	World Religions	3
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
SPAN 4NS	Spanish for Spanish Speakers	5
SPAN 5	The Short Story: Mexico, Spain, and the U.S.	4

Area 4: Social and Behavioral Sciences ..... 9 semester units minimum

At least 3 courses from at least 2 different disciplines

ANTHRO 1	Biological Anthropology	3
ANTHRO 2	Cultural Anthropology	3
ANTHRO 3	Introduction to Archaeology and Prehistory	3
COMM 10	Intercultural Communication	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 14	Multicultural Issues within Public Safety	3
ECE 2	Child Growth and Development	3
ECE 4	Child, Family and Community	3
ECE 14	Lifespan Development	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
ETHNST 5	African People in the New World	3
ETHNST 32	History of the Mexican American People	3
GEOG 6	World Regional Geography	3
HIST 5	African People in the New World	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	3
HIST 12H	Honors History of the United States since 1865	3
HIST 22	History of American Women	3
HIST 32	History of the Mexican American People	3
HS 20	Introduction to Social Welfare	3
JOURN 1	Introduction to Mass Communications	3
POLSCI 2	American Government	3
POLSCI 2H	Honors American Government	3
POLSCI 3	Introduction to Political Theory and Thought	3
POLSCI 5	Comparative Government	3
POLSCI 24	International Relations	3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
PSY 5	Social Psychology	3
PSY 16	Abnormal Psychology	3
PSY 38	Lifespan Development	3
PSY 45	Introduction to Research Methods in Psychology	3
SOC 1A	Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups	3
SOC 11	Sociology of Gender	3
SOC 32	Courtship, Marriage, and Divorce: Family and Interpersonal Relationships	3

Area 5: Physical and Biological Sciences ..... 7-9 semester units minimum

At least 2 courses, one Physical Science course and one Biological Science course; at least one must include a laboratory, which is underlined

5A PHYSICAL SCIENCE

ASTRO 10	Introduction to Astronomy	4
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 10	Elementary Chemistry	4
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
GEOG 5	Physical Geography: Environmental Conditions	3
GEOG 9	Physical Geography: Land Formation	3
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	3
GEOL 9	Introduction to Earth Science	4
GEOL 10	Rocks, Fossils, and Minerals	3
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
PLS 2	Soils	3
SCI 1A	Introductory Chemical and Physical Science	4

5B Biological Science

AS 1	Introduction to Animal Science	3
BIOL 2	Environmental Science	4
BIOL 5	Human Biology	4
BIOL 10	Introduction to Life Science Lecture	3
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
NR 7	Conservation of Natural Resources	3
PLS 1	Introduction to Plant Science	3

5C At least one lab course in Area 5

BIOL 10L	Introduction to Life Science Lab	1
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2L	Soils Laboratory	3

AREA 6: Language other than English

UC Requirement only

Proficiency equivalent to two years of high school study in the same language with "C" grade or better

ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language	4
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
FRENCH 4	High-Intermediate French	5
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish	5
SPAN 4NS	Spanish for Spanish Speakers	5

Notes:

*Courses listed above in more than one location will only be counted one time except for courses in Language Other Than English, which can be certified in Areas 3B and 6.

CSU Graduation Requirement in U.S. History, Constitution and American Ideals

This requirement may be met before or after transfer to the CSU. At the discretion of the CSU campus granting the degree, courses meeting this requirement may also be counted toward certification in general education. Students satisfy this CSU graduation requirement through coursework in three areas: US-1, US-2 and US-3. A student must take one course from each of the three areas. A student may use the same course to satisfy more than one area (US-1, US-2, US-3), if applicable.

Note: Fulfilling the UC minimum eligibility requirements does not guarantee admission to UC campuses. A*dmission selection criteria vary widely by campus and by major. Consult with your counselor or a UC campus representative to learn about the GPA and courses that may be required for admission to particular campuses and majors. Refer to the University of California website for UC transfer requirements: http://admission.universityofcalifornia.edu/transfer/index.html.*

AP scores of 3, 4 or 5 can be used to satisfy any IGETC subject area except the Critical Thinking/English Composition or the Oral Communication requirements (Areas 1B & 1C). Each AP score can only be used as one course. However, more than one AP score can be used in each area except Area 1. Refer to the chart available at (insert catalog hyperlink) or a list of approved AP scores and the corresponding IGETC area credit.

IB scores of 5, 6 or 7 can be used to satisfy certain IGETC subject areas. Each IB score can only be used as one course. However, more than one IB score can be used in each area. Refer to the chart available at (insert catalog hyperlink) for a list of approved IB scores and the corresponding IGETC area credit.

CRIMINOLOGY

CRIMINOLOGY-CORRECTIONS (MAJOR #R.888B.AS)
ASSOCIATE IN SCIENCE DEGREE

The Criminology Program is designed for those students interested in the academy, employment and/or further education in all aspects of the criminal justice system-criminology, law enforcement, the courts, corrections, probation and parole, juvenile procedures and private and industrial security. Some courses are offered on an as-needed basis and are predicated on minimum enrollment requirements; in addition some courses are offered as recommended electives. Students enrolling in Criminology courses with employment within the criminal justice system in mind should be aware that any person with a felony conviction, a cluster of driving violations, serious drug abuse, a bad credit rating, or found to be of "bad character" will not be eligible for criminal justice system employment.

Select 27-30 units from the following courses 27-30

CRIM 1	Introduction to Criminology	3
CRIM 3	Legal Aspects of Evidence	3
CRIM 4	Principles & Procedures of the Justice System	3
CRIM 6	Criminal Law	3
CRIM 8	Criminal Investigations	3
CRIM 12	Criminal Justice Communications	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 14	Multicultural Issues within Public Safety	3
CRIM 15	Introduction to Police Ethics	3
CRIM 19V	Cooperative Work Experience, Criminal Justice	3

CRIM 20	Introduction to Corrections	3
CRIM 23	Correctional Interviewing and Counseling	3
CRIM 24	Control and Supervision in Corrections	3
CRIM 28	Probation and Parole	3
Select 0-3 units from the following courses		0-3
CRIM 5	Community Relations	3
CRIM 7	Police Operations and Procedures	3
CRIM 10	Vice Control	3
	Total Units	30

CRIMINOLOGY-CORRECTIONS (MAJOR #R.888B.CA) CERTIFICATE OF ACHIEVEMENT

Purpose: The Criminal Justice Program is designed for those students interested in employment and/or further education in all aspects of the criminal justice system, including law enforcement, criminology, courts, corrections, probation and parole, juvenile authority, private and industrial security, and other related fields. The Reedley College Criminal Justice Program offers two specific options for which Certificates of Achievement may be earned: Law Enforcement Option and the Corrections Option.

There are also courses offered which are designed to meet the needs and desires of concerned and/or interested citizens regarding personal safety and protection. Some of these courses are offered on a short-term basis or on an as needed basis and are predicated on minimum enrollment.

Select 18 units		18
CRIM 1	Introduction to Criminology	3
CRIM 3	Legal Aspects of Evidence	3
CRIM 6	Criminal Law	3
CRIM 12	Criminal Justice Communications	3
CRIM 15	Introduction to Police Ethics	3
CRIM 20	Introduction to Corrections	3
CRIM 23	Correctional Interviewing and Counseling	3
CRIM 24	Control and Supervision in Corrections	3
	Total Units	18

CRIMINOLOGY-LAW ENFORCEMENT (MAJOR #R.888A.AS) ASSOCIATE IN SCIENCE DEGREE

The Criminology Program is designed for those students interested in the academy, employment and/or further education in all aspects of the criminal justice system-criminology, law enforcement, the courts, corrections, probation and parole, juvenile procedures and private and industrial security. Some courses are offered on an as-needed basis and are predicated on minimum enrollment requirements in addition some courses are offered as recommended electives. Students enrolling in Criminology courses with employment within the criminal justice system in mind should be aware that any person with a felony conviction, a cluster of driving violations, serious drug abuse, a bad credit rating, or found to be of bad character will not be eligible for criminal justice system employment.

Select 27-30 units from the following courses		27-30
CRIM 1	Introduction to Criminology	3
CRIM 3	Legal Aspects of Evidence	3
CRIM 4	Principles & Procedures of the Justice System	3
CRIM 5	Community Relations	3
CRIM 6	Criminal Law	3
CRIM 7	Police Operations and Procedures	3
CRIM 8	Criminal Investigations	3
CRIM 10	Vice Control	3
CRIM 12	Criminal Justice Communications	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 14	Multicultural Issues within Public Safety	3
CRIM 15	Introduction to Police Ethics	3
CRIM 19V	Cooperative Work Experience, Criminal Justice	3
Select 0-3 units from the following courses		0-3
CRIM 20	Introduction to Corrections	3
CRIM 23	Correctional Interviewing and Counseling	3
CRIM 24	Control and Supervision in Corrections	3
CRIM 28	Probation and Parole	3
	Total Units	30

CRIMINOLOGY-LAW ENFORCEMENT (MAJOR #R.888A.CA)
CERTIFICATE OF ACHIEVEMENT

Purpose: The Criminal Justice Program is designed for those students interested in employment and/or further education in all aspects of the criminal justice system, including law enforcement, criminology, courts, corrections, probation and parole, juvenile authority, private and industrial security, and other related fields.

The Reedley College Criminal Justice Program offers two specific options for which Certificates of Achievement may be earned: Law Enforcement Option and the Corrections Option.

There are also courses offered which are designed to meet the needs and desires of concerned and/or interested citizens regarding personal safety and protection. Some of these courses are offered on a short-term basis or on an as needed basis and are predicated on minimum enrollment.

Select 18 units.....18

CRIM 1	Introduction to Criminology 3	
CRIM 3	Legal Aspects of Evidence 3	
CRIM 6	Criminal Law 3	
CRIM 7	Police Operations and Procedures 3	
CRIM 8	Criminal Investigations..... 3	
CRIM 12	Criminal Justice Communications 3	
CRIM 13	The Constitution and Your Individual Rights 3	
CRIM 15	Introduction to Police Ethics 3	
	Total Units	18

DENTAL ASSISTING

DENTAL ASSISTING (MAJOR #R.4540.AS)
ASSOCIATE IN SCIENCE DEGREE

Students successfully completing this program will have a background in biodental sciences and practical training in dental infection control, chairside assisting, oral x-ray technology, coronal polish, dental sealants, licensed and unlicensed State of California Dental Assisting skills, and manipulation of dental materials. They will have the skills related to obtaining employment, resume writing and some business skills; related to insurance, scheduling and financials.

Additional Requirements:

- Completion of an American Heart Association or American Red Cross approved BLS Healthcare Providers course, and a physical clearance by a medical provider prior to participation in DA 101. Students admitted to the dental assisting program are expected to maintain a 2.0, "C" average in their dental assisting courses. Failure to maintain a 2.0, "C" average in DA courses will result in termination from the program. Students are required to purchase malpractice insurance, personal protection equipment, designated clinic attire, and a typodont. Immunization for Hepatitis B is recommended. Dental assisting courses cannot be taken while pregnant.
- 265 hours of supervised clinical training provides the student with an opportunity to refine his/her skills. Graduates of the RDA program have both the theory and practical skills to enter the job market and to qualify to sit for the Registered Dental Assistants Examination offered by the Dental Board of California. The Reedley College Dental Assisting Program, including coronal polish, dental sealant and oral radiology courses are approved by the Dental Board of California.

Program Learning Outcomes:

Upon successful completion of this program students will be able to:

- Demonstrate skills needed to assist the dentist at chairside utilizing four-handed dentistry techniques in team concepts: infection control, instrumentation and maintaining the operating field. Students must pass clinical patients and a written examination at 75% or better for dental sealants and coronal polishing.
- Demonstrate skills and knowledge needed to expose, process, and evaluate diagnostic films and pass the State Radiology Examination at 75% or better.

DA 101	Dental Assisting 1	22
DA 102	Dental Assisting 2	10.5
DA 103	Dental Assisting 3	5
	Total Units	37.5

Advisor(s): Parento, S. Sorensen

DENTAL ASSISTING (MAJOR #R.4540.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing this program will have the background in biodental sciences and practical training in dental office business procedures, chairside assisting, oral x-ray technology, coronal polish, and manipulation of dental materials

Program Learning Outcomes:
Upon successful completion of this program students will be able to:

- Demonstrate skills needed to assist the dentist at chairside utilizing four-handed dentistry techniques in team concepts: infection control, instrumentation and maintaining the operating field. Students must pass clinical patients and a written examination at 75% or better for dental sealants and coronal polishing.
- Demonstrate skills and knowledge needed to expose, process, and evaluate diagnostic films and pass the State Radiology Examination at 75% or better.

DA 101	Dental Assisting 1	22
DA 102	Dental Assisting 2	10.5
DA 103	Dental Assisting 3	5
	Total Units	37.5

Advisor(s): Parento, S. Sorensen

DEVELOPMENTAL SERVICES

CERTIFICATE IN DEVELOPMENTAL SERVICES CERTIFICATE IN LIFE SKILLS WORKABILITY EMPHASIS

(MAJOR #R.999B.CN)

The purpose of this certificate is to prepare students with a range of disabilities for greater independence and participation in their community. The student will learn the practical skills necessary for increasing their independence, ability to integrate more fully and take an active role within their community.

Upon completing this certificate the student will be able to:

- Complete employment applications, cover letters and résumés specific to identified open positions they choose to apply for.
- Demonstrate work readiness skills in time management, social interactions, attitude and personal presentation.
- Actively participate in completing the necessary steps to obtain employment.

Core Courses		
DEVSER 212	Health Management	2
DEVSER 213	Communication and Advocacy	2
DEVSER 214	Government Basics	2
DEVSER 262	Group Interaction for Students with Disabilities	2
DEVSER 277	Adapted Computer Literacy	2
Workability Emphasis - choose a minimum of 5 units		5
DEVSER 250	Workability Assessment and Career Awareness	3
DEVSER 251	Workability Preparation and Job Placement	3
DEVSER 252	Workability Strategies and Job Maintenance	2
DEVSER 255	Workability Experience	1-3
	Total Units	15

Advisor(s): Affeldt, Calhoun, Trimble

EARLY CHILDHOOD EDUCATION

ASSOCIATE TEACHER (MAJOR #R.5641.CA)
CERTIFICATE OF ACHIEVEMENT

This certificate provides the educational coursework that serves as the core curriculum for the early childhood education field and allows the student to work as a teacher in a private early care and education program. The student is also eligible to apply to the Commission on Teacher Credentialing for the Associate Teacher Child Development Permit. With an Associate Teacher Child Development Permit, an individual can work as an assistant or associate teacher in a publicly funded (Title 5) early care and education program.

Program Learning Outcomes:
Upon successful completion of this program, students will be able to:

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.

ECE 1	Principles and Practices of Teaching Young Children	3
ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE 19V	Cooperative Work Experience, Child Development	3
	Total Units	15.5

Advisor(s): Davidson, Marsh, Swallow

CHILD CARE FOR SCHOOL-AGE CHILDREN-TEACHER

(MAJOR #R.5642.CA)

CERTIFICATE OF ACHIEVEMENT

As a result of completing this program, students will be prepared and qualified to work in after school programs for school-age children

Program Learning Outcomes:

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

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.

Required Courses

ECE 2	Child Growth and Development	3
ECE 4	Child, Family, and Community	3
ECE 60	Introduction to School-Age Child Care	3
ECE 61	School-Age Child Care	3
Select 12 additional units from the following:		12
ECE 1	Principles and Practices of Teaching Young Children	3
ECE 3	Introduction to Curriculum	3.5
ECE 6	Health, Safety and Nutrition in Early Childhood Education	3
ECE 7	Diversity and Culture in Early Care and Education Programs	3
ECE 11	Guidance for Young Children	3
ECE 12	Child Abuse	3
ECE 13	Emergent Literacy	3
ECE 30	The Young Child with Special Needs	3
	Total Units	24-24.5

Advisor(s): Davidson, Marsh, Swallow

Requirement for the Teacher level of the Child Development Permit Matrix includes:

- 24 units in Child Development/Early Childhood Education, with 12 units from the core courses.
- 525 hours of work experience
- 16 units of General Education with at least one course in each of the following areas: Humanities/Fine Arts, Social Sciences, Math/Science English/Language Arts

CHILD DEVELOPMENT (MAJOR #R.5640.AS)

ASSOCIATE IN SCIENCE DEGREE

The associate in science degree in child development is designed to prepare students to work with young children in a variety of early care and education settings. Upon completion of the A.S. degree, a student possesses the course work required to work as a teacher in both private and public early care and education settings serving preschool-age children. Additionally, students completing documented work experience are eligible to apply for the California Child Development Permit through the Commission of Teacher Credentialing at either the Teacher, Master Teacher or Site Supervisor Level which qualifies the student to work in a State of California funded (Title 5) early care and education program.

Program Learning Outcomes:

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

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.

Required Core Courses

ECE 1	Principles and Practices of Teaching Young Children	3
ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE 6	Health, Safety and Nutrition in Early Childhood Education	3

ECE 5	Observation and Assessment	3
ECE 7	Diversity and Culture in Early Care and Education Programs	3
ECE 8	Early Childhood Practicum	4

Choose one additional lab from the courses listed below 3
Course Selection should be based an area of specialization: Preschool, Infant/Toddler, School-Age, Early Intervention

ECE 10	Advanced Practicum in Early Childhood Education	3
ECE 20	Infant and Toddler Practicum	3
ECE 31	Early Intervention	3
ECE 60	Introduction to School-Age Child Care	3

Choose 3 units from the courses below: 3
Consideration for course selection should be based on a specialization or career goals. It is recommended that you get guidance from one of the Child Development instructors.

ECE 11	Guidance for Young Children	3
ECE 12	Child Abuse	3
ECE 13	Emergent Literacy	3
ECE 15	Parent Education	3
ECE 21	Advanced Infant and Toddler Development	3
ECE 30	The Young Child with Special Needs	3
ECE 40	Administration I: Programs in Early Childhood Education	3
ECE 41	Administration II: Personnel and Leadership in Early Childhood Education	3
ECE 45	Adult Supervision and Mentoring in Early Care and Education	3
ECE 50	Family Child Care Programs	3
ECE 61	School-Age Child Care	3
	Total Units	31.5

Advisor(s): Davidson, Marsh, Swallow

CHILD DEVELOPMENT (MAJOR #R.5640.CA)
CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Child Development is designed to prepare students to work with young children in a variety of early care and education settings. Upon Completion of the Child Development Certificate of Achievement the student possesses the coursework required to work as a teacher in both a private or public early care and education setting serving preschool-age children. Additionally, with appropriate documented work experience, the student is eligible to apply for the California Child Development Permit through the Commission on Teacher Credentialing at the Associate Teacher level.

Program Learning Outcomes:
Upon successful completion of this program, students will be able to:

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.

ECE 1	Principles and Practices of Teaching Young Children	3
ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE 5	Observation and Assessment	3
ECE 6	Health, Safety and Nutrition in Early Childhood Education	3
ECE 7	Diversity and Culture in Early Care and Education Programs	3
ECE 8	Early Childhood Practicum	4
	Total Units	25.5

Advisor(s): Davidson, Marsh, Swallow

EARLY INTERVENTION ASSISTANT (MAJOR #R.5640.CA)
CERTIFICATE OF ACHIEVEMENT

As a result of completing this program, students will be prepared and qualified to work in after school programs for school-age children.

Program Learning Outcomes:
Upon successful completion of this program, students will be able to:

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.

- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession.

ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE 5	Observation and Assessment	3
ECE 6	Health, Safety and Nutrition in Early Childhood Education	3
ECE 7	Diversity and Culture in Early Care and Education Programs	3
ECE 11	Guidance for Young Children	3
ECE 20	Infant and Toddler Practicum	3
ECE 30	The Young Child with Special Needs	3
ECE 31	Early Intervention	3
	Total Units	30.5

Advisor(s): Davidson, Marsh, Swallow

FAMILY CHILD CARE (MAJOR #R.5646.CA)
CERTIFICATE OF ACHIEVEMENT

This certificate provides a foundation in early childhood education and is designed to meet the training needs of family child care providers; individuals who are licensed to care for children in their homes. Upon completion of this certificate, the student is prepared to offer quality in-home child care to families in the community.

Program Learning Outcomes:

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

- Integrate understanding of the needs, the characteristics and multiple influences on development of all children as related to high quality care and education of young children.
- Analyze, demonstrate and evaluate effective practice in working with young children.
- Design, implement and evaluate environments and activities that support positive developmental play and learning outcomes for all young children.
- Apply effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
- Apply ethical standards and professional behaviors that demonstrate understanding and knowledge, deepening the commitment to the Early Care and Education profession

ECE 2	Child Growth and Development	3
ECE 3	Introduction to Curriculum	3.5
ECE 4	Child, Family, and Community	3
ECE-6	Health, Safety and Nutrition in Early Childhood Education (formerly CHDEV 6)	3
ECE 50	Family Child Care Programs	3
	Total Units	15.5

Advisor(s): Davidson, Marsh, Swallow

ENGINEERING

CIVIL ENGINEERING (MAJOR #R.3050.AS)
ASSOCIATE IN SCIENCE DEGREE

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer drafting, solid modeling, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Select 13-17 units:		13-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 2	Engineering Graphics	4
ENGR 4	Engineering Materials	3
ENGR 4L	Engineering Materials Laboratory	1
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 8	Statics	3
ENGR 40	Programming for Scientists and Engineers	4
NR 17	Introduction to Forest Surveying	3
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	42-46

CIVIL ENGINEERING (MAJOR #R.3050.CA)
CERTIFICATE OF ACHIEVEMENT

Students will gain skills in such areas as computer drafting, solid modeling, engineering design, and problem solving, and learn the fundamentals of physics, chemistry and engineering while completing the basic coursework required for transfer in civil engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 13-17 units:		13-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 2	Engineering Graphics	4
ENGR 4	Engineering Materials	3
ENGR 4L	Engineering Materials Laboratory	1
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 8	Statics	3
ENGR 40	Programming for Scientists and Engineers	4
NR 17	Introduction to Forest Surveying	3
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	42-46

COMPUTER ENGINEERING (MAJOR #R.3060.AS)
ASSOCIATE IN SCIENCE DEGREE

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer programming, electric circuits, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 15-17 units:		15-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 26	Discrete Mathematics for Computer Science	4
CSCI 40	Programming Concepts and Methodology I	4
CSCI 41	Programming Concepts and Methodology II	4
CSCI 45	Computer Organization and Assembly Language Programming	4
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	44-46

COMPUTER ENGINEERING (MAJOR #R.3060.CA)
CERTIFICATE OF ACHIEVEMENT

Students will gain skills in such areas as computer programming, electric circuits, engineering design, and problem solving, and learn the fundamentals of physics, chemistry and engineering while completing the basic coursework required for transfer in computer engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 15-17 units:		15-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 26	Discrete Mathematics for Computer Science	4
CSCI 40	Programming Concepts and Methodology I	4
CSCI 41	Programming Concepts and Methodology II	4
CSCI 45	Computer Organization and Assembly Language Programming	4
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	44-46

ELECTRICAL ENGINEERING (MAJOR #R.3070.AS)
ASSOCIATE IN SCIENCE DEGREE

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer programming, electric circuits, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.

- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 15-17 units:		15-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	44-46

ELECTRICAL ENGINEERING (MAJOR #R.3070.CA)
CERTIFICATE OF ACHIEVEMENT

Students will gain skills in such areas as computer programming, electric circuits, engineering design, and problem solving, and learn the fundamentals of physics, chemistry and engineering while completing the basic coursework required for transfer in computer engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 15-17 units:		15-17
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	44-46

ENGINEERING (MAJOR #R.3010.AS)
ASSOCIATE IN SCIENCE DEGREE

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer drafting, solid modeling, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Program Learning Outcomes:

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

Required courses		12
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4

Select one course		4-5
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
Select one course		2
ENGR 10	Introduction to Engineering	2
INTDS 100	STEM Projects	2
INTDS 101	STEM Careers	2
INTDS 102	STEM Education	2
INTDS 103	Technological Advances in STEM	2
Select one course		3-4
CSCI 40	Programming Concepts and Methodology I	4
ENGR 2	Engineering Graphics	4
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 40	Programming for Scientists and Engineers	4
Select one course from ENGR 6, 8 or two courses from ENGR 4 and 4L		3-4
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 8	Statics	3
ENGR 4	Engineering Materials and	
ENGR 4L	Engineering Materials Laboratory	4
	Total Units	24-27

Advisor(s): Heathcote

MECHANICAL, AEROSPACE, AND MANUFACTURING ENGINEERING (MAJOR #R.3080.AS)
ASSOCIATE IN SCIENCE DEGREE

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer drafting, solid modeling, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.
- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 14-17 units:		14-17
CHEM 1A	General Chemistry	5
CSCI 40	Programming Concepts and Methodology I	4
ENGR 2	Engineering Graphics	4
ENGR 4	Engineering Materials	3
ENGR 4L	Engineering Materials Laboratory	1
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 8	Statics	3
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	43-46

MECHANICAL, AEROSPACE, AND MANUFACTURING ENGINEERING (MAJOR #R.3080.CA
CERTIFICATE OF ACHIEVEMENT

Students will gain skills in such areas as computer drafting, solid modeling, engineering design, and problem solving, and learn the fundamentals of physics, chemistry and engineering while completing the basic coursework required for transfer in mechanical, aerospace, or manufacturing engineering.

Program Learning Outcomes:

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

- Apply knowledge of mathematics, science, and engineering fundamentals.
- Identify, formulate, and solve basic engineering problems.
- Apply mathematical models to real world situations.
- Make basic design decisions concerning appropriate level engineering problems.

- Communicate effectively, orally, in writing, and graphically.
- Understand the impact of engineering solutions in a global and societal context.
- Use the techniques, skills, and modern engineering tools necessary in engineering practice.

ENGR 10	Introduction to Engineering	2
MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
Select 14-17 units:		14-17
CHEM 1A	General Chemistry	5
CSCI 40	Programming Concepts and Methodology I	4
ENGR 2	Engineering Graphics	4
ENGR 4	Engineering Materials	3
ENGR 4L	Engineering Materials Laboratory	1
ENGR 5	Programming and Problem Solving in MATLAB	3
ENGR 6	Electric Circuit Analysis with Lab	4
ENGR 8	Statics	3
ENGR 40	Programming for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
	Total Units	43-46

ENGLISH

CREATIVE WRITING (MAJOR #R.5300.CA)
CERTIFICATE OF ACHIEVEMENT

This Creative Writing Certificate of Achievement requires the successful completion of at least twelve units of creative writing courses and may be used as verification of writing knowledge or competency for entry-level jobs in fields such as tutoring, editing and publishing, and journalism. The Creative Writing Certificate of Achievement will also prepare students entering an English and/or Creative Writing program at a four-year college or university. Students will choose from a range of creative writing genres: creative nonfiction, fiction, literary journal publication, poetry, and screenwriting.

Program Learning Outcome:

Upon successful completion of this program students will be able to:

- Identify the thematic implications of an image or recurring motif in their own work and the work of professional writers.

Select		12-15
ENGL 15A	Creative Writing: Poetry	3
ENGL 15B	Creative Writing: Fiction	3
ENGL 15E	Creative Writing: Non-Fiction	3
ENGL 15F	Creative Writing: Screenwriting	3
ENGL 15J	Literary Journal Publication	3
	Total Units	12-15

Advisor(s): Apperson, Connelly, Dominguez, Garabedian, Garza, Karle, LaSalle, Levine, Lyons, Maryanow, Paul, Snyder, Stamper, Thurber, Watts

ENGLISH (MAJOR #R.5300.AA)
ASSOCIATE IN ARTS DEGREE

Program Learning Outcomes:

- Write a passing documented thesis/argument based research paper, free of intentional or unintentional plagiarism with annotated bibliography.

A student graduating with an Associate in Arts Degree in English will have successfully completed classes in composition, literature, linguistics, and critical thinking. All students will have written a passing research paper with proper documentation and will have demonstrated transfer level essay writing proficiency based on department rubric.

Select one (1) course from the following:		3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
Select one (1) course from the following:		3
ENGL 2	Critical Reading and Writing through Literature	3
ENGL 2H	Honors Critical Reading and Writing through Literature	3
ENGL 3	Critical Reading and Writing	3
ENGL 3H	Honors Critical Reading and Writing	3

Select 14 units from the following:		14
ENGL 15A	Creative Writing: Poetry	3
ENGL 15B	Creative Writing: Fiction	3
ENGL 15E	Creative Writing: Non-Fiction	3
ENGL 15F	Creative Writing: Screenwriting	3
ENGL 15J	Literary Journal Publication	3
ENGL 36	Women's Literature	3
ENGL 41	Themes in Literature	4
ENGL 43A	American Literature: Origins through Reconstruction 1877	3
ENGL 43B	American Literature: 1877 to Present	3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to present	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
ENGL 72	Reading and Writing Center Theory and Practice	1
ENGL 72A	Advanced Reading and Writing Center Theory and Practice	1
ENGL 74	Children's Literature	3
ENGL 75	Young Adult Literature	3
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3
Select one (1) course from the following:		3
LING 10	Introduction to Language	3
LING 11	Introduction to Language for Teachers	3
	Total Units	23

Advisor(s): Apperson, Connelly, Dominguez, Garabedian, Garza, Karle, LaSalle, Levine, Lyons, Maryanow, Paul, Snyder, Stamper, Thurber, Watts

LITERATURE (MAJOR #R.5310.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing this certificate will have at least twelve units of literature courses as verification of literature knowledge or competency for entry-level jobs in fields such as tutoring, editing and publishing, journalism, theater, and entertainment. The certificate in literature will also validate the experience of the student entering an English program at a four-year college or university.

Program Learning Outcome:

Upon successful completion of this program students will be able to:

- Demonstrate an understanding of a broad range of literary works by analyzing major themes and literary techniques.

Select one course		3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
Select one course		3
ENGL 43A	American Literature: Origins through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to present	3
Select one course		3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
Select one or two courses		3-6
ENGL 36	Women's Literature	3
ENGL 41	Themes in Literature	4
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
ENGL 74	Children's Literature	3
ENGL 75	Young Adult Literature	3
	Total Units	12-15

ENGLISH AS A SECOND LANGUAGE

ACADEMIC AND VOCATIONAL ENGLISH AS A SECOND LANGUAGE (MAJOR #R.3032.CP)
CERTIFICATE OF COMPETENCY

The Certificate of Competency in Academic and Vocational English as a Second Language prepares intermediate level ESL students with the reading, writing and oral skills in English needed to succeed in a variety of advanced academic and vocational situations. Students attaining this certificate will be ready to begin study in vocational and academic programs.

Program Learning Outcomes

Upon completion of this program, students will be able to:

- Analyze and synthesize concepts in college-level texts.
- Write a basic in-class, timed essay at the high intermediate level;
- Write multiple-draft, source-based essays of at least 1200 words with limited second-language errors.
- Compose in-class timed essays with limited second-language errors on an assigned topic related to class readings.
- Identify and edit second language writing errors at the high intermediate level;
- Demonstrate critical reading in high-intermediate texts;

Required Core		216
ESL 314	High-Intermediate Academic Reading and Writing	
ESL 315	Advanced Academic Reading and Writing	
Select two courses		108
ESL 314G	High-intermediate Academic Grammar	
ESL 314LS	High-intermediate Listening and Speaking	
ESL 315G	Advanced Academic Grammar	
ESL 315LS	Advanced Listening and Speaking	
	Total Hours	324

Advisor(s): Al Haider, Nippoldt

BASIC ENGLISH AS A SECOND LANGUAGE
(MAJOR #R.3011.CP)
CERTIFICATE OF COMPETENCY

The Certificate of Competency in Basic English as a Second Language prepares beginning level ESL students with reading, writing, and oral skills in English needed to succeed in a variety of basic social and vocational situations. Students attaining this certificate will be ready to begin study toward the Intermediate Academic and Vocational English as a Second Language Certificate.

Program Learning Outcomes:

Upon completion of this certificate, students will be able to:

- Read and understand beginning-level texts;
- Write sentences and basic paragraphs at the beginning level; and
- Recognize and use beginning grammar structures.

Required Core		216
ESL 310	Low-Beginning Reading, Writing and Grammar	
ESL 311	High-beginning Reading, Writing and Grammar	
Select one course		108
ESL 310LS	Low-beginning Listening and Speaking	
ESL 311LS	High-beginning Listening and Speaking	
	Total Hours	324

Advisor(s): Al Haider, Nippoldt

INTERMEDIATE ACADEMIC AND VOCATIONAL ENGLISH AS A SECOND LANGUAGE (MAJOR #R.3021.CP)
CERTIFICATE OF COMPETENCY

The Certificate of Competency in Intermediate Academic and Vocational English as a Second Language prepares high-beginning to low-intermediate ESL students with reading, writing and oral skills in English needed to succeed in a variety of intermediate social vocational and academic situations. Students attaining this certificate will be ready to begin study toward the Advanced Academic and Vocational English as a Second Language Certificate.

Certificate Student Learning Outcomes

Upon completion of this certificate, students will be able to:

- Write multiple draft paragraphs at the low-intermediate level;
- Write a basic in-class, timed essay at the high-intermediate level.
- Write a basic in-class timed paragraph at the low-intermediate level;
- Write multiple-draft basic academic essays at the high-intermediate level.
- Identify and correct common ESL writing errors at the low-intermediate level;
- Understand and analyze concepts in high-intermediate texts.
- Read and understand low-intermediate academic texts;
- Demonstrate critical reading in low-intermediate level texts; and
- Demonstrate an understanding of vocabulary in low-intermediate texts

Required Core		216
ESL 312	Low-Intermediate Reading, Writing, and Grammar	
ESL 313	Intermediate Academic Reading and Writing	

Select one option..... 108
Option 1
ESL 312LS Low-intermediate Listening and Speaking
Option 2
ESL 313G Intermediate Academic Grammar
ESL 313LS Intermediate Listening and Speaking
Total Hours 324

Advisor(s): Al Haider, Nippoldt

VOCATIONAL ENGLISH AS A SECOND LANGUAGE - INTERMEDIATE (MAJOR #R.4020.CP)
CERTIFICATE OF COMPETENCY

The Certificate of Competency in Vocational English as a Second Language - Intermediate prepares ESL students with English for vocational purposes. Students attaining this certificate will have intermediate written and oral skills in English needed to succeed in a variety of workplace situations.

Program Learning Outcomes:
Upon completion of this certificate, students will be able to:

- demonstrate basic written communication skills for the workplace at the intermediate level
- demonstrate basic oral communication in controlled, simulated workplace contexts at the intermediate level
- recognize and use basic grammar structures at the intermediate level

VESL 312 English for the Workplace - Low-Intermediate.....36-72
VESL 313 English for the Workplace - Intermediate.....36-72
Total Hours 72-144

Advisor(s): Al Haider, Nippoldt

ENOLOGY - SEE PLANT SCIENCE

ENVIRONMENTAL HORTICULTURE

Program Learning Outcomes:

- Demonstrate a proficiency in performing basic tasks of landscape installation/construction [with minimal technical supervision].
- Demonstrate a proficiency in performing basic tasks of landscape and turf maintenance, irrigation analysis and repair, pruning, trimming, and mowing skills.
- Demonstrate a proficiency in performing basic landscape design activities including client contact, site measuring, evaluation of client needs, final plan design, and cost estimates to clients.
- Demonstrate a proficiency in basic plant identification and usage associated with the horticulture industry including water-wise gardening techniques.
- Demonstrate a proficiency in basic plant propagation and production tasks with emphasis on nursery operations.
- Demonstrate a proficiency in basic retail nursery tasks including display merchandising and salesmanship, and concepts of quality, service, and knowledge.
- Demonstrate a proficiency in digital/electronic technology as found in the horticulture business industry.
- Demonstrate proficiency in common workday tasks such as filling-out timesheets and absence forms as well as a basic understanding of employment policies and ethics.

ENVIRONMENTAL HORTICULTURE (MAJOR #R.1061.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon completion of the Environmental Horticulture Associate in Science Degree, students will have developed skills and competencies in landscape design and maintenance, plant propagation and production, floral design, pest management, irrigation installation, and water management. The skills and knowledge developed by students through this course of study will successfully prepare them to assume responsibility for leadership and management positions in horticultural business organizations and/or governmental agencies such as landscape contracting, landscape and grounds maintenance, landscape design, retail and wholesale nursery operations, pest control, floral design, and other environmental horticulture industry sectors.

Agriculture Core 28
AGBS 3 Agriculture Accounting 3
AGBS 4 Computer Applications in Agriculture 3
AGBS 5 Ag Sales and Communications 3
AGBS 6 Career Preparation 1
AGBS 7 Career Leadership Seminar..... 1
MAG 40 Introduction to Agriculture Mechanics 3
PLS 1 Introduction to Plant Science 3
PLS 1L Introduction to Plant Science Laboratory 1
PLS 2 Soils 3
PLS 2L Soils Laboratory 1
PLS 5 Principles of Irrigation Management 3
PLS 7 Integrated Pest Management 3

Environmental Horticulture Concentration		12
EH 30	Principles of Environmental Horticulture	3
EH 37	Beginning Floral Design	3
EH 43	Plant Propagation/ Production	3
EH 48	Landscape Design	3
	Total Units	40

Advisor(s): Smith, Woodard

ENVIRONMENTAL HORTICULTURE (MAJOR #R.1061.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this program of study, students will be prepared for entry-level positions in the Environmental Horticulture Industry. Students will have acquired the skills, knowledge and attributes necessary to assist with the day-to-day operations within the Environmental Horticulture industry. This program of study will develop student competencies in floral arrangement and design, plant propagation techniques and greenhouse operation, landscape design and maintenance, and the fundamental knowledge of current horticulture practices.

EH 30	Principles of Environmental Horticulture	3
EH 37	Beginning Floral Design	3
EH 43	Plant Propagation/Production	3
EH 48	Landscape Design	3
	Total Units	12

FINE ARTS

FINE ARTS (MAJOR #R.5320.AA)
ASSOCIATE IN ARTS DEGREE

The fine arts major is an interdisciplinary program which embraces the philosophy that the arts communicate value through both content and performance experience. Subjects in the fine arts complement each other to give the student a well-rounded arts background. The fine arts program is well suited for the transfer student as well as the student who completes his/her education at Reedley College.

Program Learning Outcomes:

- Demonstrate progressive technical comprehension and practice of one or more artistic media.
- Demonstrate an aesthetic and intellectual comprehension of culturally diverse works in the visual arts (both traditional and new media) and the performing arts (including music).

Required Course		3
PHOTO 1	Basics of Digital Photography	3
Select from the following:		3
ART 2	Introduction to Visual Culture	
ART 5	Art History 1	
ART 6	Art History 2	
ART 6H	Honors Art History 2	
Select from the following:		3
MUS 1A	Music Theory I	
MUS 3	Music Fundamentals	
Select from the following:		3
ART 7	Beginning Drawing	
ART 9	Beginning Painting: Oil and Acrylic	
ART 10	Beginning Wheel Throwing	
Select from the following:		3
MUS 12	Music Appreciation	
MUS 16	Jazz History And Appreciation	
Select from the following:		2
MUS 20	Beginning Piano: Level I	
MUS 21	Beginning Piano: Level II	
MUS 22	Intermediate/Advanced Piano	
MUS 31	Concert Choir	
MUS 33	Chamber Singers	
MUS 40	Concert Band	
MUS 41	Jazz Ensemble	
MUS 45	College Orchestra	
	Total Units	20

Advisor(s): Carrera, Hicks

FLIGHT SCIENCE

FLIGHT SCIENCE (MAJOR #R.8502.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate Degree in Flight Science is designed to provide students the knowledge, skills, and flight experience required to become certified commercial airplane pilots and flight instructors. Students will complete academic, simulator, and flight courses taught within the guidelines of the Federal Aviation Administration. Emphasis is placed on aeronautical decision making, flight safety, and effective teaching techniques. As courses within the degree are successfully completed, the student will earn the Private Pilot Certificate, Instrument Rating, Commercial Pilot Certificate, and Flight Instructor Certificate. Degree graduates will be ready to enter the aviation industry as commercial airplane pilots and flight instructors.

Program Learning Outcomes:

1. Apply situational awareness and decision making skills.
2. Demonstrate proficiency of take-offs, landings, and missed approaches.
3. Evaluate how day-to-day weather elements like clouds, wind, and rain affect flight operation and interpret graphic weather products such as surface analysis, weather depiction, and prognostic charts.

4. Exhibit proper emergency procedures decision-making skills.
5. Demonstrate flight proficiency during instrument approach procedures.
6. Effectively communicate with students while demonstrating proper coordination of flight controls.

Required Courses

FLGHT 101	Private Pilot 1 Ground School	4
FLGHT 105	Private Pilot 1 Flight Lab	1
FLGHT 106	Private Pilot 2 Flight Lab	1.5
FLGHT 107	Private Pilot 1 Simulation Lab	.5
FLGHT 108	Private Pilot 2 Ground School	4
FLGHT 109	Private Pilot 2 Simulation Lab	.5
FLGHT 111	Instrument Rating Ground School	5
FLGHT 113	Advanced Meteorology	3
FLGHT 115	Instrument Rating Flight Lab	2
FLGHT 117	Instrument Rating Simulation Lab	.5
FLGHT 121	Commercial Pilot Ground School	5
FLGHT 125	Commercial Pilot 1 Flight Lab	2.5
FLGHT 126	Commercial Pilot 2 Flight Lab	2.5
FLGHT 131	Flight Instructor Ground School	5
FLGHT 135	Flight Instructor Flight Lab	1.5

General Education and Graduation Requirements

Total Units 38.5

FORESTRY AND NATURAL RESOURCES

Program Learning Outcomes:

- Communicate effectively, including use of proper presentation and interpretative techniques to, the public and co-workers, using diverse media.
- Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication.
- Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the natural resources industry, providing a base for decision making and credibility in personal interactions and career decisions.
- Perform technical skills important for entry level positions in the forestry and natural resources field.
- Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
- Describe scientific concepts and processes which affect the sustainability of natural resources.

CERTIFICATE IN BACKCOUNTRY SKILLS

(MAJOR #R.1106.CN)

Students earning this certificate will gain the skills necessary to travel and navigate safely in the backcountry for multiple days. Students seeking employment in the fields of recreation, forestry, or natural resources will be well prepared for extended and independent backcountry assignments.

NR 90	Backpacking	1
NR 91	Orienteering	1
NR 92	Wilderness Survival	1
	Total Units	3

Advisor(s): Long, Rodriguez, Soderlund

FOREST SURVEYING TECHNOLOGY (MAJOR #R.6830.CA) CERTIFICATE OF ACHIEVEMENT

Students will have the knowledge, training, and hands-on experience to pursue a career in Natural Resources emphasizing the measurement of objects at or near the Earth's surface in the context of managing resources for multiple use. They will enter the workforce with specialized surveying, mapping, GIS, GPS, and photo interpretive training.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Communicate effectively, including use of proper presentation and interpretative techniques to, the public and co-workers, using diverse media.
- Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication.
- Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the natural resources industry, providing a base for decision making and credibility in personal interactions and career decisions.
- Perform technical skills important for entry level positions in the forestry and natural resources field.

- Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
- Describe scientific concepts and processes which affect the sustainability of natural resources.

Required Core		12
NR 8	Natural Resources Career Preparation	1
NR 17	Introduction to Forest Surveying	3
NR 18	Remote Sensing & Geographic Information Systems	3
NR 19V	Cooperative Work Experience – Forestry	2
NR 20	Forest Measurements	3
Select two (2)		1
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	.5
NR 116	Advanced Field Studies II	.5
Select one math course		3-5
BA 39	Finite Mathematics for Business	3
CSCI 26	Discrete Mathematics for Computer Science	4
MATH 3A	College Algebra for STEM	4
MATH 4A	Trigonometry	4
MATH 5A	Calculus I	5
MATH 11	Introduction to Statistics	4
MATH 11C	Introduction to Statistics with Support	5
MATH 45	Contemporary Mathematics	3
MATH 103	Intermediate Algebra for STEM	5
PLS 9	Biometrics	3
PSY 42	Statistics for the Behavioral Sciences	4
STAT 7	Elementary Statistics	4
	Total Units	16-18

Advisor(s): Long, Rodriguez, Soderlund

FORESTRY (MAJOR #R.1210.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree in Forestry is designed to provide students with the knowledge, training, and hands-on experience necessary to pursue a career in forestry. Students are exposed to the guiding principles and philosophies of forestry and natural resource management in the context of ecosystem management. Following completion of this program, students will have the specialized training and technical skills for entry-level positions that can lead to accelerated advancement into supervisory and/or management positions. Opportunities exist within private, state and federal agencies such as Cal Fire and U.S. Forest Service. Careers abound in the areas of timber management, forest surveying, and land management.

Program Learning Outcomes:

1. Understand which silvicultural systems can be used to achieve different forest management objectives.
2. Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and surveying.
3. Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the forestry industry, providing a base for decision making and credibility in personal interactions and career decisions.
4. Perform technical skills important for entry level positions in the forestry field, such as timber cruising.
5. Successfully secure and maintain seasonal employment in the forestry field while demonstrating professional ethics.
6. Describe scientific concepts and processes which affect the sustainability of natural resources.

Required Courses		
NR 1	Introduction to Forestry	3
NR 3	Computers in Natural Resources	1
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 8	Natural Resources Career Preparation	1
NR 11	Silviculture	3
NR 17	Introduction to Forest Surveying	3
NR 18	Remote Sensing & Geographic Information Systems	3
NR 19V	Cooperative Work Experience – Forestry	2
NR 20	Forest Measurements	3
NR 21	Forest Products	3
NR 22	Forest Protection	2
NR 25	Forest and Resource Management	1
NR 35	Interpretation of Natural Resources	3

Required Courses - select 2 units from following:		2
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	.5
NR 116	Advanced Field Studies II	.5
Restricted Electives - select at least 3 units from following		3
NR 5	Wildland Fire Technology	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 30	Forest Recreation	3
NR 31	Animal Packing	2
NR 32A	Museum Techniques-Beginning Taxidermy	1
NR 32B	Museum Techniques-Intermediate Taxidermy	1
NR 32C	Museum Techniques-Advanced Taxidermy	1
NR 34	Conservation Laboratory	1
NR 45	Fuels Management	3
NR 90	Backpacking	1
NR 91	Wilderness Navigation	1
NR 92	Wilderness Survival	1
NR 133	Introduction to Chainsaw Operations	1
	Total Credits	39

Advisor(s): Long, Rodriguez, Soderlund

FORESTRY AND NATURAL RESOURCES TRAINING

(MAJOR #R.1107.CA)

CERTIFICATE OF ACHIEVEMENT

Students will have broad-based knowledge, training, and hands-on experience to pursue a career in Forestry and Natural Resources. Following completion of this program, students will be able to enter the workforce as a generalist to allow flexibility in pursuing careers in Forestry and Natural Resources management.

Program Learning Outcomes:

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

- Communicate effectively, including use of proper presentation and interpretative techniques to the public and co-workers using diverse media.
- Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication.
- Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the natural resources industry, providing a base for decision making and credibility in personal interactions and career decisions.
- Perform technical skills important for entry level positions in the forestry and natural resources field.
- Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
- Describe scientific concepts and processes which affect the sustainability of natural resources.

Required Courses		
NR 1	Introduction to Forestry	3
NR 4	Forest Ecosystems	3
NR 8	Natural Resources Career Preparation	1
Select two (2)		1
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	.5
NR 116	Advanced Field Studies II	.5
Select at least 8 units from following:		8
NR 3	Computers in Natural Resources	1
NR 5	Wildland Fire Technology	3
NR 6	Dendrology	3
NR 17	Introduction to Forest Surveying	3
NR 18	Remote Sensing & Geographic Information Systems	3
NR 20	Forest Measurements	3
NR 21	Forest Products	3
NR 30	Forest Recreation	3
NR 31	Animal Packing	2
NR 32A	Museum Techniques-Beginning Taxidermy	1
NR 90	Backpacking	1
NR 91	Wilderness Navigation	1
NR 92	Wilderness Survival	1
NR 133	Introduction to Chainsaw Operations	1
	Total Units	16

Advisor(s): Long, Rodriguez, Soderlund

FORESTRY TECHNICIAN- FIRE SUPPRESSION

(MAJOR #R.1115.CA)

CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level forestry technician, wildland firefighter or fuels reduction crewmember. Students will receive instruction in the areas of wildland firefighting fundamentals, risk management, wildland fire behavior, human factors effecting human performance, chainsaw operations, chainsaw and hand tool use, prescribed fire and fuels reduction operations and federal physical readiness standards. Training will require arduous working conditions similar to those performed as a wildland firefighter. In addition, students who complete the course will receive all of the essential certificates required from the National Wildfire Coordinating Group for employment into the wildland fire service. Students will be expected to operate in a physically demanding workplace like environment where safety and skills are emphasized. Due to the requirements for federal and state employment both physical and other applicable prerequisites may be required. Highly recommended students will also have the exclusive opportunity for immediate job placement with local National Forest Organized Wildland Fire Crews.

Program Learning Outcomes:

- Explain the fundamental wildland fire principals surrounding safety, operational engagement and risk management.
- Demonstrate safe efficient line construction tactics and knowledge of fundamental fire behavior factors including fuels, topography and weather.
- Communicate effectively utilizing programmable radio systems, formalized briefings, and other non-verbal methods.
- Demonstrate the use of the incident command structure to manage span of control and incident organization.
- Demonstrate a working knowledge of the factors effecting human performance in high risk environments.
- Apply appropriate use and maintenance of wildland fire hand tools and power tools.
- Explain the fundamentals of prescribed fire and fuels reduction operations and the associated tactics and equipment.
- Utilize chainsaws to cut trees, brush and other vegetation for fireline construction and fuels management projects.

WLF 11	Wildland Fire School-Fundamentals	14
Select two courses		1
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	.5
NR 116	Advanced Field Studies II	.5
WLF 108	Introduction to Wildland Fire Field Studies	.5
WLF 110	Wildland Fire Field Studies II0	.5
Select one option		5
Option 1		
NR 5	Wildland Fire Technology	3
NR 8	Natural Resources Career Preparation	1
NR 133	Introduction to Chainsaw Operations	1
Option 2		
WLF 10	Wildland Fire-Basics	5
	Total Units	20

FORESTRY TECHNICIAN-FIRE SUPPRESSION

(MAJOR #R.6010.CC)

CERTIFICATE OF COMPLETION

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level forestry technician, wildland firefighter or fuels reduction crew member. Students will receive instruction in the areas of wildland firefighting fundamentals, risk management, wildland fire behavior, human factors effecting human performance, chainsaw operations, chainsaw and hand tool use, prescribed fire and fuels reduction operations and federal physical readiness standards. Training will require arduous working conditions similar to those performed as a wildland firefighter. In addition, students who complete the course will receive all of the essential certificates required from the National Wildfire Coordinating Group for employment into the wildland fire service. Students will be expected to operate in a physically demanding workplace like environment where safety and skills are emphasized. Due to the requirements for federal and state employment both physical and other applicable prerequisites may be required. Highly recommended students will also have the exclusive opportunity for immediate job placement with local National Forest Organized Wildland Fire Crews.

Program Learning Outcomes:

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

- Explain the fundamental wildland fire principals surrounding safety, operational engagement and risk management.
- Demonstrate safe efficient line construction tactics and knowledge of fundamental fire behavior factors including fuels, topography and weather.
- Communicate effectively utilizing programmable radio systems, formalized briefings, and other non-verbal methods.
- Demonstrate the use of the incident command structure to manage span of control and incident organization.

- Demonstrate a working knowledge of the factors effecting human performance in high risk environments.
- Apply appropriate use and maintenance of wildland fire hand tools and power tools.
- Explain the fundamentals of prescribed fire and fuels reduction operations and the associated tactics and equipment.
- Utilize chainsaws to cut trees, brush and other vegetation for fireline construction and fuels management projects.

NR 397	Wildland Fire School-Fundamentals	360
Select two courses		44.28
NR 309	Forestry Field Studies I	22.14
NR 310	Forestry Field Studies II	22.14
NR 315	Advanced Field Studies I	22.14
NR 316	Advanced Field Studies II	22.14
Select one option		144
Option 1		
NR 305	Wildland Fire Technology	90
NR 308	Natural Resources Career Preparation	18
NR 333	Introduction to Chainsaw Operations	36
Option 2		
NR 398	Wildland Fire-Basics	144
	Total Hours	548.28

INTEGRATED FUELS MANAGEMENT (MAJOR #R.1215.CA) CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study for the Integrated Fuels Management Program will be prepared to enter the workforce as a fuels/vegetation management technician, wildland firefighter or fuels reduction crewmember. Students will receive in depth instruction in the areas of prescribed fire planning and implementation, managed fire, hazardous fuels reduction, forest fuels assessments, prescribed fire systems and databases, human factors effecting human performance, chainsaw operations, hand tool use, prescribed fire and fuels reduction operations and federal physical readiness standards. Training will require arduous working conditions similar to those performed as a wildland firefighter. In addition, students who complete the course will receive essential certificates from the National Wildfire Coordinating Group curriculum which will enhance knowledge-base and future advancement opportunities within the industry. Students will be expected to operate in a physically demanding workplace like environment where safety and skills are emphasized. Due to the requirements for federal and state employment both physical and other applicable prerequisites may be required.

WLF 11	Wildland Fire School-Fundamentals	14
WLF 20	Integrated Fuels Management	9
	Total Units	23

NATURAL RESOURCES (MAJOR #R.1310.AS) ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree in Natural Resources is designed to provide students with the knowledge, training, and hands-on experience necessary to pursue a career in Natural Resources. Students are exposed to the guiding principles and philosophies of natural resource management in the context of ecosystem management. Following completion of this program, students will have the specialized training and technical skills for entry-level positions that can lead to accelerated advancement into supervisory and/or management positions. Opportunities exist within private, state and federal agencies such as the California Department of Fish and Game, Cal Fire, U.S. Forest Service, and the U.S. Fish and Wildlife Service. Careers abound in the areas of fire suppression and management, outdoor recreation, interpretation, wildlife management, and watershed management.

Program Learning Outcomes:

- Communicate effectively, including use of proper presentation and interpretative techniques to, the public and co-workers, using diverse media.
- Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication
- Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the natural resources industry, providing a base for decision making and credibility in personal interactions and career decisions.
- Perform technical skills important for entry level positions in the forestry and natural resources field.
- Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
- Describe scientific concepts and processes which affect the sustainability of natural resources.

Required Courses		**28**
NR 1	Introduction to Forestry	3
NR 3	Computers in Natural Resources	1
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 8	Natural Resources Career Preparation	1
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3

NR 18	Remote Sensing & Geographic Information Systems	3
NR 19V	Cooperative Work Experience - Forestry	2
NR 20	Forest Measurements	3
NR 35	Interpretation of Natural Resources	3
Required Courses - select 2 units from following:		2
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	.5
NR 116	Advanced Field Studies II	.5
Selected Electives - select at least 9 units from following		9
NR 5	Wildland Fire Technology	3
NR 11	Silviculture	3
NR 17	Introduction to Forest Surveying	3
NR 21	Forest Products	3
NR 22	Forest Protection	3
NR 25	Forest and Resource Management	1
NR 30	Forest Recreation	3
NR 31	Animal Packing	2
NR 32A	Museum Techniques-Beginning Taxidermy	1
NR 32B	Museum Techniques-Intermediate Taxidermy	1
NR 32C	Museum Techniques-Advanced Taxidermy	1
NR 34	Conservation Laboratory	1
NR 36	Natural Resources Law Enforcement	3
NR 44	Fire Ecology	3
NR 45	Fuels Management	3
NR 90	Backpacking	1
NR 91	Wilderness Navigation	1
NR 92	Wilderness Survival	1
NR 133	Introduction to Chainsaw Operations	1
	Total Units	39

Advisor(s): Long, Rodriguez, Soderlund

RECREATION AND INTERPRETATION TECHNIQUES

(MAJOR #R.1104.CA)

CERTIFICATE OF ACHIEVEMENT

Students will have the knowledge, training, and hands-on experience to pursue a career in Natural Resources emphasizing Recreation and Interpretation in the context of managing resources for multiple use. Following completion of this program, students will be able to enter the workforce with specialized recreation and interpretative training.

Program Learning Outcomes:

- Communicate effectively, including use of proper presentation and interpretative techniques to, the public and co-workers, using diverse media.
- Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication.
- Demonstrate a breadth of knowledge of scientific, social, and political issues tied to the natural resources industry, providing a base for decision making and credibility in personal interactions and career decisions.
- Perform technical skills important for entry level positions in the forestry and natural resources field.
- Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
- Describe scientific concepts and processes which affect the sustainability of natural resources

NR 6	Dendrology	3
NR 14	Principles of Wildlife Management	3
NR 19V	Cooperative Work Experience, Natural Resources	2
NR 30	Forest Recreation	3
NR 35	Interpretation of Natural Resources	3
Selected 3 units from		3
NR 5	Wildland Fire Technology	3
NR 17	Introduction to Forest Surveying	3
NR 18	Aerial Photo Interpretation & Geographic Information Systems	3
NR 20	Forest Measurements	3
NR 21	Forest Products	3
NR 30	Forest Recreation	3
NR 31	Animal Packing	2
NR 32A	Museum Techniques- Beginning Taxidermy	1
NR 90	Backpacking	1
NR 91	Wilderness Navigation	1

NR 92	Wilderness Survival	1
NR 133	Introduction to Chainsaw Operations	1
	Total Units	17

Advisor(s): Long, Rodriguez, Soderlund

UTILITY VEGETATION MANAGEMENT

(MAJOR #R.4010.CA)

CERTIFICATE OF ACHIEVEMENT

Students will have broad-based knowledge, training, and hands-on experience to pursue a career in utility vegetation management. Students will receive instruction in tree identification and measurement, utility trim types and tree reactionary growth, abiotic and biotic tree diseases, along with geographic information systems. Following completion of this program, students will be able to enter the workforce as an entry level inspector.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Understand the discipline and need for utility vegetation management.
- Explain utility clearance process from pre-inspection inventory, tree/vegetation trimming and quality assurance/ control inventory.
- Knowledge of the identification, growth rates and disease types of native and ornamental trees and shrubs.
- Explain the different proper utility trim types and tree species reactionary growth.
- Ability to measure and assess tree and shrub resources, i.e. height, diameter, failure potential, distance from utility).

NR 20	Forest Measurements	3
NR 18	Remote Sensing & Geographic Information System	3
NR 6	Dendrology	3
NR 35	Interpretation of Natural Resources	3
NR 22	Forest Protection	2
NR 3	Computers in Natural Resources	1
NR 23	Utility Vegetation Management	3
	Total Units	18

WILDFIRE RESOURCES SUPERVISORS

(MAJOR #R.1210.CA)

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this program students will have the knowledge, training, and practical experiences to pursue an intermediate position in the field of wildland fire suppression. Emphasis is placed on industry specific skills (e.g. portable pump operation, chain saw use, engine operation, etc.) and specific supervisory skill sets necessary for well rounded job advancement in wildland fire.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Apply leadership principals surrounding safety, operational engagement and risk management.
- Initiate and develop safe efficient wildland fire strategies, tactics, use of firefighting equipment and apply knowledge of fire behavior factors including fuels, topography and weather.
- Develop a subordinate firefighter's progression through mentorship, effective supervision and leadership.
- Initiate and apply the effective use of the incident command structure to manage span of control and incident organization.
- Apply a working knowledge of the factors effecting human performance in high risk environments.
- Effectively implement prescribed fire and fuels reduction operations and the associated tactics and equipment.

Required Courses Units		9
WLF 111	S-211 Portable Pumps and Water Use	1
WLF 112	S-212 Wildland Fire Chainsaws	1.5
WLF 130	S-230 Crew Boss (Single Resource)	1.5
WLF 131	S-131 Wildland Firefighter Type	10.5
WLF 135	RT-130 Wildland Fire Topics - Safety Training	1.5
WLF 180	L-280 Followership to Leadership	1
WLF 190	S-290 Intermediate Fire Behavior	2
Select at least 3 units		3-6.5
WLF 119	S-219 Firing Operations	1
WLF 120	Incident Command System 200	1
WLF 122	RX-310, Introduction to Fire Effects	2
WLF 132	S-231 Engine Boss	.5
WLF 136	S-236 Heavy Equipment Boss	1
WLF 161	EMT-Emergency Medical Technician	6.5
WLF 162	M-410 Facilitative Instructor	2
	Total Units	12-15.5

Advisor(s): Hernandez, Long, Rodriguez, Soderlund

WILDFIRE RESOURCES SUPERVISORS

(MAJOR #R.6020.CC)

CERTIFICATE OF COMPLETION

Upon successful completion of this program students will have been provided with the knowledge, training, and practical experiences to pursue an intermediate position in the field of wildland fire suppression. Emphasis is placed on industry specific skills (e.g. portable pump operation, chain saw use, engine operation, etc.) and specific supervisory skill sets necessary for well rounded job advancement in wildland fire.

Complete the following number of hours		183.42
NR 351	S-211 Portable Pumps and Water Use	18
NR 352	RT-130 Wildland Fire Topics - Safety Training	36.18
NR 353	S-131 Wildland Firefighter Type 1	12.06
NR 355	S-212 Wildland Fire Chainsaws	33.12
NR 356	L-280 Followership to Leadership	21.06
NR 357	S-230 Crew Boss (Single Resource)	27
NR 360	S-290 Intermediate Fire Behavior	361
Select at least 52.20 hours		52.02-153
NR 350	Incident Command System 200	18
NR 354	S-219 Firing Operations	24.3
NR 358	S-231 Engine Boss	16.2
NR 359	S-236 Heavy Equipment Boss	24.3
NR 361	EMT - Emergency Medical Technician	153
NR 362	M-410 Facilitative Instructor	36
	Total Hours	235.44-336.42

WILDFIRE FIRE ADVANCEMENT

(MAJOR #R.1200.CA)

CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study for the Wildland Fire Advancement Program will be prepared for workforce advancement as an advanced firefighter forestry technician or fuels reduction crewmember. Students will learn how to apply and initiate wildland firefighting fundamentals, risk management, wildland fire behavior, human factors effecting human performance, chainsaw operations, hand tool use, prescribed fire and fuels reduction operations and federal physical readiness standards. Training will require arduous working conditions similar to those performed as a wildland firefighter. Upon completion of this program students will have the NWCG course work necessary for the competitive advancement to a permanent GS-5 senior fire fighter position in the Federal fire service. This academy will focus on principals of leadership, command and control, operational tactics and intermediate fire behavior. Students will be expected to operate in a physically demanding work place like environment where safety and skills are emphasized. Due to the requirements for federal and state employment both physical and other applicable prerequisites may be required.

Program Learning Outcome:

Upon completion of this program, students will be able to:

1. Apply the fundamental and intermediate wildland fire principals surrounding safety, operational engagement and risk management.
2. Initiate and develop safe efficient line construction tactics and knowledge of fundamental fire behavior factors including fuels, topography and weather.
3. Develop communication protocols by effectively utilizing programmable radio systems, formalized briefings and other non-verbal methods.
4. Initiate the use of the incident command structure to manage span of control and incident organization.
5. Apply a working knowledge of the factors effecting human performance in high risk environments.
6. Track and document appropriate use and maintenance of wildland fire hand tools and power tools.
7. Utilize the fundamentals of prescribed fire and fuels reduction operations and the associated tactics and equipment.
8. Proficiently utilize chainsaws to cut trees, brush and other vegetation for fireline construction and fuels management projects.

NR 19V	Cooperative Work Experience – Forestry	7
NR 96	Wildland Fire School - Advancement	9
	Total Units	16

WILDLAND FIRE SCIENCE

(MAJOR #R.1400.AS)

ASSOCIATE IN SCIENCE DEGREE

Students successfully completing the outlined course of study for the Wildland Fire Advancement Program will be prepared for workforce advancement as an advanced firefighter forestry technician or fuels reduction crewmember. Students will be able to apply and initiate wildland firefighting fundamentals, risk management, wildland fire behavior, human factors effecting human performance, chainsaw operations, hand tool use, prescribed fire and fuels reduction operations and federal physical readiness standards. Training will require arduous working conditions similar to those performed as a wildland firefighter. Upon completion of this program students will have the NWCG course work necessary for the competitive advancement to a permanent GS-5 senior fire fighter position in the Federal fire service. This academy will focus on principals of leadership, command and control, operational tactics and intermediate fire behavior. Students will be expected to operate in a physically demanding work place like environment where safety and skills are emphasized. Due to the requirements for federal and state employment both physical and other applicable prerequisites may be required.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Apply the fundamental and intermediate wildland fire principals surrounding safety, operational engagement and risk management.
- Initiate and develop safe efficient line construction tactics and knowledge of fundamental fire behavior factors including fuels, topography and weather.
- Develop communication protocols by effectively utilizing programable radio systems, formalized briefings and other non-verbal methods.
- Initiate the use of the incident command structure to manage span of control and incident organization.
- Apply a working knowledge of the factors effecting human performance in high risk environments.
- Track and document appropriate use and maintenance of wildland fire hand tools and power tools.
- Utilize the fundamentals of prescribed fire and fuels reduction operations and the associated tactics and equipment.
- Proficiently utilize chainsaws to cut trees, brush and other vegetation for fire line construction and fuels management projects.

Required Courses		32
NR 1	Introduction to Forestry	3
NR 4	Forest Ecosystems	3
NR 19V	Cooperative Work Experience - Forestry	7
WLF 11	Wildland Fire School-Fundamentals	14
Select one option		5
Option 1		
NR 5	Wildland Fire Technologyy	3
NR 8	Natural Resources Career Preparation	1
NR 133	Introduction to Chainsaw Operations	1
Option 2		
WLF 10	Wildland Fire-Basics	5
Select two courses		1
NR 108	Introduction to Forestry Field Studies	.5
NR 109	Forestry Field Studies I	.5
NR 110	Forestry Field Studies II	.5
NR 115	Advanced Field Studies I	5
WLF 108	Introduction to Wildland Fire Field Studies	5
WLF 110	Wildland Fire Field Studies II	.5
Select one course		9
WLF 12	Wildland Fire School-Advancement	9
WLF 20	Integrated Fuels Management	9
WLF 21	Fuels and Prescribed Fire Applications	9
	Total Units	42

HEALTH CARE INTERPRETER

CERTIFICATE IN HEALTH CARE INTERPRETER

(MAJOR #R.4501.CN)

The Health Care Interpretation Certification Program's purpose is to prepare bilingual and bicultural individuals to develop skills necessary for effective language interpretation in health care settings, to bridge the cultural gap, to develop cultural competency and improve linguistic and cultural communication for health care clients. Interpreters will utilize these skills in community based organizations to provide accurate health care information and perform cultural advocacy as required by Federal law. Prior to entrance into Health Interpreter Program orientation and assessment of bilingual skills is required.

Required Courses		
HLTH 14 *	Interpreting in Health Care I	4
HLTH 15	Interpreting in Health Care II	4
HLTH 16	Field Work in Health Care Interpreting	4
	Total Units	12

*Health 14 must be completed within 2 years prior to enrollment in Health 15 and 16.

Recommended courses: Office Technology 10, Biology 20, 22

Advisor(s): Dhillon

HONORS

CERTIFICATE IN HONORS PROGRAM (MAJOR #R.5440.CN)

Upon successful completion of the honors program, students will have completed at least 15 units of their choice of honors classes with at least one of those courses being an honors forum research course; students will have maintained a cumulative grade point average of at least 3.0. Students will have the knowledge and skills to conduct research-based, interdisciplinary research and then present this research. Honors students will be able to analyze and utilize scholarly research materials that incorporate sufficient, credible, and relevant evidence in written and/or oral communication within the various academic disciplines.

Program Learning Outcomes:

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

- Analyze and utilize scholarly research materials that incorporate sufficient, credible, and relevant evidence in written and/or oral communication within the various academic disciplines.

Select 15 units:		15
ART 6H	Honors Art History	3
BIOL 10H	Honors Introduction to Life Sciences Lecture	3
COMM 1H	Honors Public Speaking	3
ENGL 1AH	Honors Reading and Composition	4
ENGL 1BH	Honors Introduction to the Study of Literature	3
ENGL 3H	Honors Critical Reading and Writing	3
HIST 12H	Honors History of the United States since 1865	3
HONORS 1	Honors Colloquium	1
HONORS 3A	Honors Forum--Applied Sciences	2
HONORS 3B	Honors Forum—Humanities	2
HONORS 3C	Honors Forum--Natural and Biological Sciences	2
HONORS 3D	Honors Forum--Social Sciences	2
HONORS 4	International Cultural Exploration	2
MUS 12H	Honors Music Appreciation	3
PHIL 1CH	Honors Ethics	3
POLSCI 2H	Honors American Government	3
PSY 2H	Honors General Psychology	3
	Total Units	15

INFORMATION SYSTEMS

INFORMATION SYSTEMS, INFORMATION TECHNOLOGY SUPPORT (MAJOR #R.6952.AS)

ASSOCIATE IN SCIENCE DEGREE

(formerly Information Systems, Information Technology Support Option)

Students who successfully complete the program will be prepared for a career as a computer user support specialist. Completion of the coursework will prepare students to take the CompTIA A+ certification exam series, an industry benchmark in computer support, troubleshooting, and repair skills.

Program Learning Outcomes:

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

- Demonstrate the ability to implement, support, and utilize information systems to support business decision making and communication.
- Analyze quantitative data using mathematical models and statistical analysis to support business decision-making through the implementation of business information systems.
- Apply structured logic in analyzing and solving technical problems.
- Create computer programs and scripts to automate business decision making, computing and network tasks.
- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Demonstrate the ability to operate commonly used computer hardware and software.
- Apply industry accepted best-practices to install, maintain, troubleshoot, secure, and support common business information system computing equipment.

Business Core		6
BA 5	Business Communications	3
BA 10	Introduction to Business	3
Information Systems Core		3
IS 15	Computer Concepts	3
IS 51	Information Technology Fundamentals	3
Information Technology Support		6
IS 80	Computer Technician A+ Training	6

Math		3-4
STAT 7	Elementary Statistics	4
BA 39	Finite Mathematics for Business	3
Programming for Information Systems		3
CSCI 58	Programming Essentials in Python	3
IS 31	Introduction to Programming	3
Career Preparation		1
IS 59	Careers in Computing	1
OT 17	Job Retention and Responsibilities	1
IS 19V	Cooperative Work Experience, Information Systems	1
	Total Units	22-23

Advisor(s): Boyer, Garcia, Morales

INFORMATION SYSTEMS, INFORMATION TECHNOLOGY SUPPORT TECHNICIAN (MAJOR #R.6937.CA)
CERTIFICATE OF ACHIEVEMENT

(formerly Information Technology Support Technician)

Students completing this program will have the knowledge, training, and hands-on experience to pursue a career as a Computer User Support Technician in business, government, or education. Students enter the workforce with a comprehensive understanding of computer hardware, system software, networking essentials, and needed people skills to maintain their job at a workplace. Upon completion of this certificate, students will be prepared for further study in networking, including CompTIA Network+ and the Cisco Certified Networking Associate programs, and will have the requisite knowledge to sit for the CompTIA A+ certification exam.

Program Learning Outcomes:

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

- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Apply critical thinking skills to solve technical problems ethically and effectively.
- Demonstrate the ability to operate commonly used computer hardware and software.
- Apply industry accepted best-practices to install, maintain, troubleshoot, secure, and support common business information system computing equipment.

IS 80	Information Technology Support Technician Training	6
Select two Career Preparation courses		2
IS 59	Careers in Computing	1
IS 19V	Cooperative Work Experience, Information Systems	1
OT 17	Job Retention and Responsibilities	1
	Total Units	8

Advisor(s): Boyer, Garcia, Morales

INFORMATION SYSTEMS, INFORMATION TECHNOLOGY SUPPORT TECHNICIAN (MAJOR #R.7020.CC)
CERTIFICATE OF COMPLETION

Students completing this program will have the knowledge, training, and hands-on experience to pursue a career as a Computer User Support Technician in business, government, or education. Students enter the workforce with a comprehensive understanding of computer hardware, system software, networking essentials, and needed people skills to maintain their job at a workplace. Upon completion of this certificate, students will be prepared for further study in networking, including CompTIA Network+ and the Cisco Certified Networking Associate programs, and will have the requisite knowledge to sit for the CompTIA A+ certification exam.

Program Learning Outcomes:

Upon completion of this program students will be able to:

- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Apply critical thinking skills to solve technical problems ethically and effectively.
- Demonstrate the ability to operate commonly used computer hardware and software.
- Apply industry accepted best-practices to install, maintain, troubleshoot, secure, and support common business information system computing equipment.

IS 359	Careers in Computing	54
IS 380	Information Technology Support Technician Training	72
OT 317	Job Retention and Responsibilities	54
	Total Hours	180

INFORMATION SYSTEMS, NETWORKING

(MAJOR #R.6975.AS)

ASSOCIATE IN SCIENCE DEGREE

(formerly Information Systems, Networking and Security)

Students who successfully complete the program will be prepared for a career as a computer network support specialist or network and computer systems administrator specializing in Cisco networking technology, used industry-wide in small, medium, and enterprise level networks. It is recommended for students beginning a career in networking as well as those already in the information technology career field who want to improve their computer networking skills. Completion of the coursework will prepare students to take the CompTIA A+ and Cisco CCNA certification exams, industry benchmarks in computer and network skills.

Program Learning Outcomes:

Upon completion of this program students will be able to:

- Demonstrate the ability to implement, support, and utilize information systems to support business decision making and communication.
- Analyze quantitative data using mathematical models and statistical analysis to support business decision-making through the implementation of business information systems.
- Apply structured logic in analyzing and solving technical problems.
- Create computer programs and scripts to automate business decision making, computing and network tasks.
- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Demonstrate the ability to operate commonly used computer hardware and software.
- Apply industry accepted best-practices to install, maintain, troubleshoot, secure, and support common business information system computing equipment.
- Construct a secure computer network for a small to medium size business and troubleshoot common technical and security issues found in those systems.

Business Core		6
BA 5	Business Communications	3
BA 10	Introduction to Business	3
Math		3-4
STAT 7	Elementary Statistics	4
BA 39	Finite Mathematics for Business	3
Programming for Information Systems		3
CSCI 58	Programming Essentials in Python	3
IS 31	Introduction to Programming	3
Career Preparation		1
IS 59	Careers in Computing	1
OT 17	Job Retention and Responsibilities	1
IS 19V	Cooperative Work Experience, Information Systems	1
Information Technology Support		6
IS 80	Computer Technician A+ Training	6
Cisco CCNA Networking		12
IS 52	Introduction to Networks	4
IS 53	Switching and Routing Essentials	4
IS 54	Enterprise Networking, Security, and Automation	4
	Total Units	31-32

Advisor(s): Boyer, Garcia, Morales

INFORMATION SYSTEMS, NETWORKING (CISCO CCNA)

(MAJOR #R.4030.CA)

CERTIFICATE OF ACHIEVEMENT

Students completing this certificate will have preparation for employment as a computer network support specialist, specializing in Cisco networking technology, used industry-wide in small, medium, and enterprise level networks.

Program Learning Outcomes

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

- Construct a secure computer network for a small to medium size business and troubleshoot common technical and security issues found in those systems.
- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Apply critical thinking skills to solve technical problems ethically and effectively.

IS 52	Introduction to Networks	4
IS 53	Switching and Routing Essentials	4
IS 54	Enterprise Networking, Security, and Automation	4
Select one course		1
IS 19V	Cooperative Work Experience, Information Systems	1
IS 59	Careers in Computing	1
OT 17	Job Retention and Responsibilities	1
	Total Units	13

INFORMATION SYSTEMS, NETWORKING (CISCO CCNA) (MAJOR #R.7030.CC)

CERTIFICATE OF COMPLETION

Students completing this certificate will have preparation for employment as a computer network support specialist, specializing in Cisco networking technology, used industry-wide in small, medium, and enterprise level networks.

Program Learning Outcomes

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

- Construct a secure computer network for a small to medium size business and troubleshoot common technical and security issues found in those systems.
- Demonstrate the ability to function effectively in a work environment, including professional verbal and written communications, ethical and appropriate behavior in the business environment, and good customer service skills.
- Create an information technology career plan that identifies personal and professional career goals, realistic financial planning, and sustained commitment to continued attainment of professional knowledge and lifelong learning.
- Apply critical thinking skills to solve technical problems ethically and effectively.

Required Courses

IS 352	Introduction to Networks	108
IS 353	Switching and Routing Essentials	108
IS 354	Enterprise Networking, Security, and Automation	108
Select one course		18
IS 359	Careers in Computing	18
OT 317	Job Retention and Responsibilities	18
	Total Hours	342

INFORMATION SYSTEMS, WEB DEVELOPMENT AND DESIGN (MAJOR #R.6981.CA)

CERTIFICATE OF ACHIEVEMENT

(formerly Information Systems, Web Development)

Students successfully completing this program will have the knowledge, training, and hands-on experience to pursue a career as a Web Developer. They will understand current technologies related to web application development including HTML, CSS, JavaScript, and different programming methodologies and frameworks. They will have created a portfolio showing their skills needed to be able to enter the workforce and/or advance in their education.

Program Learning Outcomes

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

- Apply structured logic in analyzing and solving problems.
- Create and maintain a web site that contains hyperlinks, graphics, tables and forms.
- Plan and design a dynamic web site that will use the latest practices and procedures currently used.
- Develop a portfolio of real world projects that are relevant to the web development industry.

IS 15	Computer Concepts	3
IS 40A	Web Development with HTML	3
IS 40B	Advanced Web Development	4
Select two courses		6
CSCI 58	Programming Essentials in Python	3
IS 31	Introduction to Programming	3
IS 42A	Web Graphics and UI Design	3
	Total Units	16

Advisor(s): Boyer, Garcia, Morales

INFORMATION SYSTEMS, WEB DEVELOPMENT AND DESIGN (MAJOR #R.7040.CC)

CERTIFICATE OF COMPLETION

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a web developer. Students completing this course of study will be exposed to techniques in content creation, graphics, web development and user interface design. At the end of the program, students will have a portfolio that will highlight their skills to potential employers.

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

- Apply structured logic in analyzing and solving problems.
- Create and maintain a web site that contains hyperlinks, graphics, tables and forms.
- Plan and design a dynamic web site that will use the latest practices and procedures currently used.
- Develop a portfolio of real world projects that are relevant to the web development industry.

Required Courses		
IS 315	Computer Concepts	72
IS 340A	Web Development with HTML and CSS	72
IS 340B	Advanced Web Development	90
Select two courses		144
CSCI 358	Programming Essentials in Python	72
IS 331	Introduction to Programming	72
IS 342A	Web Graphics and UI Design	72
	Total Hours	378

INFORMATION SYSTEMS, WEB DEVELOPMENT AND DESIGN OPTION (MAJOR #R.6981.AS)
ASSOCIATE IN SCIENCE DEGREE

(formerly Information Systems, Web Development Option)
Students successfully completing this program will be prepared for entry-level employment in a career that uses a combination of different skills. Some of these skills include web development, user front-end design, graphics, database development and programming. At the end of the program, students will have a portfolio that will highlight their skills to potential employers.

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

- Operate commonly used computer hardware and software in Business and specifically in the Web Development field.
- Identify the categories of software by their purpose and provide examples of each category.
- Apply structured logic in analyzing and solving problems.
- Create and maintain a web site that contains hyperlinks, graphics, tables and forms.
- Plan and design a dynamic web site that will use the latest practices and procedures currently used.
- Develop a portfolio of real world projects that are relevant to the web development industry.

Business Core		6
BA 5	Business Communications	3
BA 10	Introduction to Business	3
Information Systems Core		16
IS 15	Computer Concepts	3
IS 31	Introduction to Programming	3
IS 40A	Web Development with HTML	3
IS 40B	Advanced Web Development	4
IS 42A	Web Graphics and UI Design	3
Select one math course		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Total Units	25-26

Advisor(s): Boyer, Garcia, Morales

TECHNOLOGY FOUNDATIONS (MAJOR #R.7080.CC)
CERTIFICATE OF COMPLETION

The purpose of this core program is to provide students with the knowledge, training, and hands-on experience to pursue a career in Information Systems. Students completing this course of study will be able to enter the workforce with a comprehensive understanding of the foundational elements of computing in a business environment.

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

- Operate commonly used computer hardware and office productivity software.
- Create and maintain a simple web site including content, hyperlinks and graphics.
- Demonstrate a breadth of knowledge of networking and its uses in the business environment.
- Understand and communicate the different technology roles and positions available in different organizations.

Required Courses		
IS 316	Word Processing	36
IS 318	Spreadsheet Fundamentals	36
IS 351	Information Technology Fundamentals	72
IS 359	Careers in Computing	18
Select one course		72
CSCI 358	Programming Essentials in Python	72
IS 331	Introduction to Programming	72
IS 340A	Web Development with HTML and CSS	72
IS 342A	Web Graphics and UI Design	72
	Total Hours	234

LIBERAL ARTS & SCIENCES

The Liberal Arts & Sciences A.A. Degree is designed for the student who wishes to earn a degree in a broad area of study that includes additional coursework in an "Area of Emphasis". This area of emphasis will be an ideal choice for students planning to transfer to the California State University or University of California as students can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Each student should consult with a counselor for specific information regarding intended majors at the specific college/ university of his/her choice.

Total Units Required: 60

- Choose either option I or II or III for the General Education pattern related to your educational goal.

I. Associate in Arts Degree General Education

II. CSU GE

Minimum units necessary to meet the CSU

III. General Education Certification requirements.

IV. IGETC

Minimum units necessary to meet the IGETC Certification requirements.

- Complete 18 units in one "Area of Emphasis"
- Arts and Humanities
- Natural Sciences
- For ALL OPTIONS: complete necessary Reedley College Graduation and Competency requirements
- All courses listed below transfer to CSU. Refer to www.assist.org for transfer details or see a counselor or faculty advisor for additional details. (* indicates that transfer credit is limited by UC)
- Electives may be necessary to total 60 degree applicable units required for the Associate degree.

LIBERAL ARTS & SCIENCES: ARTS & HUMANITIES

(MAJOR #R.5120.AA)

ASSOCIATE IN ARTS DEGREE

These courses emphasize the study of cultural and humanistic activities, and literary and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves in response to each other and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

Program Learning Outcome:

- Critically evaluate the central themes and concepts explored in art, literature, history, music, and philosophy.

Select one art course		3
ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6	Art History 2	3
ART 6H	Honors Art History 2	3
Select one English course		3-4
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
ENGL 41	Themes in Literature	4
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature since the Renaissance	3
ENGL 43A	American Literature: Origins through Reconstruction (1877)	3
ENGL 43B	American Literature: 1877 to present	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
ENGL 47	Shakespeare	3
ENGL 49	Latino & Chicano Literature	3
Select one history course		3
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	3
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
Select one music course		3
MUS 12	Music Appreciation	3
MUS 16	Jazz History and Appreciation	3
Select one philosophy course		3
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Ethics	3
PHIL1CH	Honors Ethics	3
PHIL 1D	World Religions	3
Select 3 additional units from above disciplines		3
	Total Units	18-19

LIBERAL ARTS & SCIENCES: NATURAL SCIENCES
(MAJOR #R.5130.AA)
ASSOCIATE IN ARTS DEGREE

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools.

Program Learning Outcomes:

- Demonstrate an understanding of the methodologies of each discipline within the natural and physical sciences.
- Demonstrate an understanding of basic scientific principles, theories, and laws as well as an awareness of the changing nature of science.

Select a maximum of two (2) courses from any one discipline

ANTHRO 1	Biological Anthropology	3
ASTRO 10	Introduction to Astronomy	4
BIOL 2	Environmental Science	4
	or	
BIOL 13	Environmental Science	3
	and	
BIOL 13L	Environmental Science Lab	1
BIOL 5	Human Biology	4
BIOL 10	Introduction to Life Science Lecture	
	and	
BIOL 10L	Introduction to Life Science Lab	4
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 10	Elementary Chemistry	4
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
GEOG 5	Physical Geography: Environmental Conditions	3
GEOG 9	Physical Geography: Land Formation	3
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	3
GEOL 9	Introduction to Earth Science	4
GEOL 10	Rocks, Fossils, and Minerals	3
NR 1	Introduction to Forestry	3
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 7	Conservation of Natural Resources	3
NR 14	Principles of Wildlife Management	3
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
SCI 1A	Introductory Chemical and Physical Science	4
	Total Units	18

LIBERAL STUDIES

LIBERAL STUDIES (MAJOR #R.5890.AA)
ASSOCIATE IN ARTS DEGREE

Students completing the Liberal Studies associate degree will have the knowledge, skills and attributes necessary to successfully transfer into the elementary school teaching programs offered at four-year institutions. In addition, students will obtain a strong foundation for other professions in fields of public services. Please consult with a counselor for specific information regarding your intended major at the specific college/university of your choice.

Program Learning Outcomes:

- Demonstrate effective written and oral communication skills across the broad categories of intellectual heritage, artistic expression, the natural and physical world, human behavior, and health concepts.
- Choose either option I or II or III for the General Education pattern related to your educational goal.

I. Associate in Arts Degree General Education
II. CSU GE
Minimum units necessary to meet the CSU General Education Certification requirements.
Minimum units necessary to meet the IGETC Certification requirements.

- Electives may be necessary to total 60 degree applicable units required for the Associate degree.

Select one course		3
COMM 25	Argumentation	3
ENGL 2	Critical Reading and Writing through Literature	3
ENGL 2H	Honors Critical Reading and Writing through Literature	3
ENGL 3	Critical Reading and Writing	3
ENGL 3H	Honors Critical Reading and Writing	3
PHIL 2	Critical Reasoning and Analytic Writing	3
PHIL 4	Introduction to Logic	3
PHIL 6	Symbolic Logic	3
Select		4
GEOL 9	Introduction to Earth Science	4
SCI 1A	Introductory Chemical and Physical Science	4
BIOL 10	Introduction to Life Science Lecture and	
BIOL 10L	Introduction to Life Science Lab	4
Select one course		3
ART 2	Introduction to Visual Culture	3
ART 5	Art History 1	3
ART 6	Art History 2	3
ART 6H	Honors Art History 2	3
MUS 12	Music Appreciation	3
Select one course		3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 1BH	Honors Introduction to the Study of Literature	3
HIST 11	History of the United States to 1877	3
HIST 20	World History I, to 1600	3
Select two courses		6
ECE 2	Child Growth and Development	3
EDUC 10	Introduction to Teaching	3
GEOG 6	World Regional Geography	3
HLTH 1	Contemporary Health Issues	3
IS 15	Computer Concepts	3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
	Total Units	60

MANUFACTURING TECHNOLOGY

Program Learning Outcome:

- Organize and arrange workflows/machine tool selection, hand tools and machine operations in a shop environment.

ADVANCED WELDING (MAJOR #R.7110.CC)
CERTIFICATE OF COMPLETION

Student successfully completing this certificate will be prepared for AWS certification exam procedures. Students will have developed, improved, and refined welding skills through guided practice in a lab setting. Students will have a general overview of inspection, testing and certification, and general fabrication concepts.

WELD 362	Advanced Welding	171
WELD 363	Welding Certification Preparation	9-108
	Total Hours	180-279

INTERMEDIATE WELDING (MAJOR #R.7210.CC)
CERTIFICATE OF COMPLETION

Students successfully completing this certificate will have expanded their basic welding skills to shielded metal arc welding (SMAW), gas metal arc welding (GMAW), fluxcored arc welding (FCAW) and gas tungsten arc welding (GTAW/TIG). Additionally, students will have gained welding techniques in horizontal, vertical and overhead positions on steel, stainless steel, and aluminum. Students will have achieved these skills through hands-on use of oxyfuel cutting (OFC), plasma cutting and carbon air arc gouging.

WELD 360	Introduction to Welding	162
WELD 361	Intermediate Welding	171
	Total Hours	333

MACHINE TOOL TECHNOLOGY (MAJOR #R.8382.AS)
ASSOCIATE IN SCIENCE DEGREE

Completion of the Machine Tool Technology Associate in Science Degree prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

Program Learning Outcomes:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Operate turning and milling machines proficiently.
3. Operate computer numerical control machines.
4. Demonstrate basic precision measurement.
5. Interpret blueprints and shop drawings.
6. Differentiate industrial materials.

Required Courses		13
MFGT 19V	Cooperative Work Experience - Manufacturing Technology	1
MFGT 81	Intermediate Machine Shop	6
MFGT 82	Advanced Machine Shop	6
Select one option		
Option 1		12
MFGT 11	Introduction to Manufacturing	12
Option 2		15
MFGT 51	Manufacturing Essentials	5
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3		14
MFGT 21	Blueprint Reading	2
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT 22	Industrial Materials	2
MFGT 23	Electricity	2
	Total Units	25 – 28

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

MACHINIST (MAJOR #R.8383.CA)
CERTIFICATE OF ACHIEVEMENT

Completion of the Machinist Certificate of Achievement program prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

Program Learning Outcome:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Operate turning and milling machines proficiently.
3. Operate computer numerical control machines.
4. Demonstrate basic precision measurement.
5. Interpret blueprints and shop drawings.
6. Differentiate industrial materials.

Required Courses		13
MFGT 19V	Cooperative Work Experience - Manufacturing Technology	1
MFGT 81	Intermediate Machine Shop	6
MFGT 82	Advanced Machine Shop	6
Select one option		
Option 1		12
MFGT 11	Introduction to Manufacturing	12
Option 2		15
MFGT 51	Manufacturing Essentials	5
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3		14
MFGT 21	Blueprint Reading	2
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT 22	Industrial Materials	2
MFGT 23	Electricity	2
	Total Units	25 – 28

Advisor(s): Fransen, Mancini, Ornelas Tikkanen

MANUFACTURING 1 (MAJOR #R.8394.CA)
CERTIFICATE OF ACHIEVEMENT

After completing course work for Manufacturing Certificate, students will be able to work safely in a manufacturing environment. In addition, learned skills in turning, milling, welding, shop math, precision measurement, blueprint reading, industrial materials and electricity, will allow them to perform basic manufacturing tasks required for entry level employment in the manufacturing trades.

Program Learning Outcome:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Operate turning and milling proficiently.
3. Identify basic operation of electrical systems.
4. Demonstrate basic precision measurement.
5. Interpret blueprints and shop drawings.
6. Demonstrate basic welding processes.

Select one option
Option 1 12
MFGT 11 Introduction to Manufacturing 12
Option 2 15
MFGT 51 Manufacturing Essentials 5
MFGT 60 Introduction to Welding 5
MFGT 80 Introduction to Machine Shop 5
Option 3 14
MFGT 21 Blueprint Reading 2
MFGT 60 Introduction to Welding 5
MFGT 80 Introduction to Machine Shop 5
Option 3 must include one of the following courses:
MFGT 22 Industrial Materials 2
MFGT 23 Electricity 2
Total Units 12–15

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

MANUFACTURING MAINTENANCE MECHANIC

(MAJOR #R.8395.AS)

ASSOCIATE IN SCIENCE DEGREE

Completion of the Manufacturing Maintenance Mechanic Associate in Science Degree prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college

Program Learning Outcome:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Demonstrate proficiency in electrical wiring and troubleshooting.
3. Describe hydraulic system operation.
4. Demonstrate basic precision measurement.
5. Interpret blueprints and shop drawings.
6. Differentiate industrial materials.

Required Courses 13
MFGT 19V Cooperative Work Experience - Manufacturing Technology 1
MFGT 24 Hydraulics 2
MFGT 93 Programmable Logic Controllers (PLCs) 2
MFGT 95 Motor Control 4
MFGT 96 Power Transmission 4
Select one option
Option 1 12
MFGT 11 Introduction to Manufacturing 12
Option 2 15
MFGT 51 Manufacturing Essentials 5
MFGT 60 Introduction to Welding 5
MFGT 80 Introduction to Machine Shop 5
Option 3 14
MFGT 21 Blueprint Reading 2
MFGT 60 Introduction to Welding 5
MFGT 80 Introduction to Machine Shop 5
Option 3 must include one of the following courses:
MFGT 22 Industrial Materials 2
MFGT 23 Electricity 2
Total Units 25–28

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

MANUFACTURING MAINTENANCE MECHANIC

(MAJOR #R.8395.CA)

CERTIFICATE OF ACHIEVEMENT

Completion of the Manufacturing Maintenance Mechanic Certificate of Achievement program prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Demonstrate proficiency in electrical wiring and troubleshooting.
3. Describe hydraulic system operation.
4. Demonstrate basic precision measurement.
5. Interpret blueprints and shop drawings.
6. Differentiate industrial materials.

Required Courses 13
MFGT 19V Cooperative Work Experience - Manufacturing Technology 1
MFGT 24 Hydraulics 2
MFGT 93 Programmable Logic Controllers (PLCs) 2
MFGT 95 Motor Control 4
MFGT 96 Power Transmission 4
Select one option
Option 1 12
MFGT 11 Introduction to Manufacturing 12
Option 2 15
MFGT 51 Manufacturing Essentials 5
MFGT 60 Introduction to Welding 5
MFGT 80 Introduction to Machine Shop 5

Option 3		14
MFGT 21	Blueprint Reading	2
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT 22	Industrial Materials	2
MFGT 23	Electricity	2
	Total Units	25–28

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

WELDING ESSENTIALS (MAJOR #R.7310.CC)
CERTIFICATE OF COMPLETION

Students successfully completing this certificate will have gained a basic knowledge of the welding industry. They will have a strong understanding of safety, welding processes, equipment, and the properties of metals.

WELD 341	Welding Essentials	90
WELD 377	Assistance in Welding	9-108
	Total Hours	99-198

WELDER (MAJOR #R.8396.CA)
CERTIFICATE OF ACHIEVEMENT

Completion of the Welder Certificate of Achievement program prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

Program Learning Outcome:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Demonstrate basic precision measurement.
3. Interpret blueprints and shop drawings.
4. Demonstrate welding and cutting operations.
5. Produce products to industry standards utilizing welding fabrication processes.
6. Identify industrial welding codes.

Required Courses		13
MFGT 19V	Cooperative Work Experience - Manufacturing Technology	1
MFGT 52	Manufacturing Fabrication	4
MFGT 61	Intermediate Welding	4
MFGT 62	Advanced Welding	4
Select one option		
Option 1		12
MFGT 11	Introduction to Manufacturing	12
Option 2		15
MFGT 51	Manufacturing Essentials	5
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3		14
MFGT 21	Blueprint Reading	2
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT 22	Industrial Materials	2
MFGT 23	Electricity	2
	Total Units	25–28

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

WELDING TECHNOLOGY (MAJOR #R.8396.AS)
ASSOCIATE IN SCIENCE DEGREE

Completion of the Welding Technology Associate in Science Degree prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

Program Learning Outcome:

Upon completion of the program, students will be able to:

1. Demonstrate shop safety.
2. Demonstrate basic precision measurement.
3. Interpret blueprints and shop drawings.
4. Demonstrate welding and cutting operations.
5. Produce products to industry standards utilizing welding fabrication processes.
6. Identify industrial welding codes.

Required Courses		13
MFGT 19V	Cooperative Work Experience - Manufacturing Technology	1
MFGT 52	Manufacturing Fabrication	4
MFGT 61	Intermediate Welding	4
MFGT 62	Advanced Welding	4
Select one option		
Option 1		12
MFGT 11	Introduction to Manufacturing	12
Option 2		15
MFGT 51	Manufacturing Essentials	5
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5

Option 3		14
MFGT 21	Blueprint Reading	2
MFGT 60	Introduction to Welding	5
MFGT 80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT 22	Industrial Materials	2
MFGT 23	Electricity	2
	Total Units	25–28

Advisor(s): Fransen, Mancini, Ornelas, Tikkanen

MATHEMATICS

MATHEMATICS (MAJOR #R.6200.AS)
ASSOCIATE IN SCIENCE DEGREE

Purpose: To prepare students for Transfer into four-year mathematics programs. The major also provides fundamental background for persons who plan to become systems analysts or computer programmers. The following courses must be completed with a C or better grade.

Program Learning Outcomes:

- Communicate mathematics with understanding (read, write, listen, speak).
- Use critical thinking and mathematical reasoning to solve a variety of problems.
- Apply mathematical models to real world situations.
- Use technology, when appropriate, to enhance their mathematical understanding, critical thinking, and problem solving skills.
- Demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.

MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
MATH 6	Calculus III	5
MATH 17	Differential Equations and Linear Algebra	5
Select one 1 from the following		4
MATH 11	Introduction to Statistics	
PHYS 2A	General Physics I	
PHYS 4A	Physics for Scientists and Engineers	
CSCI 40	Programming Concepts and Methodology I	
ENGR 40	Programming for Scientists and Engineers	
STAT 7	Elementary Statistics	
	Total Units	23

Advisor(s): J. Gilmore, Gong, Kehoe, Obeid, Perez, Tayar, Winter, R. Reimer, Zook

MECHANIZED AGRICULTURE

Program Learning Outcomes:

- Explain the theory of operation of common machine systems found on agricultural and construction machinery.
- Demonstrate the safe entry level repair and maintenance of agricultural and construction machinery.
- Communicate effectively orally, and in technical writing.
- Utilize resources such as electronic and print media and diagnostic software to diagnose, and repair machine systems.
- Demonstrate a thorough understanding of workplace expectations, job preparedness and readiness.
- Apply proper troubleshooting techniques to diagnose and repair agricultural and construction equipment.

AGRICULTURAL MECHANICS (MAJOR #R.8281.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate in Science degree for Agricultural Mechanics provides practical hands-on instruction in the areas of basic agricultural mechanics, welding/fabrication, small engine repair and maintenance, electricity, motors and controls, blue print reading, power transmission hydraulics and machine operation. This program includes lecture based classes and practical hands-on laboratory activities. This degree will benefit students who want to become agricultural mechanics instructors, maintenance mechanics, further their knowledge by transferring to a four-year college or university, or who want to work in the agricultural mechanics field.

Program Learning Outcomes:

At the completion of this program students will be able to:

- Perform basic maintenance and repairs to agricultural electrical, mechanical, and hydraulic machines/equipment.
- Demonstrate the ability to fabricate tools and small equipment.
- Successfully obtain employment in the agricultural mechanics field.
- Demonstrate the ability to safely and properly operate agricultural equipment.
- Demonstrate the ability to construct agricultural projects using wood, metal and various types of plumbing materials such as metal, PVC, PE and concrete pipe.
- Perform engine repairs to small a gas and diesel engines.

Program requirements		9
MAG 40	Introduction to Agricultural Mechanics	3
MAG 41	Introduction to Agricultural Welding	3
PLS 11	Machinery Technology	3
Select one option		9 - 12
Ag Mechanics Option - 9 units		
MAG 42	Small Gasoline and Diesel Engines	3
MAG 43	Electrical and Hydraulic Fundamentals	3
MAG 44	Agriculture Welding Fabrication	3
AG Processing Mechanic Option - 12 units		
MFGT 21	Blueprint Reading	2
MFGT 23	Electricity	2
MFGT 95	Motor Control	4
MFGT 96	Power Transmission	4

Note: Requirements for the Associate Degree and RC General Education must also be completed.

Total Units 18-21

AGRICULTURAL MECHANICS (MAJOR #R.8281.CA) CERTIFICATE OF ACHIEVEMENT

The Certificate for Agricultural Mechanics provides practical hands-on instruction in the areas of basic agricultural mechanics, welding/fabrication, small engine repair and maintenance, electricity, motors and controls, blue print reading, power transmission hydraulics and machine operation. This program includes lecture based classes and practical hands-on laboratory activities. This degree will benefit students who want to become agricultural mechanics instructors, maintenance mechanics, further their knowledge by transferring to a four-year college or university, or who want to work in the agricultural mechanics field.

Program requirements		9
MAG 40	Introduction to Agricultural Mechanics	3
MAG 41	Introduction to Agricultural Welding	3
PLS 11	Machinery Technology	3
Select one option		9 - 12
Ag Mechanics Option - 9 units		
MAG 42	Small Gasoline and Diesel Engines	3
MAG 43	Electrical and Hydraulic Fundamentals	3
MAG 44	Agriculture Welding Fabrication	3
AG Processing Mechanic Option - 12 units		
MFGT 21	Blueprint Reading	2
MFGT 23	Electricity	2
MFGT 95	Motor Control	4
MFGT 96	Power Transmission	4

Total Units 18-21

EQUIPMENT TECHNICIAN LEVEL I (MAJOR #R.8181.CA) CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be able to perform entry-level service and repair of diesel engines, machine transmissions, and air conditioning and heating systems. In addition students will demonstrate the correct service procedures and safe operation of various machine systems common to the equipment industry. They will be proficient with common hand tools as well as precision measuring devices. Students will also gain the ability to utilize technical reference material.

MAG 20	Equipment Technician: Diesel Engines, Service Fundamentals, Machine Systems	11
MAG 21	Equipment Technician: Power Train I and Mobile Vehicle Air Conditioning	8

Total Units 19

Advisor(s): Chang, Deftereos, Dinis, Faria

EQUIPMENT TECHNICIAN LEVEL II (MAJOR #R.8182.CA) CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be able to perform entry-level service and repair of machine undercarriage, electrical, hydraulic, and diesel fuel systems. They will be proficient with a variety of precision measuring devices including micrometers, calipers, pressure and flow gauges, and digital multimeters. Emphasis will be placed on diagnostic trouble shooting and computer based electronic interfacing. Students will also acquire basic skills in welding and fabrication needed for an entry-level technician.

MAG 30	Equipment Technician: Electrical, Hydraulic Systems, & Welding	11
MAG 31	Equipment Technician: Fuel Systems & Power Train II	8

Total Units 19

Advisor(s): Deftereos, Dinis

MECHANIZED AGRICULTURE (MAJOR #R.8180.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate in Science degree in Mechanized Agriculture is a two-year program of instruction that prepares equipment technicians for entry level positions and advanced opportunities. This program combines lecture based classes, practical hands-on laboratory activities, and a required work based learning internship during the summer term. Instruction in career preparation is included in this program.

AGBS 4	Computer Applications in Agriculture	3
MAG 19V	Cooperative Work Experience, Mechanized Agriculture	2
MAG 20	Equipment Technician: Engines, Service Fundamentals, & Machine Systems	11
MAG 21	Equipment Technician: Power Train I and Mobile Vehicle Air Conditioning	8
MAG 30	Equipment Technician: Electrical, Hydraulic Systems, & Welding	11
MAG 31	Equipment Technician: Fuel Systems & Power Train II	8
PLS 2	Soils	3
	Total Units	46

Advisor(s): Chang, Deftereos, Dinis, Faria

MECHANIZED AGRICULTURE (MAJOR #R.8180.CA)
CERTIFICATE OF ACHIEVEMENT

The certificate program for Equipment Technicians provides intensive, practical, hands-on instruction that can be completed in one year for entry level positions. This program included lecture based classes, practical hands-on laboratory activities, and a required work based learning internship during the summer term. Instruction in career preparation is included in this program.

MAG 19V	Cooperative Work Experience, Mechanized Agriculture	2
MAG 20	Equipment Technician: Diesel Engines, Service Fundamentals, Machine Systems	11
MAG 21	Equipment Technician: Power Train I and Mobile Vehicle Air Conditioning	8
MAG 30	Equipment Technician: Electrical, Hydraulic Systems, & Welding	11
MAG 31	Equipment Technician: Fuel Systems & Power Train II	8
	Total Units	40

Advisor(s): Chang, Deftereos, Dinis, Faria

MEDIUM/HEAVY DUTY TRUCK ADVANCED ENGINES AND POWERTRAINS (MAJOR # R.8184.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level technician specializing in the service and repair of diesel engine fuel systems, differentials, axles, drive systems, heavy-duty brake systems, as well as suspension and steering for On-Highway Medium and Heavy-Duty Trucks. Students will receive instruction in the areas of engine fuel systems, electronic control systems, drivelines, axles and differentials, drive systems, medium and heavy-duty brake systems, as well as suspension and steering systems used in On-highway trucks and buses. In addition, service department fundamentals such as precision measuring, technical reading and writing, and general shop safety and skills will be emphasized. Students will be expected to operate in a workplace like environment. Students successfully completing the course will be eligible to take ASE (Automotive Service Excellence) certification tests for the subjects of study.

Program Learning Outcomes:

At the completion of this course of study students will have the knowledge and ability to:

1. Explain the theory of operation of common machine systems found on diesel- powered machinery.
2. Demonstrate safe entry-level repair and maintenance of diesel-powered machinery.
3. Communicate effectively orally, and in technical writing.
4. Utilize resources such as electronic and print media and diagnostic software to diagnose, and repair machine systems.
5. Demonstrate a thorough understanding of workplace expectations, job preparedness and readiness.
6. Apply proper troubleshooting techniques to diagnose and repair diesel-powered equipment.

MAG 31	Equipment Technician: Fuel Systems & Power Train II	8
MAG 50	Heavy Duty Brake Systems	4
MAG 51	Heavy Duty Suspension and Steering	4
	Total Units	16

Advisor(s): Chang, Deftereos, Dinis, Faria

MEDIUM/HEAVY DUTY TRUCK ELECTRICAL AND HYDRAULICS (MAJOR # R.8185.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level technician specializing in the service and repair of DC electrical, mobile hydraulics, heavy-duty brake systems, as well as suspension and steering for On-Highway Medium and Heavy-Duty Trucks. Students will receive instruction in the areas of DC electrical, mobile hydraulics, basic welding and cutting, medium and heavy-duty brake systems, as well as suspension and steering systems used in On-highway trucks and buses. In addition, service department fundamentals such as precision measuring, technical reading and writing, and general shop safety and skills will be emphasized. Students will be expected to operate in a workplace like environment. Students successfully completing the course will be eligible to take ASE (Automotive Service Excellence) certification tests for the subjects of study.

Program Learning Outcomes:

At the completion of this course of study students will have the knowledge and ability to:

1. Explain the theory of operation of common machine systems found on diesel- powered machinery.
2. Demonstrate safe entry-level repair and maintenance of diesel-powered machinery.
3. Communicate effectively orally, and in technical writing.
4. Utilize resources such as electronic and print media and diagnostic software to diagnose, and repair machine systems.
5. Demonstrate a thorough understanding of workplace expectations, job preparedness and readiness.
6. Apply proper troubleshooting techniques to diagnose and repair diesel-powered equipment

MAG 30	Equipment Technician: Electrical, Hydraulic Systems, & Welding	11
MAG 50	Heavy Duty Brake Systems	4
MAG 51	Heavy Duty Suspension and Steering	4
	Total Units	19

Advisor(s): Chang, Deftereos, Dinis, Faria

MEDIUM/HEAVY DUTY TRUCK ENGINES
(MAJOR # R.8186.CA)
CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level technician specializing in the service and repair of diesel engines, heavy-duty brake systems, as well as suspension and steering for On-Highway Medium and Heavy-Duty Trucks. Students will receive instruction in the areas of diesel engine service and repair, safe operation of diesel powered machinery, medium and heavy-duty brake systems, as well as suspension and steering systems used in On-highway trucks and buses. In addition, service department fundamentals such as precision measuring, technical reading and writing, and general shop safety and skills will be emphasized. Students will be expected to operate in a workplace like environment. Students successfully completing the course will be eligible to take ASE (Automotive Service Excellence) certification tests for the subjects of study.

Program Learning Outcomes:

At the completion of this course of study students will have the knowledge and ability to:

1. Explain the theory of operation of common machine systems found on diesel- powered machinery.
2. Demonstrate safe entry-level repair and maintenance of diesel-powered machinery.
3. Communicate effectively orally, and in technical writing.
4. Utilize resources such as electronic and print media and diagnostic software to diagnose, and repair machine systems.
5. Demonstrate a thorough understanding of workplace expectations, job preparedness and readiness.
6. Apply proper troubleshooting techniques to diagnose and repair diesel-powered equipment

MAG 20	Equipment Technician: Diesel Engines, Service Fundamentals, Machine Systems	11
MAG 50	Heavy Duty Brake Systems	4
MAG 51	Heavy Duty Suspension and Steering	4
	Total Units	19

Advisor(s): Chang, Deftereos, Dinis, Faria

MEDIUM/HEAVY DUTY TRUCK POWERTRAIN AND MVAC (MAJOR # R.8187.CA)

CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be prepared to enter the workforce as an entry-level technician specializing in the service and repair of powertrain systems, Mobile Vehicle Air Conditioning, heavy-duty brake systems, as well as suspension and steering for On-Highway Medium and Heavy-Duty Trucks. Students will receive instruction in the areas of transmissions, torque converters, clutches, mobile vehicle air conditioning, medium and heavy-duty brake systems, as well as suspension and steering systems used in On-highway trucks and buses. In addition, service department fundamentals such as precision measuring, technical reading and writing, and general shop safety and skills will be emphasized. Students will be expected to operate in a workplace like environment. Students successfully completing the course will be eligible to take ASE (Automotive Service Excellence) certification tests for the subjects of study.

Program Learning Outcomes:

At the completion of this course of study students will have the knowledge and ability to:

1. Explain the theory of operation of common machine systems found on diesel- powered machinery.
2. Demonstrate safe entry-level repair and maintenance of diesel-powered machinery.
3. Communicate effectively orally, and in technical writing.
4. Utilize resources such as electronic and print media and diagnostic software to diagnose, and repair machine systems.
5. Demonstrate a thorough understanding of workplace expectations, job preparedness and readiness.
6. Apply proper troubleshooting techniques to diagnose and repair diesel-powered equipment

MAG 21	Equipment Technician: Power Train I and Mobile Vehicle Air Conditioning	8
MAG 50	Heavy Duty Brake Systems	4
MAG 51	Heavy Duty Suspension and Steering	4
	Total Units	16

Advisor(s): Chang, Deftereos, Dinis, Faria

MEDIUM/HEAVY DUTY TRUCK SERVICE AND REPAIR (MAJOR # R.8183.CA)

CERTIFICATE OF ACHIEVEMENT

Students successfully completing the outlined course of study will be able to perform entry-level service and repair of Medium/Heavy Duty Trucks. This certificate follows the NATEF Master Accreditation standards: Diesel Engines, Drive Train, Brakes, Suspension and Steering, Electrical/Electronic Systems, Heating, Ventilation & Air Conditioning, Preventative Maintenance, and Hydraulics. Students will be eligible to take the ASE (Automotive Service Excellence) certification tests in the Medium/Heavy Duty Truck area and if successful will earn ASE certifications.

Program Learning Outcomes:

Upon completion of this program, students will be able to:

- Perform service of Medium/Heavy Duty Trucks
- Perform entry-level repairs of Medium/Heavy Duty Truck systems including:
  - Diesel Engines
  - Drive Train
  - Brakes
  - Suspension and Steering
  - Electrical/Electronic
  - Heating, Ventilation, and Air Conditioning Hydraulics
- Perform routine preventative maintenance to Medium/Heavy Duty Trucks
- Utilize information systems to access service information, parts, and prepare work orders
- Successfully obtain employment in the Medium/Heavy Duty Truck industry

MAG 20	Equipment Technician: Diesel Engines, Service Fundamentals, Machine Systems	11
MAG 21	Equipment Technician: Transmissions, Torque Converters, & Air Conditioning	8
MAG 30	Equipment Technician: Electrical, Hydraulic Systems, & Welding	11
MAG 31	Equipment Technician: Fuel Systems & Machine Undercarriage	8
MAG 50	Heavy Duty Brake Systems	4
MAG 51	Heavy Duty Suspension and Steering	4
MAG 19V	Cooperative Work Experience, Mechanized Agriculture	2
	Total Units	48

MUSIC

GENERAL MUSIC (MAJOR #R.5820.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this program, students will have general understanding of the fundamental elements and skills in the music profession including music theory, ear training, piano, applied instrument or voice, and performance with an ensemble. This certificate serves students who are interested in exploring various aspects of music but who do not want to major in it.

Program Learning Outcomes:
At the completion of this course of study students will have the knowledge and ability to:

- Understand basic music theory and ear training skills through analysis, sight singing, and dictation.
- Demonstrate proper performance skills on one or more instruments (including voice).

Semester 1:		6
MUS 1A	Music Theory I	3
MUS 7A	Ear Training: Level I	1
MUS 20	Beginning Piano: Level I	2
Semester 2:		6
MUS 1B	Music Theory II	3
MUS 7B	Ear Training: Level II	1
MUS 21	Beginning Piano: Level II	2
Four semesters of one of the following courses with a minimum of 4 units		4
MUS 24	Elementary Voice - Level I	1
MUS 26	Intermediate/Advanced Voice	1
MUS 81	Applied Music Masterclass and Lessons	1.5
Four semesters of one of the following courses with a minimum of 4 units		4
MUS 31	Concert Choir	1-3
MUS 33	Chamber Singers	1-3
MUS 38	Musical Theater Practicum	1
MUS 40	Concert Band	1-3
MUS 41	Jazz Ensemble	1-2
MUS 45	College Orchestra	1-3
	Total Units	20

Advisor(s): Collins, Keenan

INSTRUMENTAL PERFORMANCE (MAJOR #R.5830.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate, students will be able to read and analyze music theory, have knowledge of music history, develop skills performing in an ensemble, and demonstrate advanced instrumental skills. This program is designed for students who want to pursue music coursework in a structured fashion with an instrument other than piano as their primary area of emphasis without completing a music degree.

Program Learning Outcomes:
At the completion of this course of study students will have the knowledge and ability to:

- Understand basic music theory and analysis.
- Demonstrate proper performance technique when playing their primary instrument.

Music Core 1		3
MUS 1A	Music Theory I	3
MUS 3	Music Fundamentals	3
Music Core 2		3
MUS 1B	Music Theory II	3
MUS 12	Music Appreciation	3
MUS 12H	Honors Music Appreciation	3
Four semesters with a minimum of 4 units		4
MUS 81	Applied Music Masterclass and Lessons	1.5
Four semesters of one of the following courses with a minimum of 4 units		4
MUS 40	Concert Band	1-3
MUS 41	Jazz Ensemble	1-2
MUS 45	College Orchestra	1-3
	Total Credits	14-15

Advisor(s): Collins, Keenan

MUSIC THEORY (MAJOR #R.5840.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completing this certificate student will have the ability to read, write, and analyze music theory from fundamental note reading through modern compositional techniques. This program is designed for students interested in learning western classical music theory.

Program Learning Outcomes:
At the completion of this course of study students will have the knowledge and ability to:

- Understand music theory through reading, writing, and analyzing Western classical music.

MUS 1A	Music Theory I	3
MUS 1B	Music Theory II	3
MUS 2A	Music Theory III	3
MUS 2B	Music Theory IV	3
	Total Credits	12

Advisor(s): Collins, Keenan

MUSIC -- INSTRUMENTAL (MAJOR #R.5810.AA)
ASSOCIATE IN ARTS DEGREE

To prepare students for transfer to any college/university offering a Bachelor's Degree in music, or to provide a basic background for a career in performance or commercial music.

Program Learning Outcomes:

- The greatest measure of success comes from seeing the success of our music majors as they continue on to a four-year school.
- Another measure of success is the number of students who continue to return to Reedley College to take performance classes over and over because they continue to receive musical fulfillment from them.

MUS 1A*	Music Theory I	3
MUS 1B*	Music Theory II	3
MUS 2A*	Music Theory III	3
MUS 2B*	Music Theory IV	3
MUS 7A*	Ear Training: Level I	1
MUS 7B*	Ear Training: Level II	1
**Four semesters of a combination of the following		6-8
MUS 20	Beginning Piano: Level I	2
MUS 21	Beginning Piano: Level II	2
MUS 22	Intermediate/Advanced Piano	1-2
Four semesters of one of the following:		4
MUS 40	Concert Band	1
MUS 45	College Orchestra	1
Four semesters of one of the following:		4-8
MUS 41	Jazz Ensemble	1-2
MUS 42	Instrumental Ensembles	1-2
	Total Units	28-34

*These courses may be offered subject to demand
** A student may seek qualified private instruction on piano, and with the consent of the advisor, may earn units of credit in lieu of taking Music 20, 21, 22. These courses may also be waived by examination.
Recommended Courses: Music 12, 16, 18, 27, 31, 33
Advisor(s): Collins, Keenan

MUSIC -- VOCAL (MAJOR #R.5820.AA)
ASSOCIATE IN ARTS DEGREE

Upon completion of the Associate in Arts in Vocal Music, students will be prepared for transfer to any college/university offering a Bachelor's Degree in music, or to provide a basic background for a career in performance or commercial music.

Program Learning Outcomes:

- The greatest measure of success comes from seeing the success of our music majors as they continue on to a four-year school.
- Another measure of success is the number of students who continue to return to Reedley College to take performance classes over and over because they continue to receive musical fulfillment from them.

MUS 1A*	Music Theory I	3
MUS 1B*	Music Theory II	3
MUS 2A*	Music Theory III	3
MUS 2B*	Music Theory IV	3
MUS 7A*	Ear Training: Level I	1
MUS 7B*	Ear Training: Level II	1
**Four semesters of a combination of the following		6-8
MUS 20	Beginning Piano: Level I	2
MUS 21	Beginning Piano: Level II	2
MUS 22	Intermediate/Advanced Piano	1-2
Four semesters of one of the following:		4-12
MUS 31	Concert Choir	1-3
MUS 33	Chamber Singers	1-3
Four semesters of the following:		4
** MUS 24	Beginning Voice: Level I	1
MUS 26	Intermediate/Advanced Voice	1-2
	Total Units	28-38

*These courses may be offered subject to demand.
** A student may seek qualified private instruction on piano or voice, and with the consent of the advisor, may earn units of credit in lieu of taking MUS 20, MUS 21, MUS 22 and MUS 24. These classes may also be waived by examination.
Recommended courses: Music 12, 12H, 16, 18, 27, 40, 41
Advisor(s): Collins, Keenan

PIANO PERFORMANCE (MAJOR #R.5850.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate, students will be able to read and analyze music theory, have knowledge of music history, develop skills performing in an ensemble, and demonstrate advanced piano skills. This program is designed for students who want to pursue music coursework in a structured fashion with piano as their primary area of emphasis without completing a music degree.

Program Learning Outcomes:
At the completion of this course of study students will have the knowledge and ability to:

- Understand basic music theory and analysis.
- Demonstrate proper performance technique on piano.

Select one course		3
MUS 1A	Music Theory I	3
MUS 3	Music Fundamentals	3
Select one course		3
MUS 1B	Music Theory II	3
MUS 12	Music Appreciation	3
MUS 12H	Honors Music Appreciation	3
Four semesters of piano		4
MUS 20	Beginning Piano: Level I	2
MUS 21	Beginning Piano: Level II	2
MUS 22	Intermediate/Advanced Piano	1-2
Four semesters		4
MUS 31	Concert Choir	1 - 3
MUS 33	Chamber Singers	1 - 3
MUS 38	Musical Theater Practicum	1
MUS 40	Concert Band	1-3
MUS 41	Jazz Ensemble	1-2
MUS 45	College Orchestra	1-3
	Total Credits	14

Advisor(s): Collins, Keenan

VOCAL PERFORMANCE (MAJOR #R.5860.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate, students will be able to read and analyze music theory, have knowledge of music history, develop skills performing in an ensemble, and demonstrate advanced vocal performance skills. This program is designed for students who want to pursue music coursework in a structured fashion with voice as their primary area of emphasis without completing a music degree

Program Learning Outcomes:
At the completion of this course of study students will have the knowledge and ability to:

- Understand basic music theory and analysis.
- Demonstrate proper vocal technique when singing.

Select one course		3
MUS 1A	Music Theory I	3
MUS 3	Music Fundamentals	3
Select one course		3
MUS 1B	Music Theory II	3
MUS 12	Music Appreciation	3
MUS 12H	Honors Music Appreciation	3
Four Semesters		4
MUS 26	Intermediate/Advanced Voice	1
Four Semesters		4
MUS 31	Concert Choir	1-3
MUS 33	Chamber Singers	1-3
MUS 38	Musical Theater Practicum	1
	Total Units	14-15

Advisor(s): Collins, Keenan

NURSING

NURSING ASSISTANT TRAINING (MAJOR #R.4510.CA)
CERTIFICATE OF ACHIEVEMENT

Program Learning Outcome:

This program is designed to prepare the student as an entry level worker, providing basic nursing care to patients in acute care and longterm care settings. The curriculum is structured to provide theory and application in skills needed to function as a Nursing Assistant. Upon completion, students will be eligible to take the state certification examination.

Applicant must be able to

1. pass a tuberculosis (PPD) test indicating a negative result or a chest x-ray report stating no indication of TB.
2. pass a physical exam given by a physician.
3. have no prior criminal convictions (exception: traffic violations
4. possess a valid Social Security card and a picture ID.
5. Required Courses

ENGL 1A	Reading and Composition	4
FN 40	Nutrition	3
HLTH 1	Contemporary Health Issues	3
NAT 102	Nursing Assistant Theory	5.5
NAT 103	Nursing Assistant Clinical	2
NAT 104	Nursing Medical Terminology or	
OT 10	Medical Terminology	3
	Total Units	20.5

Advisor(s): Dhillon

CERTIFICATE IN NURSING ASSISTANT TRAINING
(MAJOR #R.453A.CN)

Program Learning Outcome:

- Fulfill the prescribed learning objectives and to take the state test for CNA certification.

This course is designed to prepare the student as an entry level worker, providing basic nursing care to patients in acute care and long-term care settings. The curriculum is structured to provide theory and application in skills needed to function as a Nursing Assistant. Upon completion, students will be eligible to take the state certification examination.

Applicant must be able to:

- Pass a tuberculosis (PPD) test indicating a negative result or a chest x-ray report stating no indication of TB.
- Pass a physical exam given by a contracted physician.
- Have no prior criminal convictions (exception: traffic violations)
- Possess a valid Social Security card and a picture ID.

NAT 101	Nursing Assistant Training	6
	Total Units	6

Recommended courses: Office Technology 10, high school biology or any college level biology course, basic mathematics course.

Advisor(s): Dhillon

OFFICE TECHNOLOGY

Program Learning Outcomes:

- Use application software to create and edit word processing documents.
- Use application software to create and edit spreadsheets.
- Manage a records system.

ADMINISTRATIVE ASSISTANT (MAJOR #R.226B.AS)
ASSOCIATE IN SCIENCE DEGREE

This program prepares students to efficiently perform general office work including: using application software to create and edit documents, spreadsheets, and database files; managing a records system; applying basic accounting skills; sorting and distributing mail; and managing a phone system. Positive communication skills are developed throughout the program including skills necessary to attain a position in an office and succeed in the work place.

OT 1	Computer Basics	1.5
OT 5	Document Formatting	1.5
OT 6	Data Entry Essentials	1.5
OT 11A	Microsoft Word Essentials	1.5
OT 11C	Word Processing Projects	1.5
OT 12A	Microsoft Excel Essentials	1.5
OT 12C	Spreadsheet Projects	1.5
OT 13A	Microsoft Access Essentials	1.5
OT 16	Preparing for a Job Interview	1
OT 17	Job Retention and Responsibilities	1
OT 44	Filing Procedures	2
OT 48	Today's Receptionist	1.5
OT 150	Beginning Keyboarding	1
OT 151	Championship Keyboarding	1
OT 152	Speed Typing	1
Select one course		2-4
OT 43	Introduction to Bookkeeping	3
ACCTG 40	Applied Accounting	4
	Total Units	22.5-24.5

Advisors: Ensz

ADMINISTRATIVE ASSISTANT (MAJOR #R.226B.CA)
CERTIFICATE OF ACHIEVEMENT

Students will efficiently perform general office work including using application software to create and edit documents, spreadsheets, and database files; managing a records system; applying basic accounting skills; sorting and distributing mail; and managing a phone system. Students will be able to use positive communication skills including skills necessary to attain a position in an office and succeed in the work place.

OT 1	Computer Basics	1.5
OT 5	Document Formatting	1.5
OT 6	Data Entry Essentials	1.5
OT 11A	Microsoft Word Essentials	1.5
OT 11C	Word Processing Projects	1.5
OT 12A	Microsoft Excel Essentials	1.5
OT 12C	Spreadsheet Projects	1.5
OT 13A	Microsoft Access Essentials	1.5
OT 16	Preparing for a Job Interview	1
OT 17	Job Retention and Responsibilities	1
OT 44	Filing Procedures	2
OT 48	Today's Receptionist	1.5
OT 150	Beginning Keyboarding	1
	or	
	typing certification of 25 words per minute by touch with 3 or fewer errors in a 3 minute timed test	
OT 151	Championship Keyboarding	1
	or	
	typing certification of 35 words per minute by touch with 3 or fewer errors in a 3 minute timed test	
OT 152	Speed Typing	1
	or	
	typing certification of 45 words per minute by touch with 3 or fewer errors in a 3 minute timed test	
Select one course		2-4
OT 43	Introduction to Bookkeeping	3
ACCTG 40	Applied Accounting	4
Select one course from following list or a higher level English course		2-4
ENGL 1A	Reading and Composition	4
ENGL 105	Grammar and Punctuation	2
	Total Units	23.5-28.5

Recommended Courses: Business Administration 5 or English 1A

Advisor: Ensz

ADMINISTRATIVE ASSISTANT (MAJOR #R.7000.CC)
CERTIFICATE OF COMPLETION

Students will efficiently perform general office work including using application software to create and edit documents, spreadsheets, and database files; managing a records system; applying basic accounting skills; sorting and distributing mail; and managing a phone system. Students will be able to use positive communication skills including skills necessary to attain a position in an office and succeed in the work place.

Program Learning Outcomes

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

- Use application software to create and edit word processing documents.
- Use application software to create and edit spreadsheets.
- Manage a records system.

OT 301	Computer Basics	36
OT 305	Document Formatting	36
OT 306	Data Entry Using Quickbooks	45
OT 311A	Microsoft Word Essentials	36
OT 311C	Word Processing Project	36
OT 312A	Microsoft Excel Essentials	36
OT 312C	Spreadsheet Projects	36
OT 313A	Microsoft Access Essentials	36
OT 316	Preparing for a Job Interview	18
OT 317	Job Retention and Responsibilities	18
OT 343	Introduction to Bookkeeping	54
OT 344	Filing Procedures	36
OT 348	Today's Receptionist	27
OT 350	Beginning Keyboarding	45
OT 351	Championship Keyboarding	45
OT 352	Speed Typing	45
	Total Hours	585

BOOKKEEPING (MAJOR #R.7010.CC)
CERTIFICATE OF COMPLETION

The Bookkeeping Certificate of Completion prepares students for an entry level position as a bookkeeper. This program emphasizes day-to-day tasks in support of the financial aspects of an office. Students will be able to use application software to prepare source documents, transcribe information, enter and process data on computers, and prepare financial statements. Topics covered in this program include recording sales and accounts receivable; purchases and accounts payable; cash receipts and payments; banking and payroll procedures. Positive communication skills are developed throughout the program.

Program Learning Outcomes

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

- Apply the basic principles of accounting in A/R, A/P, banking and payroll.
- Use the double-entry bookkeeping method.
- Use application software to create and edit financial statements.

Required Courses

OT 306	Data Entry Using Quickbooks	45
OT 312A	Microsoft Excel Essentials	36
OT 343	introduction to Bookkeeping	54
Select		18-36
OT 312C	Spreadsheet Projects	36
OT 316	Preparing for a Job Interview	18
OT 317	Job Retention and Responsibilities	18
	Total Hours	153-171

MEDICAL ADMINISTRATIVE ASSISTANT
(MAJOR #R.2023.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon completion of this degree, the student will be able to register new patients and assist with form completion, retrieve charts, enter patient data and demographics into a computer database, perform various typing requests, maintain and file treatment records, prepare schedules, call patients with appointment reminders, answer phones and route messages, call the pharmacy for prescription order refills and arrange for a patient's hospital admission. They will also be able to make sure copies of lab test results are mailed to patients and demonstrate the ability to meet deadlines and handle multiple tasks. Keyboarding and computer skills, knowledge of word processing applications, thorough knowledge of medical terminology, efficient filing skills, basic grammar, spelling and arithmetic, knowledge of the scheduling, registration, or admission process and excellent customer services skills are learned and practiced in this program.

OT 1	Computer Basics	1.5
OT 6	Data Entry Essentials	1.5
OT 10	Medical Terminology	3
OT 11A	Microsoft Word Essentials	1.5
OT 11C	Word Processing Projects	1.5
OT 12A	Microsoft Excel Essentials	1.5
OT 12C	Spreadsheet Projects	1.5
OT 13A	Microsoft Access Essentials	1.5
OT 16	Preparing for a Job Interview	1
OT 17	Job Retention and Responsibilities	1
OT 28	Medical Manager	1.5
OT 41	Medical Administrative Assistant	3
OT 42	Medical Document Preparation	3
OT 44	Filing Procedures	2
OT 150	Beginning Keyboarding	1
OT 151	Championship Keyboarding	1
OT 152	Speed Typing	1
	Total Units	28

Advisors: Ensz

MEDICAL ADMINISTRATIVE ASSISTANT
(MAJOR #R.2023.CA)
CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate, the student will be able to register new patients and assist with form completion, retrieve charts, enter patient data, perform various typing requests, maintain and file treatment records, prepare schedules, call patients with appointment reminders, answer phones and route messages, call the pharmacy for prescription order refills and arrange for a patient's hospital admission. They will also be able to make sure copies of lab test results are mailed to patients and demonstrate the ability to meet deadlines and handle multiple tasks. Keyboarding and computer skills knowledge of word processing applications, thorough knowledge of medical terminology, efficient filing skills, knowledge of the scheduling, registration, or admission process and excellent customer services skills are learned and practiced in this program. This certificate emphasizes technical medical front-office skills, as well as personal and social skills necessary to succeed in the work place.

Program Learning Outcomes

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

1. Use application software to create and edit word processing documents.
2. Use application software to create and edit spreadsheets.
3. Manage a records system.

OT 1	Computer Basics	1.5
OT 6	Data Entry Essentials	1.5
OT 10	Medical Terminology	3
OT 11A	Microsoft Word Essentials	1.5

OT 11C	Word Processing Projects	1.5
OT 16	Preparing for a Job Interview	1
OT 17	Job Retention and Responsibilities	1
OT 28	Medical Manager	1.5
OT 41	Medical Administrative Assistant	3
OT 42	Medical Document Preparation	3
OT 44	Filing Procedures	2
OT 150	Beginning Keyboarding	1
OT 151	Championship Keyboarding	1
OT 152	Speed Typing	1
Select one course from following list or a higher level English course		2-4
ENGL 1A	Reading and Composition	4
ENGL 105	Grammar and Punctuation	2
	Total Units	22.5-27.5

Advisors: Ensz

MEDICAL ADMINISTRATIVE ASSISTANT
(MAJOR #R.7050.CC)
CERTIFICATE OF COMPLETION

Upon completion of this certificate, the student will be able to register new patients and assist with form completion, retrieve charts, enter patient data, perform various typing requests, maintain and file treatment records, prepare schedules, call patients with appointment reminders, answer phones and route messages, call the pharmacy for prescription order refills and arrange for a patient's hospital admission. They will also be able to make sure copies of lab test results are mailed to patients and demonstrate the ability to meet deadlines and handle multiple tasks. Keyboarding and computer skills knowledge of word processing applications, thorough knowledge of medical terminology, efficient filing skills, knowledge of the scheduling, registration, or admission process and excellent customer services skills are learned and practiced in this program. This certificate emphasizes technical medical front-office skills, as well as personal and social skills necessary to succeed in the work place.

Program Learning Outcomes

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

- Use application software to create and edit word processing documents.
- Use application software to create and edit spreadsheets.
- Manage a records system.

OT 301	Computer Basics	36
OT 306	Data Entry Using Quickbooks	45
OT 310	Medical Terminology	54
OT 311A	Microsoft Word Essentials	36
OT 311C	Word Processing Projects	36
OT 316	Preparing for a Job Interview	18
OT 317	Job Retention and Responsibilities	18
OT 328	Medical Office Management Software	36
OT 341	Medical Administrative Assistant	72
OT 342	Medical Document Preparation	72
OT 344	Filing Procedures	36
OT 350	Beginning Keyboarding	45
OT 351	Championship Keyboarding	45
OT 352	Speed Typing	45
	Total Hours	594

MS OFFICE (MAJOR #R.2303.CC)
CERTIFICATE OF COMPLETION

Students successfully completing this certificate will have the skills to use Microsoft Word, Excel, and Access at an intermediate level. Students will have learned typing methods that will improve their productivity, using these three Microsoft products.

OT 311A	Microsoft Word Essentials3	36
OT 311C	Word Processing Projects	36
OT 312A	Microsoft Excel Essentials	36
OT 312C	Spreadsheet Projects	36
OT 313A	Microsoft Access Essentials	36
OT 350	Beginning Keyboarding	45
	Total Hours	225

OFFICE ASSISTANT (MAJOR #R.2021.CA)
CERTIFICATE OF ACHIEVEMENT

The Office Assistant Certificate of Achievement prepares students for an entry level position in an office setting. This certificate emphasizes technical office skills, as well as personal and social skills necessary to attain a position in an office and succeed in the work place. Students will be able to use application software to create and edit documents and spreadsheet; manage a records system; sort and distribute mail; and manage a phone system. Positive communication skills are developed throughout the program.

OT 1	Computer Basics	1.5
OT 5	Document Formatting	1.5
OT 6	Data Entry Essentials	1.5
OT 11A	Microsoft Word Essentials	1.5
OT 11C	Word Processing Projects	1.5
OT 12A	Microsoft Excel Essentials	1.5
OT 16	Preparing for a Job Interview	1
OT 17	Job Retention and Responsibilities	1
OT 44	Filing Procedures	2
OT 48	Today's Receptionist	1.5
OT 150	Beginning Keyboarding	1
OT 151	Championship Keyboarding	1
OT 152	Speed Typing	1
	Total Units	17.5

Advisors: Ensz

OFFICE ASSISTANT (MAJOR #R.7060.CC)
CERTIFICATE OF COMPLETION

The Office Assistant Certificate of Completion prepares students for an entry level position in an office setting. This certificate emphasizes technical office skills, as well as personal and social skills necessary to attain a position in an office and succeed in the work place. Students will be able to use application software to create and edit documents and spreadsheet; manage a records system; sort and distribute mail; and manage a phone system. Positive communication skills are developed throughout the program.

Program Learning Outcomes

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

- Use application software to create and edit word processing documents
- Use application software to create and edit spreadsheets.
- Manage a records system.

OT 301	Computer Basics	36
OT 305	Document Formatting	36
OT 306	Data Entry Using Quickbooks	45
OT 311A	Microsoft Word Essentials3	36
OT 311C	Word Processing Projects	36
OT 312A	Microsoft Excel Essentials	36
OT 316	Preparing for a Job Interview	18
OT 317	Job Retention and Responsibilities	18
OT 344	Filing Procedures	36
OT 348	Today's Receptionist	27
OT 350	Beginning Keyboarding	45
OT 351	Championship Keyboarding	45
OT 352	Speed Typing	45
	Total Hours	459

RECEPTIONIST (MAJOR #R.2024.CA)
CERTIFICATE OF ACHIEVEMENT

The Receptionist Certificate of Achievement prepares the student for an entry-level position as a receptionist. The student will acquire the skills of customer service and greeting customers and visitors; word processing, record keeping and filing, and telephone communications; process incoming and outgoing mail; and, managing voicemail.

Program Learning Outcomes

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

1. Use application software to create and edit word processing documents.
2. Use application software to create and edit spreadsheets.
3. Manage a records system.

OT 1	Computer Basics	1.5
OT 5	Document Formatting	1.5
OT 11A	Microsoft Word Essentials	1.5
OT 11C	Word Processing Projects	1.5
OT 44	Filing Procedures	2
OT 48	Today's Receptionist	1.5
OT 150	Beginning Keyboarding	1
OT 151	Championship Keyboarding	1
OT 152	Speed Typing	1

Select one course from following list or a higher level English course 2

ENGL 1A	Reading and Composition	4
ENGL 105	Grammar and Punctuation	2
	Total Units	14.5-16.5

Advisors: Ensz

RECEPTIONIST (MAJOR #R.7070.CC)
CERTIFICATE OF COMPLETION

The Receptionist Certificate of Completion prepares the student for an entry-level position as a receptionist. The student will acquire the skills of customer service and greeting customers and visitors; word processing, record keeping and filing, and telephone communications; process incoming and outgoing mail; and, managing voicemail.

Program Learning Outcomes

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

- Use application software to create and edit word processing documents
- Use application software to create and edit spreadsheets.
- Manage a records system.

OT 301	Computer Basics	36
OT 305	Document Formatting	36
OT 311A	Microsoft Word Essentials3	36
OT 311C	Word Processing Projects	36
OT 344	Filing Procedures	36
OT 348	Today's Receptionist	27
OT 350	Beginning Keyboarding	45
OT 351	Championship Keyboarding	45
OT 352	Speed Typing	45
	Total Hours	342

PHILOSOPHY

PHILOSOPHY (MAJOR #R.5711.CA)

CERTIFICATE OF ACHIEVEMENT

Upon completion of this certificate students will have a familiarity with the history and main branches of philosophy, and an understanding of philosophical methodology. This certificate is designed to develop critical thinking skills, as well as enhance the ability to read, comprehend, analyze, and construct complex arguments on a variety of issues. These skills will be valuable assets to transfer students to four-year institutions, whether they major in philosophy or another field of study..

Program Learning Outcomes:

Upon completion of this program students will be able to:

- Analyze deductive arguments for validity and soundness.
- Understand the difference between deductive and inductive
- Write a cogent argumentative essay.
- Respect the values of dialogue, argumentation, and principled criticism in a societal and global context.
- Explain the most important issues in philosophy and accurately characterize various opposing viewpoints on them.
- Thoroughly and accurately describe the arguments for opposing viewpoints on philosophical issues.
- Construct arguments of their own on philosophical issues and express their arguments clearly and cogently.
- Respond to objections to their own views and engage in rational dialogue on philosophical issues without resorting to
- See philosophical questioning and rational dialogue as valuable and essential elements of a human life well lived.

PHIL 1	Introduction to Philosophy	3
Select one course		3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
Select one course		3
PHIL 2	Critical Reasoning and Analytic Writing	3
PHIL 4	Introduction to Logic	3
PHIL 6	Symbolic Logic	3
Select one course		3
PHIL 3A	History of Ancient Philosophy	3
PHIL 3B	History of Modern Philosophy	3
	Total Units	12

PHYSICAL EDUCATION

CERTIFICATE IN COACHING (MAJOR #R.4211.CN)

Students who complete this program will be well-informed of current topics associated with the coaching profession. Topics include Title IX, prevention and treatment of injuries, and basic coaching pedagogy. Completion of the program prepares students for coaching at elementary, middle, and high school levels as well as recreational coaching.

Required Courses		12.5
HLTH 1	Contemporary Health Issues	3
HLTH 2	First Aid and Safety	3
KINES 20	Athletic Training	3.5
KINES 22	Introduction to Kinesiology	3
Select		1-3
PE 2	Aerobics (Dance, Step or Water)	1
PE 4	Badminton	1
PE 5	Basketball	1
PE 5B	Intermediate Basketball	1
PE 6	Fitness and Health	1
PE 7	Golf	1
PE 8	Martial Arts/Self Defense	1
PE 10	Racquetball	1
PE 12	Beginning Swim for Fitness	1
PE 12B	Intermediate Swim for Fitness	1
PE 12C	Advanced Swim for Fitness	1
PE 13	Tennis	1
PE 14	Volleyball	1
PE 15	Weight Training	1
PE 16	Fitness Walking	1
PE 15B	Advanced Weight Training	1
PE 18	Floor Exercises	1
PE 19	Weight Training and Aerobics	1
PE 19B	Advanced Weight Training and Aerobics	1
PE 30A	Theory of Baseball	1
PE 30B	Competitive Baseball	3
PE 30C	Off-Season Conditioning for Baseball	1
PE 30D	Baseball Training	3
PE 31A	Theory of Basketball	1
PE 31B	Competitive Basketball	3
PE 31C	Off-Season Conditioning for Basketball	1
PE 33A	Theory of Football	1
PE 33B	Competitive Football	3
PE 33C	Off-Season Conditioning for Football	1
PE 34A	Theory of Golf	1
PE 34B	Competitive Golf	3

PE 34C	Off-Season Conditioning for Golf	1
PE 35B	Pep Squad	3
PE 36B	Competitive Soccer	3
PE 36C	Off-Season Conditioning for Soccer	1
PE 37A	Theory of Softball	1
PE 37B	Competitive Softball	3
PE 37C	Off-Season Conditioning for Softball	1
PE 38A	Theory of Tennis	1
PE 38B	Competitive Tennis	3
PE 38C	Off-Season Conditioning for Tennis	1
PE 40A	Theory of Volleyball	1
PE 40B	Competitive Volleyball	3
PE 40C	Off-Season Conditioning for Volleyball	1
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics	1-2
PE 49	Weight Training for Collegiate Athletes	1
PE 49A	Beginning Circuit Training	1
PE 71	Soccer	1
	Total Units	13.5-15.5

PHYSICAL EDUCATION (MAJOR #R.4200.AA)
ASSOCIATE IN ARTS DEGREE

The student who completes the requirements for an AA degree in Physical Education will identify effective pedagogical techniques for primary and secondary students. The student will demonstrate a basic knowledge of human anatomy and the treatment of common sports/fitness related injuries. The student will have practical experience in a breadth of activities, such as intercollegiate sports, swimming, racquet sports, and fitness activities like weight training and aerobic dance.

Program Learning Outcome:

- Plan, implement, and practice appropriate fitness activities that promote improved levels of muscular strength & endurance, cardio-respiratory endurance, flexibility, and body composition.

BIOL 5	Human Biology	4
Complete a minimum of eight (8) units from the following:		8
BIOL 20	Human Anatomy	4
BIOL 22	Human Physiology	5
CHEM 3A	Introductory General Chemistry	4
CHEM 10	Elementary Chemistry	4
FN 35	Nutrition and Health	3
FN 40	Nutrition	3
HLTH 1	Contemporary Health Issues	3
HLTH 2	First Aid and Safety	3
KINES 20	Athletic Training	3.5
KINES 22	Introduction to Kinesiology	3
Select three (3) units from the following:		3
DANCE 9	Dance Conditioning	1
DANCE 10	Modern Dance	1
DANCE 14	Beginning Jazz Dance	1
PE 1	Adapted Physical Education	1
PE 2	Aerobics (Dance, Step or Water)	1
PE 4	Badminton	1
PE 5	Basketball	1
PE 5B	Intermediate Basketball	1
PE 6	Fitness and Health	1
PE 7	Golf	1
PE 10	Racquetball	1
PE 12	Beginning Swim for Fitness	1
PE 12B	Intermediate Swim for Fitness	1
PE 12C	Advanced Swim for Fitness	1
PE 13	Tennis	1
PE 14	Volleyball	1
PE 15	Weight Training	1
PE 15B	Advanced Weight Training	1
PE 16	Fitness Walking	1
PE 18	Floor Exercises	1
PE 19	Weight Training and Aerobics	1
PE 19B	Advanced Weight Training and Aerobics	1
PE 29	Yoga	1
PE 30B	Competitive Baseball	3
PE 30C	Off-Season Conditioning For Baseball	1
PE 30D	Baseball Training	3
PE 31B	Competitive Basketball	3
PE 31C	Off-Season Conditioning For Basketball	1
PE 33B	Competitive Football	3
PE 33C	Off-Season Conditioning For Football	1
PE 34B	Competitive Golf	3
PE 34C	Off-Season Conditioning For Golf	1

PE 36B	Competitive Soccer	3
PE 36C	Off-Season Conditioning for Soccer	1
PE 37B	Competitive Softball	3
PE 37C	Off-Season Conditioning For Softball	1
PE 38B	Competitive Tennis	3
PE 38C	Off-Season Conditioning For Tennis	1
PE 39B	Competitive Track and Field	3
PE 39C	Off-Season Conditioning for Track and Field	1
PE 40B	Competitive Volleyball	3
PE 40C	Off-Season Conditioning for Volleyball	1
PE 43B	Competitive Swimming and Diving	3
PE 43C	Off-Season Conditioning for Swimming	1
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics	1 - 2
PE 49A	Beginning Circuit Training	1
PE 71	Soccer	1
Select additional units from above areas		3
	Total Units	18

Advisor(s): Jennings, Locklin, O'Connor, Pearse, Stark, Whited

PHYSICAL SCIENCE

PHYSICAL SCIENCE (MAJOR #R.6300.AS)
ASSOCIATE IN SCIENCE DEGREE

Purpose: To provide a background in physical science or to prepare students for transfer into chemistry, geology, physics, and engineering four-year programs. These four-year programs require more courses than the minimum program given here. The major also provides valuable background for physical science technicians and engineering aides.

Program Learning Outcomes:

- Recognize and utilize correctly the terminology of math, statistics and/or science.
- Analyze and interpret data using quantitative and qualitative methods.

MATH 5A	Calculus I	5
MATH 5B	Calculus II	4
Select one (1)		4-5
CHEM 1A	General Chemistry	5
CHEM 3A	Introductory General Chemistry	4
Select one (1)		3-5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 8	Elementary Organic Chemistry	3
Select one (1) sequence		8-12
PHYS 2A	General Physics I	
PHYS 2B	General Physics II	8
	or	
PHYS 4A	Physics for Scientists and Engineers	
PHYS 4B	Physics for Scientists and Engineers	
PHYS 4C	Physics for Scientists and Engineers	12
	Total Units	24 – 31

Advisor(s): Blanken, Cornel

PLANT SCIENCE

Program Learning Outcomes:

- Comprehension and identification of the structures and functions of plant cells, organelles, tissues, organs, and integrate important plant processes such as growth, photosynthesis, respiration, and translocation with plant management practices.
- Experience with the physical, chemical, and biological properties of soils, and the incorporation of analytical testing procedures for nutrients, moisture, and physical characteristics with economical stewardship of soil management.
- Developed awareness of theoretical and practical applications to orchard, vineyard, and vegetable production systems with emphasis on San Joaquin Valley specifics for irrigation, fertility, cultural, and pest managements.
- Measurable knowledge and skills of irrigation science with its effects on plant growth and development, yield and profitability, soil properties and reclamation. Additional competence developed includes predictive models and scheduling; system design, operation, and evaluation; and historical, political, and societal interactions with irrigation.
- Understanding of the principles of integrated pest management, including population dynamics and selection, and the use of biological, chemical, regulatory, genetic, cultural, and physical/mechanical controloptions in a systems approach that optimizes economics and minimizes environmental side effects.

- Competency in quantitative and qualitative data analyses related to performance of crop variety, fertilizer treatments, cultural effects, and environmental stresses. Evaluation and establishment of laboratory, test plot, and field conditions to determine if significant differences exist and can be identified.
- Proficiency in machinery management and operation of farm equipment.
- Demonstrate a breath of knowledge in the agriculture industry which provides a base for effective decision making and credibility in personal interactions and career decisions.

AGRICULTURE & TECHNOLOGY (MAJOR #R.1031.AS) ASSOCIATE IN SCIENCE DEGREE

Completion of the Associate in Science Degree in Agriculture & Technology provides introduction to fundamental practices and principles in Animal Science, Agricultural Business and Plant and Soil Science. Entry level employment in production agriculture and transfer to general agriculture programs are intended outcomes of this program.

Program Learning Outcomes:

1. Comprehension and identification of the structures and functions of plant cells, organelles, tissues, organs, and integrate important plant processes such as growth, photosynthesis, respiration, and translocation with plant management practices.
2. Experience with the physical, chemical, and biological properties of soils, and the incorporation of analytical testing procedures for nutrients, moisture, and physical characteristics with economical stewardship of soil management.
3. Developed awareness of theoretical and practical applications to orchard, vineyard, and vegetable production systems with emphasis on San Joaquin Valley specifics for irrigation, fertility, cultural, and pest managements.
4. Understanding of the principles of integrated pest management, including population dynamics and selection, and the use of biological, chemical, regulatory, genetic, cultural, and physical/mechanical control options in a systems approach that optimizes economics and minimizes environmental side effects.
5. Proficiency in machinery management and operation of farm equipment.
6. Demonstrate a breadth of knowledge in the agriculture industry which provides a base for effective decision making and credibility in personal interactions and career decisions.

Required Courses (16 units)

AGBS 2	Agricultural Economics	3
AGBS 4	Computer Applications in Agriculture	3
AS 1	Introduction to Animal Science	3
Plant & Soil Science Physical and Biological Science Core		7
PLS 11	Machinery Technology	3

Select one group

Group 1

PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1

Group 2

PLS 2	Soils	3
PLS 2L	Soils Laboratory	1

Agricultural Science Electives (Select 12-13 Units)

AGBS 1	Introduction to Agriculture Business	3
AGBS 3	Agriculture Accounting	3
AGBS 5	Ag Sales and Communications	3
AS 2	Beef Production	3
AS 3	Sheep Production	3
AS 4	Swine Production	3
AS 5	Animal Nutrition	3
AS 6	Livestock Selection and Evaluation	3
AS 10	Meat Evaluation and Processing	3
AS 21	Equine Science	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 5	Principles of Irrigation Management	3
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
PLS 8	Vegetable Production	3
PLS 9	Biometrics	3
PLS 14	Plant Nutrition	3
	Total Units	28-29

Advisor(s): T. Smith

ENOLOGY (MAJOR #R.1077.AS)
ASSOCIATE IN SCIENCE DEGREE

The associate degree program is designed to prepare students for upper division course work and transfer, leading to a baccalaureate degree in enology at a CSU or UC institution. The curriculum prepares students for entry level positions in the wine industry including wine production, quality assurance and control, vineyard management and grape production.

Program Learning Outcomes:
Students will
- know the fundamentals of the wine industry
- know the scientific principles associated with winemaking
- know the desirable characteristics of wine grapes
- conduct wine analysis
- demonstrate winery safety

Required Courses		25-26
Physical & Biological Sciences		13
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
BIOL 31	Microbiology	5
Plant & Soil Science Core		9
PLS 3	General Viticulture	3
	or	
PLS 4A	Tree and Vine Management	3
PLS 16	Wine Sensory Analysis and Evaluation	3
PLS 18	Introduction to Enology	
	or	
PLS 21	Fermentation Science	3
Select one from the following		3-4
PLS 9	Biometrics	3
MATH 11	Introduction to Statistics	4
STAT 7	Elementary Statistics	4
Plant & Soil Science Electives		6-7
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 5	Principles of Irrigation Management	3
PLS 7	Integrated Pest Management	3
PLS 11	Machinery Technology	3
PLS 14	Plant Nutrition	3
	Total Units	31-33

ENOLOGY (MAJOR #R.1077.CA)
CERTIFICATE OF ACHIEVEMENT

The curriculum prepares students for entry level positions in the wine industry including wine production, quality assurance and control, vineyard management and grape production.

Program Learning Outcomes:
Students will
- know the fundamentals of the wine industry
- know the scientific principles associated with winemaking
- know the desirable characteristics of wine grapes
- conduct wine analysis
- demonstrate winery safety

Biological and Physical Science Core		4-5
Select one course		
CHEM 3A	Introductory General Chemistry	4
BIOL 31	Microbiology	5
Plant & Soil Science Core		12-13
PLS 3	General Viticulture	
	or	
PLS 4A	Tree and Vine Management	3
PLS 16	Wine Sensory Analysis and Evaluation	3
PLS 18	Introduction to Enology	
	or	
PLS 21	Fermentation Science	3
Select one course		
PLS 9	Biometrics	3
MATH 11	Introduction to Statistics	3
STAT 7	Elementary Statistics	4
Plant & Soil Science Electives		6-7
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 5	Principles of Irrigation Management	3
PLS 7	Integrated Pest Management	3
PLS 11	Machinery Technology	3
PLS 14	Plant Nutrition	3
	Total Units	22-25

IRRIGATION, FERTILITY & PEST MANAGEMENT TECHNICIAN (MAJOR #R.1073.CA)
CERTIFICATE OF ACHIEVEMENT

The Irrigation, Fertility and Pest Management Technician Certificate is intended for students pursuing entry level, apprenticeship status, or State of California licensing requirements with agricultural consultants including: pest control advisors, pest control operators, irrigation schedulers and districts, and crop fertility monitoring and mitigation. Certificate completers will be introduced to principles and practices utilized by professional consultants, institutional researchers, and regulatory agencies.

PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 5	Principles of Irrigation Management	3
Select 1 course from the following		3
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
Select 1 course from the following		3
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 8	Vegetable Production	3
PLS 9	Biometrics	3
PLS 14	Plant Nutrition	3
	Total Units	17

Advisor(s): T. Smith

PEST CONTROL ADVISOR (MAJOR #R.1075.CA)
CERTIFICATE OF ACHIEVEMENT

The Pest Control Advisor certificate of achievement prepares students for a career as a pest control advisor. Coursework is aligned with the California Department of Pesticide Regulation PCA license requirements. Completion of the certificate indicates the completion of coursework required by CDPR and the student is competent for employment in the field and for CDPR examinations.

Crop Health : Select 9 units from the following courses		9
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 5	Principles of Irrigation Management	3
PLS 14	Plant Nutrition	3
Pest Management Systems and Methods: Select 6 units from the following courses		6
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
Physical and Biological Sciences: Select 12 units from the following courses:		12
BIOL 2	Environmental Science	4
	or	
BIOL 13	Environmental Science	3
BIOL 13L	Environmental Science Lab	1
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 31	Microbiology	5
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 10	Elementary Chemistry	4
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 7	Conservation of Natural Resources	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 34	Conservation Laboratory	1
PLS 18	Introduction to Enology	3
PLS 25	Agriculture Chemistry	3
SCI 1A	Introductory Chemical and Physical Science	4

Production Systems:
Select 6 units from the following courses 6

AS 1	Introduction to Animal Science	3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 5	Animal Nutrition	3
AS 21	Equine Science	3
EH 30	Principles of Environmental Horticulture	3
NR 1	Introduction to Forestry	3
NR 11	Silviculture	3
NR 20	Forest Measurements	3
NR 21	Forest Products	3
NR 25	Forest and Resource Management	1
NR 108	Introduction to Forestry Field Studies	.5
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 8	Vegetable Production	3
PLS 11	Machinery Technology	3
PLS 26	Hemp Production	3
EH 43	Plant Propagation/ Production	3

Electives: Select 9 units from the Crop Health, Pest Management Systems and Methods, and Production Systems listed above: 9

Total Units 42

Advisor(s): Smith

PLANT AND SOIL SCIENCE (MAJOR #R.1074.AS) ASSOCIATE IN SCIENCE DEGREE

Students who complete this program will be well-informed of physical, chemical, and biological principles and processes of plants and soils. Mastering these principles allow the selection of effective programs of plant development, irrigation, fertility, pest management, and soil management. Completion of the program prepares students for careers in management of tree, vine, vegetable, and field crops; for transfer into California State University and University of California institutions; and entry-level technical positions in the production agriculture industry.

To provide practical knowledge and specific skills in plant and soil sciences as required in vineyard, orchard, vegetable, and field crop management systems.

Plant & Soil Science Core 17

AGBS 3	Agriculture Accounting	3
AGBS 4	Computer Applications in Agriculture	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 11	Machinery Technology	3

Option A 15

This pathway is designed for students primarily interested in acquiring an entry-level position within the plant & soil science industry.

Select 1 course: 3

AS 1	Introduction to Animal Science	3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 5	Animal Nutrition	3

Select a minimum of 12 units from the following 12

EH 43	Plant Propagation/ Production	3
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 5	Principles of Irrigation Management	3
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
PLS 8	Vegetable Production	3
PLS 9	Biometrics	3
PLS 14	Plant Nutrition	3
PLS 16	Wine Sensory Analysis and Evaluation	3
PLS 17	Winery Laboratory Techniques and Equipment Operation	3
PLS 18	Introduction to Enology	3

Total Units 35

OPTION B 20-21

This pathway, along with additional transferable general education courses, is designed for students seeking to transfer to a four-year plant and soil science degree program.

Required Courses		13
AGBS 2	Agricultural Economics	3
CHEM 3A	Introductory General Chemistry	4
PLS 5	Principles of Irrigation Management	3
PLS 7	Integrated Pest Management	3
Select one from the following:		3-4
CHEM 3B	Introductory Organic and Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
Select one from the following:		4
STAT 7	Elementary Statistics	
MATH 11	Introduction to Statistics	
	Total Units	32-38

Advisor(s): Smith

PLANT PROTECTION INTERN (MAJOR #R.1076.CA)
CERTIFICATE OF ACHIEVEMENT

The Plant Protection Intern certificate of achievement prepares students for a career as a pest control advisor. Coursework is aligned with the California Department of Pesticide Regulation PCA license requirements. Students completing the certificate are introduced to practices and principles needed for employment and license examination preparation.

Crop Health: Select		3
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1
PLS 5	Principles of Irrigation Management	3
PLS 14	Plant Nutrition	3
Pest Management Systems and Methods:		
Select 3 units from the following courses		3
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
Physical and Biological Sciences		
Select 6 units from the following courses		6
BIOL 2	Environmental Science	4
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 13	Environmental Science	3
BIOL 13L	Environmental Science Lab	1
BIOL 31	Microbiology	5
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic and Biological Chemistry	4
CHEM 8	Elementary Organic Chemistry	3
CHEM 9	Elementary Organic Chemistry Laboratory	3
CHEM 28A	Organic Chemistry I	3
CHEM 28B	Organic Chemistry II	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 7	Conservation of Natural Resources	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 34	Conservation Laboratory	1
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 18	Introduction to Enology	3
PLS 25	Agricultural Chemistry	3
SCI 1A	Introductory Chemical and Physical Science	4
Production Systems		
Select 6 units from the following courses		6
AS 1	Introduction to Animal Science	3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 5	Animal Nutrition	3
AS 21	Equine Science	3
EH 30	Principles of Environmental Horticulture	3
NR 1	Introduction to Forestry	3
NR 11	Silviculture	3
NR 20	Forest Measurements	3
NR 21	Forest Products	3
NR 25	Forest and Resource Management	1
NR 108	Introduction to Forestry Field Studies	.5
PLS 1	Introduction to Plant Science	3

PLS 1L	Introduction to Plant Science Laboratory	1
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 8	Vegetable Production	3
PLS 11	Machinerty Technolgy	3
PLS 26	Hemp Production	3
EH 43	Plant Propagation/ Production	3

Electives: Select 3 units from courses listed in Crop Health, Pest Management, Production Systems or Physical and Biological Sciences 3

Total Units 21

Advisor(s): Smith

PRODUCTION AGRICULTURE TECHNICIAN

(MAJOR #R.1074.CA)

CERTIFICATE OF ACHIEVEMENT

The Production Agriculture Technician Certificate prepares students pursuing immediate employment and careers in production agriculture, including crop production, labor supervision, and equipment management. Fundamentals of plant growth management, soil science and equipment operation are supported with practical applications used in agricultural industry.

Required Courses 11

AGBS 4	Computer Applications in Agriculture	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1

Plant and Soil Science Elective (select one) 3

AG 31	Food Safety-HAACP	3
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 5	Principles of Irrigation Management	3
PLS 6	Pesticides	3
PLS 7	Integrated Pest Management	3
PLS 8	Vegetable Production	3
PLS 9	Biometrics	3
PLS 11	Machinery Technology	3
PLS 14	Plant Nutrition	3

Total Units 14

Advisor(s): Smith

SOCIAL SCIENCE

SOCIAL SCIENCE (MAJOR #R.7410.AA)

ASSOCIATE IN ARTS DEGREE

Students who complete the requirements for the Social Science Associate Degree will acquire a knowledge of human behavior, society, and institutions through the study of courses in Anthropology, Economics, Ethnic Studies, Geography, History, Political Science, Psychology, and Sociology. The Social Science program is well suited for the transfer student who completes his/her education at Reedley College.

Program Learning Outcomes:

1. Identify the main characteristics, concepts, ideas, and theories of at least four social science disciplines including: Anthropology, Geography, History, Political Science, Psychology, and Sociology.
2. Use Social Science concepts to analyze cultural, global, political, psychological, and social issues.

Choose 21 units from FOUR separate disciplines.

Choose from FOUR separate disciplines 21

ANTHRO 1	Biological Anthropology	3
ANTHRO 2	Cultural Anthropology	3
ANTHRO 3	Introduction to Archaeology and Prehistory	3
ECE 2	Child Growth and Development	3
ECE 14	Lifespan Development	
	or	
PSY 38	Lifespan Development	3
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
ETHNST 5	African People in the New World	
	or	
HIST 5	African People in the New World	3
ETHNST 32	History of the Mexican American People	
	or	
HIST 32	History of the Mexican American People	3
GEOG 6	World Regional Geography	3
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
HIST 5	African People in the New World	
	or	
ETHNST 5	African People in the New World	3

HIST 11	History of the United States to 1877	3
HIST 12	History of the United States since 1865	
	or	
HIST 12H	Honors History of the United States since 1865	3
HIST 20	World History I, to 1600	3
HIST 22	History of American Women	3
HIST 32	History of the Mexican American People	
	or	
ETHNST 32	History of the Mexican American People	3
POLSCI 2	American Government or	
POLSCI 2H	Honors American Government	3
POLSCI 5	Comparative Government	3
POLSCI 110	American Institutions	3
PSY 2	General Psychology	
	or	
PSY 2H	Honors General Psychology	3
PSY 5	Social Psychology	3
PSY 16	Abnormal Psychology	3
PSY 25	Human Sexuality	3
PSY 38	Lifespan Development	
	or	
ECE 14	Lifespan Development	3
SOC 1A	Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups	3
SOC 11	Sociology of Gender	3
SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships	3
	Total Units	21

Advisor(s): Tellalian, Terrell

WINE PRODUCTION - SEE ENOLOGY, PLANT SCIENCE

WORLD LANGUAGES

WORLD LANGUAGES (MAJOR #R.5501.AA)
ASSOCIATE IN ARTS DEGREE

Students completing this program will understand the phonological, semantic, and syntactic features of a foreign language and the relationship of that language to one or more cultures in which it is used. They will possess the receptive skills (listening and reading) and the productive skills (speaking and writing) necessary to achieve communicative competence in at least one foreign language and will be prepared to pursue more advanced study of that language at a four-year institution.

Requirements for the major: A minimum of 22 units must be completed for the major.

Select at least three courses from a minimum of two languages		12
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	5
FRENCH 3	Intermediate French	5
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish	5
SPAN 3	Intermediate Spanish	5
	or	
SPAN 3NS	Spanish for Spanish Speakers	5
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3
Select at least one course		4-5
FRENCH 4	High-Intermediate French	5
SPAN 4	High-Intermediate Spanish	
	or	
SPAN 4NS	Spanish for Spanish Speakers	5
SPAN 5	The Short Story: Mexico, Spain, And The U.S.	4
Select one course		3
LING 10	Introduction to Language	
	or	
LING 11	Introduction to Language for Teachers	3
Select one course		3
ENGL 44A	World Literature to the Renaissance	3
ENGL 44B	World Literature Since the Renaissance	3
ENGL 49	Latino & Chicano Literature	3
GEOG 6	World Regional Geography	3
HIST 1	Western Civilization to 1648	3
HIST 2	Western Civilization from 1648	3
	Total Units	21-26

Advisors: Aguirre, Amezola

Course Description Information

Course Description Information

The schedule of classes generally runs from 7:00 a.m. to 10:00 p.m., Monday through Friday, as well as classes on Saturday. Courses are also available in communities throughout our district. Students may complete work toward the Associate Degrees and Certificates either during the day, evening, or Saturday sessions, or by a combination.

Summer Session: summer sessions are part of the instructional program and are offered during the day in four- and six-week formats and in the evening in an eight-week format.

Course Description, Numbering, Classification Units or Credit Value:

Each course carries a certain credit or unit value.
Subject Prerequisites. Successful completion of a course or courses required before enrolling in a more advanced course.

COURSE NUMBERING

Courses numbered 1-99: Associate degree applicable credit courses. Most of these courses are also transferable to four-year colleges and universities. Contact a counselor for specific transfer information.

Courses numbered 100-199: Associate degree applicable non-transfer.

Courses numbered 200-299: Non-degree applicable, non-transferable credit courses. Non-degree applicable credit courses are subject to a 30 unit maximum for financial aid purposes.

Courses numbered 300-399: Non-credit, non-transferable courses.

Since different institutions use different numbering systems, a student may encounter difficulty in comparing courses. Students should be guided by the description and should consult a counselor for assistance.

Course Identification Numbering System (C-ID)

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

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

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

COURSE REPETITION: Identified courses may be taken up to four times. These courses provide different experiences or levels of difficulty with each repetition. Although Reedley College may permit a student to repeat a course up to three times, be advised that a student who is transferring to a baccalaureate degree granting institution may not receive transfer credit for all units completed.

CLASS PERIODS: College classes may not meet every day in the week. The number of lecture or laboratory periods for each week is indicated in the course description. The schedule of classes (issued as a separate publication) will indicate which hours of the day and which days in the week the class is scheduled. Courses marked "offered infrequently" are not usually scheduled each semester.

COURSE CERTIFICATION: Lists of courses certified by Reedley College as being baccalaureate level are on file at receiving institutions. Copies are also available through the counseling offices and major advisors. General Education designations and baccalaureate level courses are also indicated in the course description. These courses change constantly. Check with a counselor for most updated listing of courses.

FIELD TRIPS: Certain classes have field trips scheduled which contribute substantially to the understanding of the course. Some of these trips are scheduled for evenings or Saturdays. Field trips scheduled during hours of the official school day may be considered as part of instruction. Students pay their own expenses on field trips if possible.

Prerequisites/Corequisites/ Advisories

Students are urged to study the description of courses in this catalog to ensure that prerequisites are satisfied before registering for a course. Correct registration at an early date is important.

It is the student's responsibility to be certain that they have met the necessary prerequisite(s) for any course taken. The student may be dropped from any class where it is verified that the necessary prerequisite has not been met.

It should be understood by the student that whether or not a prerequisite is specifically stated, the instructional staff of this college assumes that each student who enrolls in a transfer-level course possesses sufficient competencies in the areas of reading, writing, and mathematics to be able to profit from instruction.
Advisory indicates that the institution recommends, but does not require, certain course work be taken prior to enrolling in the described course.

Corequisite indicates that the course must be taken simultaneously with another course if not already completed.

Prerequisite is defined to mean a condition of enrollment that a student must meet in order to register in a course or program. A student may challenge a prerequisite by completing the Prerequisite/Corequisite Challenge Form available in the Counseling Center. A "C" or better grade is required in the prerequisite course(s).

Symbols and Abbreviations

A - Course description designation for those courses which are associate degree applicable.
P-NP - Course description designation for courses available on a credit/no credit grading basis as well as a letter grading basis.
C-ID - C-ID is a common numbering system. Courses from different colleges with the same C-ID may be used in place of one another
P-NP Only - Course description designation for courses not available on a letter grading basis.
Grading Scale Only - Course descriptions that do not indicate a grading basis are offered on a grading scale only.
CSU - Transferable to the California State University system.
CSU-GE - Meets the general education requirements for California State University transfer certification. Completion of all courses in the California State University General Education transfer certification pattern will permit a student to transfer to a campus in the California State University system without having to complete additional lower division general education courses after transfer.
I - Meets the requirements of the Intersegmental General Education Transfer Curriculum (IGETC). Completion of all IGETC requirements will permit a student to transfer to a campus in either the California State University or University of California system without having to complete additional lower division general education courses after transfer.
UC - Transferable to the University of California system.

Course Abbreviations

ACCTG	Accounting
AFRAM	African-American Studies
AG	Agriculture
AGBS	Agriculture Business
AGED	Agriculture Education
AMIND	American Indian Studies
AMT	Aviation Maintenance Technology
ANTHRO	Anthropology
ART	Art
AS	Animal Science
ASAMER	Asian-American Studies
ASL	American Sign Language
ASTRO	Astronomy
AUTOT	Automotive Technology
BA	Business Administration
BIOL	Biology
CHEM	Chemistry
CLS	Chicano-Latino Studies
COMM	Communication
COTR	Cooperative Work Experience Education
COUN	Counseling
CRIM	Criminology
CSCI	Computer Science
DA	Dental Assisting
DANCE	Dance
DEVSER	Developmental Services
ECE	Early Childhood Education
ECON	Economics
EDUC	Education
EH	Environmental Horticulture
ENGL	English
ENGR	Engineering
ESL	English as a Second Language
ETHNST	Ethnic Studies
FILM	Film
FLGHT	Flight Science
FN	Foods and Nutrition
FRENCH	French

GEOG	Geography
GEOL	Geology
HIST	History
HLTH	Health Science
HONORS	Honors
INDST	Individual Study
INTDS	Interdisciplinary Studies
IS	Information Systems
IT	Industrial Technology
JOURN	Journalism
KINES	Kinesiology
LIBSKL	Library Skills
LING	Linguistics
LITEC	Library Technology
MAG	Mechanized Agriculture
MATH	Mathematics
MFGT	Manufacturing Technology
MKTG	Marketing
MUS	Music
NAT	Nursing Assistant Training
NR	Natural Resources
OT	Office Technology
PE	Physical Education
PHIL	Philosophy
PHOTO	Photography
PHYS	Physics
PLS	Plant Science
POLSCI	Political Science
PSY	Psychology
SCI	Science
SERV	Service Learning
SOC	Sociology
SPAN	Spanish
SPST	Special Studies
ST	Supervised Tutoring
STAT	Statistics
SURV	Surveying
VESL	Vocational English as Second Language
WELD	Welding Technology
WLF	Wildland Fire

Deleted Courses (from 2022-2023 Catalog)

Art 30A
Art 30B
Art 33
Art 37A
Art 37B
Art 38
PSY 46
PSY 47
PSY 48
PSY 49

SCCCD Intra-District Articulated Courses

"In-lieu" refers to courses that Clovis Community College, Fresno City College, Reedley College, and Madera Community College (which includes Oakhurst) have agreed to articulate with one another to meet major and general education requirements for local associate degree and certificate programs. Please speak with your counselor to obtain this information.

The "In Lieu" agreement does not apply to the CSUGE and IGETC Certificate of Achievement. CSUGE and IGETC certifications are based on the individual college at which the course was completed. In lieu courses may or may not meet the same major requirement at a CSU, UC, independent, or out-of-state institution. Articulation agreements for specific majors and general education to the CSU and UC campuses vary by college and are available on www.assist.org.

Course Descriptions

ACCOUNTING (ACCTG)

4A FINANCIAL ACCOUNTING

4 units, 4 lecture hours, 1 lab hour

ADVISORIES: English 1A and Mathematics 201.

This course covers the accounting information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. It includes recording and reporting of business transactions with a focus on the accounting cycle, and the application of generally accepted accounting principles for the preparation of financial statements. This course includes issues relating to asset, liability, equity valuation, revenue and expense recognition, cash flow, internal control and ethics. (A, CSU, UC) (C-ID ACCT 110)

4B MANAGERIAL ACCOUNTING

4 units, 4 lecture hours, 1 lab hour

PREREQUISITES: Accounting 4A. ADVISORIES: English 1A and Mathematics 201.

This course is a study of how managers use accounting information in decision-making, planning, directing operations and controlling. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Includes issues of cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. (A, CSU, UC) (C-ID ACCT 120)

19V COOPERATIVE WORK EXPERIENCE, ACCOUNTING

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment, pass/no pass

Supervised employment, directly related to student's major in accounting. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

31 COMPUTERIZED ACCOUNTING

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Accounting 40 or 340, or 4A or 304A, or 2 years high school accounting or equivalent. English 1A or 1AH, and Mathematics 201.

This class provides an introduction to accounting procedures using QuickBooks accounting software. The class presents the use of various accounting modules, including general ledger, depreciation, accounts receivable, accounts payable, payroll and inventory control. (A, CSU)

40 APPLIED ACCOUNTING

4 units, 4 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: English 1A and Mathematics 201.

This course is designed to introduce basic accounting concepts. Emphasis will be placed on journal entries, posting to ledgers, preparing worksheets, and financial statements for a sole proprietorship operating as a service organization. Ten-key office calculators will be used with an emphasis on speed and accuracy. (A, CSU)

146 INCOME TAX-A SHORT COURSE

1.5 units, 1.5 lecture hours, pass/no pass

ADVISORIES: Mathematics 201.

This course is designed to assist individuals to prepare their Federal 1040 and the associated schedules. (A)

304A FINANCIAL ACCOUNTING

0 units, 4 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH, and Mathematics 201.

This course covers the accounting information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. It includes recording and reporting of business transactions with a focus on the accounting cycle, and the application of generally accepted accounting principles for the preparation of financial statements. This course includes issues relating to asset, liability, equity valuation, revenue and expense recognition, cash flow, internal control and ethics.

331 COMPUTERIZED ACCOUNTING

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Accounting 40, 340, 304A or 4A, or 2 years high school accounting or equivalent; English 1A or 1AH, and Mathematics 201.

This class provides an introduction to accounting procedures using QuickBooks accounting software. The class presents the use of various accounting modules, including general ledger, depreciation, accounts receivable, accounts payable, payroll and inventory control.

340 APPLIED ACCOUNTING

0 units, 4 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH, and Mathematics 201.

This course is designed to introduce basic accounting concepts. Emphasis will be placed on journal entries, posting to ledgers, preparing worksheets, and financial statements for a sole proprietorship operating as a service organization. Ten-key office calculators will be used with an emphasis on speed and accuracy.

346 INCOME TAX-A SHORT COURSE

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 201.

This course is designed to assist individuals to prepare their Federal 1040 and the associated schedules.

AFRICAN-AMERICAN STUDIES (AFRAM)

1 INTRODUCTION TO AFRICAN AMERICAN STUDIES

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

This course is a critical interdisciplinary study of African American culture history and heritage from Pre Colonial West Africa through the 21st Century. This course will include an introduction to West African societies of the 15th and 16th centuries, prior to European Colonial Expansion; an examination of the transition into the era of African enslavement in Colonial America; an exploration of African American cultural development during the era of Reconstruction; an evaluation of African American political movements in response to social injustice and African American creative production; an analysis of the assimilation of African American culture into mainstream American culture during the 20th century; and finally, to examine and evaluate the African American community of the 21st Century. (A, CSU-GE, UC, I)

34 HISTORY OF THE AMERICAN CIVIL RIGHTS MOVEMENT

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

This course covers history of the struggle for civil and human rights in American history, focusing on the African American movement. It examines legal, moral, ethical, religious and humanistic foundation of the Movement. Forms of discrimination, segregation and oppression and various forms of resistance to them as well as efforts to protect human and civil rights in the United State are addressed. (A, CSU-GE)

AGRICULTURE (AG)

12 INTERNATIONAL AGRICULTURE TRADE

2 units, 1.5 lecture hours, 1.5 lab hours

ADVISORIES: Eligibility for Mathematics 201.

Analysis of international agriculture business trade policies, processes and activities. Exploration of trade barriers, trade groups, distribution channels, logistics, and opportunities. Overview of government regulations, the changing consumer, and the future of international agriculture. Focus in practical export fundamentals and includes hands-on applications. (A, CSU)

31 FOOD SAFETY – HACCP

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides an introduction to food safety principles including identification of potential food safety hazards and sources of contamination. Emphasis is placed on the benefits of implementing Good Agricultural Practices (GAPs) and Good Manufacturing Processes (GMPs) into food operations, and identification of the U.S. Regulatory Agencies that enforce food safety standards. It also covers the 5 preliminary steps and 7 principles of HACCP. (A, CSU)

331 FOOD SAFETY – HACCP

0 units, 3 lecture hours, pass/no pass only

ADVISORIES: English 1A or 1AH.

This course provides an introduction to food safety principles including identification of potential food safety hazards and sources of contamination. Emphasis is placed on the benefits of implementing Good Agricultural Practices (GAPs) and Good Manufacturing Processes (GMPs) into food operations, and identification of the U.S. Regulatory Agencies that enforce food safety standards. It also covers the 5 preliminary steps and 7 principles of HACCP.

110 SURVEY OF AGRICULTURE (FORMERLY AG 10)

3 units, 2 lecture hours, 3 lab hours

This course is a survey of the basic principles of the agriculture industry in California. Topic areas may include animal science, plant science, agriculture economics and management, resource management, and contemporary agricultural issues. This course will analyze current and historic trends in the California Agriculture Industry. (A)

111 COMPUTER SOLUTIONS IN AGRICULTURE (FORMERLY AG 11)

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Completion of Agriculture 1 or equivalent. ADVISORIES: Completion of Mathematics 201 or equivalent.

This is an advanced computer application course focusing on solving problems in agriculture business situations. The course will teach advanced spreadsheet and database skills needed for decision-making including the use of relational and logical operators, macros, querying, sorting, joining of files, and the use of criteria to filter data. (A)

260 AGRICULTURE ACHIEVEMENT I

1 unit, 1 lecture hour, pass/no pass

This course is designed for first year CASS scholars. It is a leadership development class that provides opportunities for students to hold an office, be a committee member, and work with others in the completion of group activities. The course includes leadership training and continued orientation to American life and college activities. Additionally, this course will provide students with activities which develop an understanding of American society and culture. It includes exposure to and discussion about the customs of the United States.

261 AGRICULTURE ACHIEVEMENT II

1 unit, 1 lecture hour, pass/no pass

This course is designed to meet the needs of international exchange students participating in special programs. The course presents international students with job search techniques, professional writing skills, résumé preparation, and interviewing skills common in the United States of America. A special focus will be how to "translate" those techniques to the culture of their home country.

313 FUNDAMENTALS OF THE FRESH FRUIT INDUSTRY

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course provides an overview of important functions of field, processing, and packing in the local fresh fruit industry including economics of Farming, Irrigation, Growing, Planting, Harvesting, Varietals, rootstocks, Field Labor management, Production, supply chain, retail supply chain, import export laws and production and inventory management.

314 EMERGING TECHNOLOGIES IN AGRICULTURE

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course provides an overview of emerging technology in the agriculture industry, specifically in tree fruit, citrus, and vineyard production. Topics including automation in the field and packing facility, as well as biotechnology in agriculture and an overview of programmable logic controllers (PLCs).

AGRICULTURE BUSINESS (AGBS)

1 INTRODUCTION TO AGRICULTURE BUSINESS (FORMERLY AG 9)

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course provides a basic understanding of the business and economics of the agriculture industry and the role that it plays in a global economy. Students will be introduced to the economic aspects of agriculture and their implications to the agricultural producer, consumers and the food system. Students will also discuss the management principles encountered in the day-to-day operation of an agricultural enterprise as they relate to the decision-making process. (A, CSU, UC) (C-ID AG+AB 104)

2 AGRICULTURAL ECONOMICS (FORMERLY AG 2)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 103.

This course focuses on the role that agriculture and farming play in the global economic environment: basic economic concepts and problems of agriculture; pricing and marketing problems; factors of production; state and federal farm programs affecting the farmer's economic position. (A, CSU-GE, UC) (C-ID AG - AB 124)

3 AGRICULTURE ACCOUNTING (FORMERLY AG 3)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 103.

This course addresses the principles of agricultural accounting systems and the various types of records used. Also addressed in this course is the cost analysis and revenue generation to improve efficiency of agribusiness firms. Emphasis will be placed on accounting for farm income taxes, Social Security contributions and employee payroll records. Hands-on projects developing computer-based solutions for agriculture business. (A, CSU) (C-ID AG + AB 128)

4 COMPUTER APPLICATIONS IN AGRICULTURE (FORMERLY AG 1)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 103.

This course addresses 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 other software appropriate to agribusiness applications. (A, CSU, UC) (C-ID AG + AB 108)

5 AG SALES AND COMMUNICATIONS (FORMERLY AG 5)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course covers the 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 scenarios and a formal sales presentation. The course content is organized to give students an in-depth understanding of the factors and influences that affect selling within the agribusiness industry. (A, CSU) (C-ID AGBS AG-AB 112)

6 CAREER PREPARATION (FORMERLY AGNR 1)

1 unit, 1 lecture hour

This course will cover the development of goals and skills required to secure a job in the agriculture and natural resources area including job search, résumé development, interviewing, motivation, communications, leadership, and employee/employer relationships. (A, CSU)

7 CAREER LEADERSHIP SEMINAR (FORMERLY AGNR 2)

1 unit, 1 lecture hour

This course is a seminar on workplace issues which addresses elements of leadership, communication skills, work ethic, workplace etiquette, teamwork, problem-solving, supervision, time management, and interviewing skills. (A, CSU)

8 AGRICULTURE AND NATURAL RESOURCES AMBASSADORS (FORMERLY AGNR 41)

2 units, 1 lecture hour, 3 lab hours, pass/no pass, 3 repeats

This is a course on career opportunities in Agriculture and Natural Resources (AGNR). Students will learn about career options and prepare presentations to be used with K-12 students to educate them about Agriculture and Natural Resources. (A, CSU)

9 AGRICULTURE AND NATURAL RESOURCES PROJECTS (FORMERLY AGNR 42)

2 units, 1 lecture hour, 3 lab hours, pass/no pass

This is a course in preparing and leading Agriculture and Natural Resources (AGNR) outreach projects. Students will learn the principles behind outreach activities that are used with K-12 students to educate and excite them about AGNR subjects and opportunities. Students will also lead these activities and work together to design new activities. (A, CSU)

11 SKILLS (FORMERLY AGNR 48)

1 unit, 3 lab hours, pass/no pass

Development of occupational skills not normally provided for in other Agricultural, Natural Resources, and Manufacturing classes. Skills may include but not limited to livestock, manufacturing, forestry, horticultural, or power mechanics, and career development training related to these areas. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, AGRICULTURE (FORMERLY AG 19V)

1-8 units

This course is designed to provide ongoing support for students while they are engaged in supervised employment, directly related to their major. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

AGRICULTURE EDUCATION (AGED)

50 AGRICULTURE EDUCATION ORIENTATION

3 units, 2 lecture hours, 3 lab hours

This course is an overview of agricultural education in California, including the principle components of agricultural education, developing academic and career plans, and observation in a secondary agricultural education classroom. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in K-12 classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Students need to do their observation in a classroom that is in line with their degree plans. Single subject agriculture credential require that candidates observe in subject area at high school or junior high. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

AMERICAN INDIAN STUDIES (AMIND)

31 AMERICAN INDIAN CULTURE

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

The Native Nations of North American (American Indians) from antiquity to the present. An interdisciplinary approach to examining pre- and post settler-colonial American Indian societies and cultures. Studying the effects of invasion and colonization with an emphasis on self-preservation and maintaining tribal sovereignty. This course analyzes the racialization of American Indians, eurocentrism, relationship to place, forced assimilation, intergenerational trauma, Indigenous cosmology and ceremony, social justice, and selfdetermination (A, CSU-GE, UC)

32 AMERICAN INDIAN HISTORY

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

This course covers the history of the American Indian nations from antiquity to the mid-20th century, with an emphasis on pre-Columbian life, the European invading nations, and federal-Indian relations in the United States. (A, CSU-GE, UC, I)

AMERICAN SIGN LANGUAGE (ASL)

1 BEGINNING AMERICAN SIGN LANGUAGE

4 units, 4 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

American Sign Language 1 is a beginning course in everyday communication with the Deaf community. This course provides an introduction to vocabulary, idioms, grammar, the culture of the deaf community, and appropriate behavior for social interaction with the deaf. The course is designed for students who have no knowledge of ASL and uses only the target language in class. (A, CSU-GE,UC, I)

2 HIGH-BEGINNING AMERICAN SIGN LANGUAGE

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: American Sign Language 1 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 2 is a high-beginning course in American Sign Language. Students are expected to enter with proficiency in ASL-1. This course will build upon prior knowledge of ASL for communication purposes with members of the Deaf community. This course will examine vocabulary, morphology, and syntax used in the everyday language of the Deaf community. This class is taught in the target language, American Sign Language. (A, CSU-GE, UC, I)

3 INTERMEDIATE AMERICAN SIGN LANGUAGE

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: American Sign Language 2 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 3 is a third level course in everyday communication with the Deaf community. This course will review basic grammatical structures and further develop signing skills and continue to expand vocabulary. This course requires an increased reliance on signing in the study of the culture of the Deaf community and uses only the target language in class. (A, CSU-GE, UC, I)

4 HIGH-INTERMEDIATE AMERICAN SIGN LANGUAGE

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: American Sign Language 3 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 4 is a fourth level course in everyday communication with the deaf and hard of hearing community. This course furthers development of proficiency of morphology and grammar usage and increased reliance on signing in the continued exploration of current topics of relevance to the culture of the Deaf community. This course uses only the target language in class. (A, CSU-GE, UC, I)

5 DEAF CULTURE

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course will explore various aspects of Deaf Culture and the Deaf Community. Students will critically discuss, analyze, and demonstrate understanding about the cultural values, traditions, rules of interaction, language, identity, and history of the Deaf Community. Students will develop understanding about working in professions with Deaf members of the community and the technological advances which support members of the Deaf Community. ASL proficiency not required for this course. (A, CSU-GE, UC, I)

6 STRUCTURE OF AMERICAN SIGN LANGUAGE

3 units, 3 lecture hours

PREREQUISITES: American Sign Language 2 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

This course analyzes and explores basic phonology, morphology, syntax, semantics, variation, and historical change of ASL. The course will be taught in ASL. (A, CSU, UC)

10 FINGERSPELLING, NUMBERS, AND CLASSIFIERS

3 units, 3 lecture hours

PREREQUISITES: American Sign Language 2.

This course will look at fingerspelling, numbers, and classifiers in various contexts and social situations. The course will support fluency using only American Sign Language. (A, CSU)

20 INTRODUCTION TO INTERPRETING

3 units, 3 lecture hours

PREREQUISITES: American Sign Language 2. ADVISORIES: English 1A or 1AH.

An introductory course on the role of American Sign Language Interpreters working with Deaf community members. Students will analyze the communication process, responsibilities and environments to which Sign Language Interpreters are exposed. Students will develop basic understanding of the licensure and assessment processes within the profession. Students will explore the ethical scenarios and professional encounters of the American Sign Language business. This course will examine the Code of Professional Conduct (CPC) and how to apply it to specific job situations. (A, CSU)

24 SIGN LANGUAGE INTERPRETING LEVEL 1

3 units, 3 lecture hours

PREREQUISITES: American Sign Language 3. ADVISORIES: English 1A or 1AH.

This sign language interpreting course will develop students understanding and abilities to analyze and critically think about specific messages being conveyed from English to ASL and ASL to English. Students will analyze mock interpreting scenarios in a variety of contexts utilizing English to ASL and ASL to English cognitive and linguistic processes. This class will use both spoken English and American Sign Language. (A, CSU)

26 AMERICAN SIGN LANGUAGE INTERPRETING IN EDUCATIONAL SETTINGS

3 units, 3 lecture hours

PREREQUISITES: American Sign Language 3 or 20. ADVISORIES: English 1A or 1AH.

This course gives students the opportunity to develop an in-depth understanding of the field of educational interpreting. Students will learn about educational interpreting standards according to the Educational Interpreting Performance Assessment (EIPA). Students will also possess the receptive and expressive skills necessary to interpret effectively in educational settings. This course will analyze content across various disciplines of education to support the development of linguistic skills to interpret at a comprehensible level. Students will gain a deeper understanding of educational interpreting to prepare to take the EIPA. (A, CSU)

301 BEGINNING AMERICAN SIGN LANGUAGE

0 units, 4 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

American Sign Language 301 is a beginning course in everyday communication with the Deaf community. This course provides an introduction to vocabulary, idioms, grammar, the culture of the deaf community, and appropriate behavior for social interaction with the deaf. The course is designed for students who have no knowledge of ASL and uses only the target language in class. This course is intended for parents of deaf and hard of hearing children.

302 HIGH-BEGINNING AMERICAN SIGN LANGUAGE

0 units, 4 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 1, 301 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 302 is a high-beginning course in American Sign Language. Students are expected to enter with proficiency in ASL-1. This course will build upon prior knowledge of ASL for communication purposes with members of the Deaf community. This course will examine vocabulary, morphology, and syntax used in the everyday language of the Deaf community. This class is taught in the target language, American Sign Language. This course is intended for parents of deaf and hard of hearing children.

303 INTERMEDIATE AMERICAN SIGN LANGUAGE

0 units, 4 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 2, 302, or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 303 is a third-level course in everyday communication with the Deaf community. This course will review basic grammatical structures and further develop signing skills and continue to expand vocabulary. This course requires an increased reliance on signing in the study of the culture of the Deaf community and uses only the target language in class. This course is intended for parents of deaf and hard of hearing children.

304 HIGH-INTERMEDIATE AMERICAN SIGN LANGUAGE

0 units, 4 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 3 or 303 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

American Sign Language 304 is a fourth-level course in everyday communication with the deaf and hard of hearing community. This course furthers development of proficiency of morphology and grammar usage and increased reliance on signing in the continued exploration of current topics of relevance to the culture of the Deaf community. This course uses only the target language in class. This course is intended for parents of deaf and hard of hearing children.

305 DEAF CULTURE

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course will explore various aspects of Deaf Culture and the Deaf Community. Students will critically discuss, analyze, and demonstrate understanding about the cultural values, traditions, rules of interaction, language, identity, and history of the Deaf Community. Students will develop understanding about working in professions with Deaf members of the community and the technological advances which support members of the Deaf Community. ASL proficiency not required for this course. This course is intended for parents of deaf and hard of hearing children.

306 STRUCTURE OF AMERICAN SIGN LANGUAGE

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 2 or 302 or equivalent skills as determined by an instructor of American Sign Language. ADVISORIES: English 1A or 1AH.

This course analyzes and explores basic phonology, morphology, syntax, semantics, variation, and historical change of ASL. The course will be taught in ASL. This course is intended for parents of deaf and hard of hearing children.

310 FINGERSPELLING, NUMBERS, AND CLASSIFIERS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 2 or 302.

This course will look at fingerspelling, numbers, and classifiers in various contexts and social situations. The course will support fluency using only American Sign Language. This course is intended for parents of deaf and hard of hearing children.

320 INTRODUCTION TO INTERPRETING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 2 or 302. ADVISORIES: English 1A or 1AH.

An introductory course on the role of American Sign Language Interpreters working with Deaf community members. Students will analyze the communication process, responsibilities and environments to which Sign Language Interpreters are exposed. Students will develop basic understanding of the licensure and assessment processes within the profession. Students will explore the ethical scenarios and professional encounters of the American Sign Language business. This course will examine the Code of Professional Conduct (CPC) and how to apply it to specific job situations.

324 SIGN LANGUAGE INTERPRETING LEVEL 1

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 3 or 303and 20 or 320. ADVISORIES: English 1A or 1AH.

This sign language interpreting course will develop students understanding and abilities to analyze and critically think about specific messages being conveyed from English to ASL and ASL to English. Students will analyze mock interpreting scenarios in a variety of contexts utilizing English to ASL and ASL to English cognitive and linguistic processes. This class will use both spoken English and American Sign Language.

326 AMERICAN SIGN LANGUAGE INTERPRETING IN EDUCATIONAL SETTINGS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: American Sign Language 3 or 20 or 303 or 320. ADVISORIES: English 1A or 1AH.

This course gives students the opportunity to develop an in-depth understanding of the field of educational interpreting. Students will learn about educational interpreting standards according to the Educational Interpreting Performance Assessment (EIPA). Students will also possess the receptive and expressive skills necessary to interpret effectively in educational settings. This course will analyze content across various disciplines of education to support the development of linguistic skills to interpret at a comprehensible level. Students will gain a deeper understanding of educational interpreting to prepare to take the EIPA.

ANIMAL SCIENCE (AS)

1 INTRODUCTION TO ANIMAL SCIENCE

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course is a survey of the livestock industry, the supply of animal products and their uses, with a special emphasis on the origin, characteristics, adaptation, and contributions of farm animals to the agriculture industry. This course will analyze the economic trends and career opportunities in animal agriculture. (A, CSU, UC) (C-ID AG-AS 104)

2 BEEF PRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is a study of the principles and practices of purebred and commercial beef cattle production throughout the world. Emphasis to be placed on the importance of breeds, breeding principles, selection, nutrition, environmental management, health, marketing and recordkeeping to ensure scientifically-based management decisions and consumer product acceptance as applied to beef cattle. (A, CSU, UC)

3 SMALL RUMINANT PRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is a survey of the sheep and goat industries including management of commercial, purebred and small farm flocks; selecting, feeding, breeding, basic care, and marketing of small ruminant species. (A, CSU, UC)

4 SWINE PRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is a study of the principles and practices of purebred and commercial pork production throughout California, the United States and the world. Emphasis to be placed on the importance of breeds, breeding principles, selection, nutrition, environmental management, health, marketing and record keeping to ensure scientifically-based management decisions and consumer product acceptance. (A, CSU, UC) (C-ID AG-AS 128L)

5 ANIMAL NUTRITION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers the fundamental anatomy and physiology of digestion and absorption in both ruminant and non-ruminant species of livestock. Emphasis is placed on the role of nutrients in maximizing animal health and performance, the nutritive analysis of various common feedstuffs, and the formulation of balanced rations for cattle, sheep, swine, horses and poultry. (A, CSU)

6 LIVESTOCK SELECTION AND EVALUATION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course involves a detailed analysis of various visual and physical methods of appraising beef, sheep, swine and horses concerning functional and economic value. Written and oral summaries of evaluation will be learned. Specific reference will be made to performance data and factors determining carcass value. (A, CSU, UC)

10 MEAT EVALUATION AND PROCESSING

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an introduction to the meat industry with a special emphasis on meat products and value added meat processing techniques. It includes concepts of food safety and sanitation, grading and inspection along with preservation and marketing strategies to meet current consumer demands. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, AGRICULTURE-ANIMAL SCIENCE

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment

ADVISORIES: English 1A or 1AH.

This course is designed to provide ongoing support for Animal Science students while they are engaged in supervised employment, directly related to the Animal Science major. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

21 EQUINE SCIENCE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is a survey of the equine industry, encompassing the evolution and role of the equine species throughout history, breed selection and development, nutrition, diseases, preventative health, reproductive management, basic horse care, and stabling alternatives. (A, CSU, UC) (C-ID AS 116L)

22 EQUINE REPRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course combines the study of basic genetic principles with the study of the anatomical and physiological aspects of reproduction as they relate to equine reproduction. Artificial insemination, embryo manipulation, and current innovations in reproductive biotechnology will also be examined. (A, CSU, UC)

23 INTRODUCTORY FARRIER SCIENCE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course covers fundamental horseshoeing principles and practices, basic anatomy and physiology of the horse's limbs and feet, horseshoeing terminology, and guidelines for assessing a proper horseshoeing job. The examination of treatment and prevention of common lameness problems are also included. (A, CSU)

24 EQUITATION

2 units, 1 lecture hour, 3 lab hours, pass/no pass, 3 repeats

ADVISORIES: English 1A or 1AH.

This course includes the fundamentals of horsemanship, equestrian theory, riding practice, equipment, terminology, basic care, safety around horses, and horse handling with an emphasis on riding skills to develop the horse and rider as a unit. This course will require student participation in intercollegiate horse show competition and may be repeated 3 times. (A, CSU)

25 BASIC EQUINE HANDLING

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is an introduction to the fundamentals of horse handling, with an emphasis on safety. This course covers identification of equine behavioral patterns, handling skills such as catching, haltering, tying, lunging, round-pen training, and recognizing how human/horse interactions affect equine behavior. (A, CSU, UC)

26 WESTERN RIDING & HORSEMANSHIP

2 units, 1 lecture hour, 3 lab hours, pass/no pass, 3 repeats.

ADVISORIES: English 1A or 1AH.

An introduction to western riding, saddling, grooming and bridling. Students will acquire the basic knowledge of equipment and safety procedures. Course topics will include use of riding aids and transitions pertaining to western disciplines. This course will require student participation in intercollegiate horse show competition and may be repeated 3 times. (A, CSU, UC)

27 INTRODUCTION TO HORSE TRAINING

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to train students for occupations in the equine industry. Students learn how to safely handle and train young horses in a hands-on laboratory setting. The course includes trailering, starting young horses, advancing the green horse, retraining or tuning up older horses, and problem solving utilizing critical thinking skills. (A, CSU)

40 LIVESTOCK EXHIBITION AND MARKETING

2 units, 1 lecture hour, 3 lab hours, 3 repeats

ADVISORIES: English 1A or 1AH.

This course covers the subject of shows and sales as applied to various species of livestock. Emphasis will be placed on animal handling techniques, grooming and fitting of livestock, showmanship skill development, animal health management, show and sale rules and entry procedures, and marketing of animals. Students will be required to participate in an intercollegiate livestock show competition and at least one marketing event. This course may be repeated 3 times. (A, CSU)

67 ANIMALS AND SOCIETY

3 units, 3 lecture hours, pass/no pass

ADVISORY: English 1A or 1AH.

Significance of animals in our society. Philosophical, ethical, and scientific investigation of the human/animal bond and the significance of animals in our society. Importance of animals in wellness, rehabilitation/convalescence, and stress management. Interdisciplinary investigation of controversies in animal research and human disease. (A, CSU, UC)

323 INTRODUCTORY FARRIER SCIENCE

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

This course covers fundamental horseshoeing principles and practices, basic anatomy and physiology of the horse's limbs and feet, horseshoeing terminology, and guidelines for assessing a proper horseshoeing job. The examination of treatment and prevention of common lameness problems are also included.

ANTHROPOLOGY (ANTHRO)

1 BIOLOGICAL ANTHROPOLOGY

3 units, 3 lecture hours, pass/no pass

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and application to the human species. Topics and issues to be addressed may include, but are not limited to: genetics; evolutionary theory; human variation and biocultural adaptations; comparative primate anatomy and behavior; and the fossil evidence for human evolution. The scientific method serves as foundation of inquiry for this course. (A, CSU-GE, UC, I)

2 CULTURAL ANTHROPOLOGY

3 units, 3 lecture hours, pass/no pass

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, including: subsistence patterns; social, political, and economic organization; patterns of communication and creative expression; familial and kinship relations; belief systems; gender, racial and ethnic identity labels; the developmental influence of social inequality; and internal culture change resulting from external forces. Ethnographic case studies and professional anthropological research ethics are employed to introduce students to the tools used to understand humans around the globe. (A, CSU-GE, UC, I)

3 INTRODUCTION TO ARCHAEOLOGY AND PREHISTORY

3 units, 3 lecture hours, pass/no pass

This course is a broad survey of the physical and cultural evolution of humanity from the first use of stone tools to the rise of civilization as understood through the archaeological record. The course includes a discussion of the history, methods, and interdisciplinary nature of archaeological research. (A, CSU-GE, UC, I)

ART (ART)

2 INTRODUCTION TO VISUAL CULTURE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

Lecture course to learn the cultural significance of the arts. Instruction will cover media and movements. Students will also learn the elements and principles of design to understand the visual language of the arts and the methods used by artists to communicate ideas to the public. Course also emphasizes the multicultural visual dialogue that occurs throughout the different communities in the world. (A, CSU-GE, UC, I)

3 TWO-DIMENSIONAL DESIGN

3 units, 2 lecture hours, 4 lab hours, pass/no pass

This course provides an introduction to the elements and principles of 2-dimensional design. Students create design projects with beginning level instruction in drawing, painting, collage, and mixed-media. (A, CSU, UC) (C-ID ARTS 100)

4 THREE-DIMENSIONAL DESIGN

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course will be a study of the formal elements and principles of design in the visual language of three-dimensional art. The course will include the theory and the practice of these elements as they apply to three-dimensional space and form. The projects in this class will incorporate a variety media and building methods. (A, CSU, UC) (C-ID ARTS 101)

5 ART HISTORY 1

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the history of cultural production and visual aesthetics including two and three dimensional art and architecture from Prehistory through the Gothic Period. (A, CSU-GE, UC, I) (C-ID ARTH 110)

6 ART HISTORY 2

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the history of cultural production and visual aesthetics including two and three dimensional art and architecture from the early renaissance through the end of the twentieth century. (A, CSU-GE, UC, I) (C-ID ARTH 120)

6H HONORS ART HISTORY 2

3 units, 3 lecture hours

PREREQUISITES: Enrollment in Honors Program. ADVISORIES: Eligibility for English 1A.

This course examines the history of cultural production and visual aesthetics including two and three dimensional art and architecture from the early renaissance through the end of the twentieth century. As an honors section, the class will be conducted as a seminar with an emphasis on student projects. (A, CSU-GE, UC, I) (C-ID ARTH 120)

7 BEGINNING DRAWING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course will focus on developing basic skills in objective, representational, freehand drawing in various two-dimensional media. Through lecture and studio practice, students will explore representational, abstract, non-objective, and conceptual approaches to drawing. This course will also introduce the visual language of drawing, composition (the elements and principles of design), historical and contemporary rendering techniques and drawing as creative personal expression. Fundamentals of figurative, representational drawing from a live nude model will be emphasized. (A, CSU, UC) (C-ID ARTS 110)

9 BEGINNING PAINTING: OIL AND ACRYLIC

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This course is an exploration of the creative act of painting using representational, abstract and non-objective forms. Emphasis is placed on the fundamentals of composition and the ability to handle materials. Students will learn basic color theory, value, line, shape, texture and techniques including direct paint application, glazing, brush strokes and impasto. Issues concerning canvas stretching, brush cleaning, mixing glazes and toxicity are addressed. Through lecture and studio practice, students gain introductory skills in painting within the context of an historical perspective. (A, CSU, UC) (C-ID ARTS 210)

10 BEGINNING WHEEL THROWING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This class will be an introduction to ceramic arts with an emphasis on the vessel. Through lecture, demonstrations and practical application, students will explore the forms, and techniques of ceramic art throughout ceramic art history. Students will learn to create pottery from the potter's wheel and from a variety of hand-building techniques. Students will be introduced to all aspects of the ceramic process including clay forming, glazing and firing. (A, CSU-GE, UC)

13 BEGINNING WATERCOLOR PAINTING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

In this class, students will develop beginning level skills in watercolor painting. Through lecture and studio practice, students learn representational, abstract, non-objective, and conceptual approaches/techniques to painting. Traditional and experimental techniques are explored. (A, CSU, UC) (C-ID ARTS 210)

15 CERAMIC SCULPTURE

3 units, 2 lecture hours, 4 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will be an introduction to ceramic sculpture. Students will create clay sculptures using a variety of hand building techniques such as slab, coil and pinch. Students will experience the entire process of creating ceramic sculptures, starting with the building in wet clay, to glazing their sculptures and finally the firing of their ceramic art. (A, CSU, UC)

17 INTERMEDIATE DRAWING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 7.

This course is an exploration of the creative act of drawing using representational, abstract, non-objective and conceptual forms. Students will build upon skills learned in beginning drawing and create a cohesive body of work. Historical and contemporary drawing techniques as well as drawing as a form of creative personal expression are integrated into course content. (A, CSU, UC) (C-ID ARTS 205)

19 INTERMEDIATE PAINTING: OIL/ACRYLIC

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: Art 9 or demonstration of comparable skill level to be determined by testing and/or portfolio of past oil/acrylic painting works. Eligibility for Mathematics 201.

This course is an exploration of the creative act of painting using representational, abstract, and non-objective forms. Students will build upon skills learned in beginning painting and create a cohesive body of work. Historical and contemporary approaches to oil and acrylic media are integrated into course content. (A, CSU, UC)

20 INTERMEDIATE CERAMICS

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITE: Art 10. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This class will focus on strengthening and extending the basic skills of pottery making with wheel throwing and hand building techniques. Through lecture, demonstration, and guided practice, students will be introduced to creating larger and more complex forms in clay as well as refinement of pottery forms, decorative treatments and glaze techniques. Aesthetics and individual creativity will be encouraged in the assignments and explored through historical and cultural settings. (A, CSU, UC)

23 INTERMEDIATE WATERCOLOR PAINTING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITE: ART 13. ADVISORIES: English 1A or 1AH.

Emphasis is on developing intermediate level painting skills in watercolor. Through guided studio practice, lecture, research and critique, students learn to use the elements and principles of design (in composing paintings) with more complexity than the novice. Specific instruction in planning/executing paintings with color schemes; various types of balance; rendering techniques; using mixed-media; and creating paintings with representational, abstract, non-objective, and conceptual approaches. (A, CSU, UC)

26 SURVEY OF NON-WESTERN ART

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course is a survey of art outside the western European tradition, focusing on the major artistic traditions of Africa, Oceania, Indigenous North America, and the Pre-Columbian Americas, from ancient times up to the impact of European contact. The course will focus on the role of the visual arts in non-western cultural perspectives, including discussion of sacred ritual, social and cultural constructs, materials, and artistic creation. Emphasis will be placed on the recognition of works from major civilizations, their artistic traditions, and what can be revealed about the cultures and peoples who created them from historical and cultural viewpoints. Course content will include the availability of a trip to a internationally recognized art venue. (A, CSU-GE, UC, I)

36A INTERMEDIATE WHEEL THROWING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 10. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will focus on intermediate-level throwing on the potter's wheel. Students will explore the use of the potters wheel as a means of producing utilitarian as well as non utilitarian forms. Course areas of study will focus on vessels and forms made on the wheel, clays and their materials attributes as they relate to construction and glaze formulation. (A, CSU, UC)

38A INTERMEDIATE HAND-BUILDING

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Art 15. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will focus on intermediate-level hand building of ceramic art. The techniques of coil, slab, and other hand construction methods will be explored, refined and developed to reflect an intermediate level comprehension of the material. Course work will center around sculptural projects that engage elements of design as well as content and material exploration. (A, CSU, UC)

43 INDEPENDENT PROJECTS STUDIO

2-3 units, pass/no pass
2 units, 1 lecture hour, 3-4 lab hours
3 units, 2 lecture hours, 3-4 lab hours

PREREQUISITES: Art 7 or 9 or 10 or 13 or 15.

This course involves the production of individual work under supervision of instructor in a specialized area. It may include ceramics, commercial art, digital imaging, drawing, design, sculpture, printmaking, painting or photography. During the first week of the semester, student enrolling must present an appropriate project based upon skills learned in other art courses. (A, CSU)

307 BEGINNING DRAWING

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course will focus on developing basic skills in objective, representational, freehand drawing in various two-dimensional media. Through lecture and studio practice, students will explore representational, abstract, non-objective, and conceptual approaches to drawing. This course will also introduce the visual language of drawing, composition (the elements and principles of design), historical and contemporary rendering techniques and drawing as creative personal expression. Fundamentals of representationally figurative drawing (referencing either live nude model or 2D photo reference) will be emphasized. This course is intended for older adults to enhance and maintain creative expression through art.

309 BEGINNING PAINTING: OIL AND ACRYLIC

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Eligibility for Mathematics 201.

This course is an exploration of the creative act of painting using representational, abstract and non-objective forms. Emphasis is placed on the fundamentals of composition and the ability to handle materials. Students will learn basic color theory, value, line, shape, texture and techniques including direct paint application, glazing, brush strokes and impasto. Issues concerning canvas stretching, brush cleaning, mixing glazes and toxicity are addressed. Through lecture and studio practice, students gain introductory skills in,painting within the context of an historical perspective. This course is intended for older adults to enhance and maintain creative expression through art.

317 INTERMEDIATE DRAWING

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Art 307.

This course is an exploration of the creative act of drawing using representational, abstract, non-objective and conceptual forms. Students will build upon skills learned in beginning drawing and create a cohesive body of work. Historical and contemporary drawing techniques as well as drawing as a form of creative personal expression are integrated into course content. This course is intended for older adults to enhance and maintain creative expression through art.

319 INTERMEDIATE PAINTING: OIL/ACRYLIC

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Art 309 or demonstration of comparable skill level to be determined by testing and/or portfolio of past oil/acrylic painting works, eligibility for Mathematics 201.

This course is an exploration of the creative act of painting using representational, abstract, and non-objective forms. Students will build upon skills learned in beginning painting and create a cohesive body of work. Historical and contemporary approaches to oil and acrylic media are integrated into course content. This course is intended for older adults to enhance and maintain creative expression through art.

336A INTERMEDIATE WHEEL THROWING

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Art 10, Mathematics 45, and English 1A or 1AH.

This course will focus on intermediate-level throwing on the potter's wheel. Students will explore the use of the potters wheel as a means of producing utilitarian as well as non utilitarian forms. Course areas of study will focus on vessels and forms made on the wheel, clays and their materials attributes as they relate to construction and glaze formulation. This course is intended for older adults to enhance and maintain creative expression through art.

338A INTERMEDIATE HAND-BUILDING

0 units, 2 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Art 15, Mathematics 45 and English 1A or 1AH.

This course will focus on intermediate-level hand building of ceramic art. The techniques of coil, slab, and other hand construction methods will be explored, refined and developed to reflect an intermediate level comprehension of the material. Course work will center around sculptural projects that engage elements of design as well as content and material exploration. This course is intended for older adults to enhance and maintain creative expression through art.

ASIAN-AMERICAN STUDIES (ASAMER)

15 INTRODUCTION TO ASIAN-AMERICANS

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

This course covers historical and cultural background of major Asian groups that have immigrated into the United States; including Chinese, Japanese, Filipinos, and Southeast Asians. It also examines cultural identity, assimilation, interracial relationships, family influences, discrimination,and generational conflict. (A, CSU, UC)

ASTRONOMY (ASTRO)

10 INTRODUCTION TO ASTRONOMY (FORMERLY SCI 3)

4 units, 3 lecture hours, 2 lab hours

ADVISORIES: Mathematics 103 and English 1A or 1AH.

This course covers the topics of planets, solar system mechanics, stellar evolution and basic cosmology. (A, CSU-GE, UC, I)

AUTOMOTIVE TECHNOLOGY (AUTOT)

9 AUTOMOTIVE ESSENTIALS

3 units, 3 lecture hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an overview of the automobile and its basic components. General servicing procedures and basic troubleshooting are included for anyone needing an introduction to the operating principles of the automobile. (A, CSU)

10 AUTOMOTIVE TECHNICIAN PROGRAM

16 units, 9 lecture hours, 21 lab hours

PREREQUISITE: Automotive Technology 9. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course, Automotive Technology-10, in concert with Automotive Technology-11, will prepare the student with the knowledge and skills to perform diagnosis and repair of various automotive components and enter the automotive service industry at the advanced apprentice level. Subjects include: safety, ethics, regulations, engine repair, manual transmissions, clutches, automatic transmission, and chassis electrical systems. Most tools and equipment are provided; however, the student is expected to furnish a Digital Volt Ohm Meter (DVOM) and personal safety items. (A, CSU)

11 AUTOMOTIVE TECHNICIAN PROGRAM

16 units, 9 lecture hours, 21 lab hours

PREREQUISITES: Automotive Technology 9. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course, Automotive Technology-11, in concert with Automotive Technology -10, will prepare the student with the knowledge and skills to perform diagnosis and repair of various automotive components and enter the automotive service industry at the advanced apprentice level. Subjects include: safety, ethics, regulations, brakes, suspension and steering, differentials, axles, engine electrical and electronic systems, engine performance and emissions, air conditioning and heating, and Bureau of Automotive Repair (BAR) emissions (smog), brake and lamp license preparation. Most tools and equipment are provided, however the student is expected to furnish Digital Volt Ohm Meter (DVOM), Vacuum gauge, and personal safety items. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, AUTOMOTIVE TECHNICIAN

1-8 units, pass/no pass

PREREQUISITES: Automotive Technology 9 and 10. COREQUISITES: Automotive Technology 11.

This course is supervised employment, directly related to student's major of automotive technology. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units in one enrollment period. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

112 AUTOMOTIVE STEERING AND SUSPENSION

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Automotive Technology 9 or 309 or 1 year industry experience or 1 year high school automotive coursework. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover the identification and diagnosis of steering and suspension components. The lab will provide hands-on experience and skills that automotive chassis technicians need to succeed, in the automotive industry. (A)

113 AUTOMOTIVE BRAKE SYSTEMS

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Automotive Technology 9 or 309 or 1 year industry experience or 1 year high school automotive coursework. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover the diagnosis and repair of automotive brake systems. (A)

114 ENGINE AND EMISSION CONTROL FUNDAMENTALS

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Automotive Technology 10 and 11. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is designed to prepare the students for the Bureau of Automotive Repair Smog Check Licensing Exam. Level 1 Training provides students with the basic knowledge of engine and emission controls needed to move forward with Level 2 Smog Check Procedures Training. Smog check rules and regulations are covered in detail. This course provides an introduction to Smog Check Program inspection procedures and policies mandated by the Bureau of Automotive Repair. (A)

115 SMOG CHECK PROCEDURES TRAINING LEVEL 2

2.5 units, 2 lecture hours, 2 lab hours

PREREQUISITES: Automotive Technology 10, 11, and 114. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides students with the procedural knowledge, skills, and abilities needed to perform Smog Check inspections. Students who complete and pass this course will have met the California Bureau of Automotive Repair training requirements to qualify to take the Smog Check Inspector state licensing examination. (A)

116 INTRODUCTION TO HYBRID & ELECTRIC PROPULSION VEHICLES

4 units, 3 lecture hours, 4 lab hours

PREREQUISITES: Automotive Technology 9, 10, and 11. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an introduction to safety, operational theory, maintenance, and other service requirements for gasoline-electric hybrid and electric propulsion vehicles. During this course specific safety requirements in regards to hybrid and electric propulsion vehicles will be stressed. (A)

309 AUTOMOTIVE ESSENTIALS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

This course is an overview of the automobile and its basic components. General servicing procedures and basic troubleshooting are included for anyone needing an introduction to the operating principles of the automobile.

312 AUTOMOTIVE STEERING AND SUSPENSION

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Automotive Technology 9 or 309 or 1 year industry experience or 1 year high school automotive coursework. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover the identification and diagnosis of steering and suspension components. The lab will provide hands-on experience and skills that automotive chassis technicians need to succeed, in the automotive industry.

313 AUTOMOTIVE BRAKE SYSTEMS

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Automotive Technology 9 or 309 or 1 year industry experience or 1 year high school automotive coursework. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover the diagnosis and repair of automotive brake systems.

314 ENGINE AND EMISSION CONTROL FUNDAMENTALS

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Automotive Technology 10 and 11. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is designed to prepare the students for the Bureau of Automotive Repair Smog Check Licensing Exam. Level 1 Training provides students with the basic knowledge of engine and emission controls needed to move forward with Level 2 Smog Check Procedures Training. Smog check rules and regulations are covered in detail. This course provides an introduction to Smog Check Program inspection procedures and policies mandated by the Bureau of Automotive Repair.

315 SMOG CHECK PROCEDURES TRAINING LEVEL 2

0 units, 2 lecture hours, 2 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Automotive Technology 10, 11, and 114 or 314. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides students with the procedural knowledge, skills, and abilities needed to perform Smog Check inspections. Students who complete and pass this course will have met the California Bureau of Automotive Repair training requirements to qualify to take the Smog Check Inspector state licensing examination.

AVIATION MAINTENANCE TECHNOLOGY (AMT)

10 AVIATION MAINTENANCE GENERAL A

6.5 units, 7 lecture hours, 7 lab hours

ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of general aviation maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: fundamentals of electricity and electronics; weight and balance; mathematics; physics for aviation; ground operations and servicing; and human factors. (A, CSU)

20 AVIATION MAINTENANCE GENERAL B

6.5 units, 7 lecture hours, 7 lab hours

ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of general aviation maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: regulations, maintenance forms, records, and publications; aircraft materials, hardware, and processes; aircraft drawings; fluid lines and fittings; cleaning and corrosion control; and inspection concepts and techniques. (A, CSU)

30 AVIATION MAINTENANCE AIRFRAME A

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: metallic structures, water and waste systems, airframe inspection, environmental systems, and aircraft fuel systems. (A, CSU)

40 AVIATION MAINTENANCE AIRFRAME B

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: non-metallic structures; flight controls, airframe fire protection systems, and rotorcraft fundamentals. (A, CSU)

50 AVIATION MAINTENANCE AIRFRAME C

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: landing gear systems, hydraulic and pneumatic systems, aircraft instrument systems, communication and navigation systems, aircraft electrical systems, and ice and rain control systems. (A, CSU)

51 SAFETY AND BASIC ELECTRICITY

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

This course provides familiarization with two skills and technical knowledge needed to perform maintenance on aircraft in the aviation maintenance industry. The topics covered include OSHA safety in a maintenance shop and risk management, plus basic electricity and electrical multimeter use. OSHA 10 General Industry Card and Snap-On Multimeter certification training is included in this course. (A, CSU)

60 AVIATION MAINTENANCE POWERPLANT A

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of powerplant maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: reciprocating engines, reciprocating engine inspection, reciprocating engine ignition and starting systems, and reciprocating engine induction and cooling systems. (A, CSU)

70 AVIATION MAINTENANCE POWERPLANT B

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of powerplant maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: turbine engines, engine inspection, ignition and starting systems, and turbine engine air systems. (A, CSU)

80 AVIATION MAINTENANCE POWERPLANT C

6.5 units, 7 lecture hours, 7 lab hours

PREREQUISITES: Aviation Maintenance Technology 10 and 20. ADVISORIES: English 1A or 1AH.

This course prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. The content of this course is a variety of powerplant maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered will include: engine instrument systems, engine fire protection systems, engine electrical systems, engine lubrication systems, engine fuel and fuel metering systems, engine exhaust and reverser systems, and propellers. (A, CSU)

201 AVIATION MAINTENANCE TECHNICIAN CERTIFICATION

1 unit, 3 lab hours, pass/no pass only

PREREQUISITE: Certificate of Achievement in Aviation Maintenance Technology.

This course completes the Federal Aviation Administration certification process for graduates of the Airframe and Powerplant technician curriculum. The student will be evaluated for readiness to take Written and Oral/Practical exams. Upon determination of readiness, the exams will be administered by Affiliated examiners of Reedley College Aviation Maintenance program.

AEROSPACE STUDIES (ASP)

The Aerospace courses listed are offered at California State University, Fresno, but credit is applicable at Reedley College toward the Associate Degree.

1A/B THE FOUNDATION OF THE U.S. AIR FORCE

1 unit-1 unit, (CSUF course)

An introductory course about the Air Force and ROTC. It will give you an overview of the mission and organization of the Air Force, officership and professionalism, military customs and courtesies, officer opportunities, and introduction to communication skills. (A, CSU)

2A/B THE EVOLUTION OF USAF AIR AND SPACE POWER

1 unit-1 unit, (CSUF course)

Designed to examine general aspects of air and space power through a historical perspective. The course covers from the first balloon flight to the space-age global positioning systems of the Gulf War. (A, CSU)

3 LEADERSHIP LABORATORY

1 unit-4 units, (CSUF course)

Must be taken each semester of the General Military Course (GMC). Cadets experiment with and develop their military and leadership skills and techniques. (A, CSU, UC)

BIOLOGY (BIOL)

2 ENVIRONMENTAL SCIENCE

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH and one course in High School Chemistry or High School Biology.

This introductory course examines the earth as an ecosystem composed of biological, chemical, and physical processes, with an emphasis on human impacts. Topics will include the structure and function of ecological systems, air and water pollution, pesticide use, waste disposal, climate change, natural resource use, and environment laws. Students will gain an understanding of how humans influence natural environments while focusing on sustainable practices. Basic chemical, physical, and geological processes will be introduced to better explain these topics throughout the course. Class field trips will be taken. (A, CSU-GE, UC, I)

5 HUMAN BIOLOGY

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is an introductory human biology course that examines science and societal issues. This course emphasizes the structure of the human body and the functional interrelationships of the body's systems: integument, circulatory, digestive, respiratory, urinary, skeletal, muscular, nervous, endocrine, reproductive, and genetics. (A, CSU-GE, UC, I)

10 INTRODUCTION TO LIFE SCIENCE LECTURE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This lecture course is recommended for the non-biological science and pre-education majors. This is an introductory course using biological concepts. The organismal structure, function, inheritance, evolution, and ecology are covered. Not open to students with credit in Biology 3. (A, CSU-GE, UC, I)

13 ENVIRONMENTAL SCIENCE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH and one course in High School Chemistry or High School Biology.

This introductory course examines the earth as an ecosystem composed of biological, chemical, and physical processes, with an emphasis on human impacts. Topics will include the structure and function of ecological systems, air and water pollution, pesticide use, waste disposal, climate change, natural resource use, and environment laws. Students will gain an understanding of how humans influence natural environments while focusing on sustainable practices. Basic chemical, physical, and geological processes will be introduced to better explain these topics throughout the course. Not open to students with credit in Biology 2. (A, CSU, UC)

13L ENVIRONMENTAL SCIENCE LAB

1 unit, 3 lab hours, pass/no pass

COREQUISITE: Biology 13. ADVISORIES: English 1A or 1AH and one course in High School Chemistry or High School Biology.

This is an introductory course using environmental concepts. Structure and function of ecological systems, air and water pollution, pesticide use, waste disposal, climate change, natural resource use, and environment laws are covered. Field trips may be required. Not open to students with credit in Biology 2. (A, CSU, UC)

10H HONORS INTRODUCTION TO LIFE SCIENCE LECTURE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This lecture course is recommended for the non-biological science and pre-education majors seeking honors natural science credit. In this introductory course a range of biological concepts will be examined; organismal structure, function, inheritance, evolution, and ecology are covered. Within this course honors level student directed research will be incorporated into the teaching curriculum. This course is not open to students with credit in Biology 3. (A, CSU-GE, UC, I)

10L INTRODUCTION TO LIFE SCIENCE LAB

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Biology 10 or 10H. ADVISORIES: English 1A or 1AH.

This lab course is recommended for the non-biological science and pre-education majors. This is an introductory laboratory course using biological concepts. The organismal structure, function, inheritance, evolution, and ecology are covered in this course. Field trips may be required. This course is not open to students with credit for Biology 3. (A, CSU-GE, UC, I)

11A BIOLOGY FOR SCIENCE MAJORS I

5 units, 4 lecture hours, 3 lab hours

PREREQUISITES: Chemistry 1A and Mathematics 103 or 3A or 5A or equivalent. ADVISORIES: English 1A or 1AH, Biology 10 & 10L or high school Biology.

In the first course of a two semester sequence of general biology for science majors, students will study the chemistry of life, cellular structure, cellular metabolism- including photosynthesis, aerobic and anaerobic respiration, cellular communication, cellular division and its regulation, Mendelian genetics, biotechnology, and evolution. This course is intended for Science Majors and pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I) (C-ID BIOL 190) (C-ID BIOL 135S BIOL 11A + BIOL 11B)

11B BIOLOGY FOR SCIENCE MAJORS II

5 units, 3 lecture hours, 6 lab hours

PREREQUISITES: Biology 11A and Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

This course is the second course of a two-semester sequence of general biology for science majors. Students will study the origins of life, the evolutionary history of biodiversity, plant form and function, animal form and function, and ecology. This course is intended for science majors and pre-medical, pre-veterinarian, pre-dental, pre-optometry, and pre-pharmacy majors. (A, CSU-GE, UC, I) (C-ID BIOL 140) (C-ID 135S BIOL 11A + BIOL 11B)

20 HUMAN ANATOMY

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Biology 1 or 5 or 11A. ADVISORIES: English 1A or 1AH and Mathematics 11 or 45.

This is a course providing a basic understanding and working knowledge of the human body with emphasis on the structure of each major system. The interrelationship between human systems and the relationships between the structure and functions of each system will be studied at several levels: cellular, tissue, organ, system, and organismal. (A, CSU-GE, UC, I) (C-ID BIOL 110B)

22 HUMAN PHYSIOLOGY

5 units, 4 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Biology 20 and Chemistry 1A or 3A.

This course provides a basic understanding and working knowledge of the human body with emphasis on the functions of each major system. The interrelationship between human systems and the relationship between structure and function of each system will be studied at several levels (biochemical, cellular, organ levels). (A, CSU-GE, UC, I) (C-ID BIOL 120B)

31 MICROBIOLOGY

5 units, 3 lecture hours, 6 lab hours

PREREQUISITES: Biology 1 or 5 or 11A and Chemistry 1A or 3A. ADVISORIES: English 1A or 1AH.

This course provides an introduction to the structure, metabolism and ecology of microorganisms with special emphasis on microbe-related human diseases. This course is designed to introduce the student to a variety of topics in the area of microbiology. The text, lab manuals, and lectures are geared to students in biological, medical, physical education and health-oriented programs. (A, CSU-GE, UC, I)

272 ASSISTANCE IN BIOLOGY

1 unit, 3 lab hours, pass/no pass only

This course is intended for students enrolled in a biology course who would like assistance with biological concepts. Students receive assistance in biological concepts, critical thinking, and study techniques. Students develop their understanding of biological topics and improve their overall ability to reason scientifically through guided practice in a lab setting.

BUSINESS ADMINISTRATION (BA)

5 BUSINESS COMMUNICATIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

This course teaches students to prepare business letters, reports, memos, and oral presentations used in a business environment. Emphasis is placed on document organization, using correct grammar, writing to the desired audience, and creating appropriate tone. (A, CSU)

10 INTRODUCTION TO BUSINESS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This is a survey in business course 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. This course examines how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management and organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting and financial practices; the stock and securities market; and therefore, affect a business' ability to achieve its organizational goals. (A, CSU, UC) (C-ID BUS 110)

12 INTRODUCTION TO HOSPITALITY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This course provides an introduction to many facets of the hospitality industry including lodging, food service, travel and tourism. The history, growth and development, current trends and organizational structure of the industry are explored with a focus on employment opportunities. (A, CSU)

15 INTRODUCTION TO MANAGEMENT

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an introduction to the primary management functions, including strategic and tactical planning, decision-making, organizational design and systems, leadership, motivation and communication, and internal control systems. (A, CSU)

18 BUSINESS LAW AND THE LEGAL ENVIRONMENT

4 units, 4 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

The Business Law course will cover the following topical areas: sources of law, ethics in law, criminal law, tort law, contract law, agency, business structures, judicial and administrative processes, international law and domestic governmental regulations. The course will require case study discussions and written briefs. (A, CSU, UC) (C-ID BUS 125) (C-ID BUS 120)

19V COOPERATIVE WORK EXPERIENCE, BUSINESS

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment, pass/no pass

Supervised employment, directly related to student's major in business. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

26 VIRTUAL ENTERPRISE

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

Virtual Enterprise (VE) is a technology driven business simulation course in which students develop and manage global enterprises that trade their products and services via e-commerce technology through a worldwide network of 3,000 firms in more than 20 countries. The virtual firm is intended to work like a real business, requiring students to be active in a simulated marketplace, tackling all real life business issues (i.e.: marketing, sales, service, IT/IS, accounting, personnel, and administration), while learning the importance of sustaining business relations with other VE firms. (A, CSU)

27 COLLEGIATE ENTREPRENEURS ORGANIZATION

1-3 units, 1-2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

This course provides business leadership training and experience using the student entrepreneurship organization, Collegiate Entrepreneur's Organization (CEO) (an affiliate of the national organization, Collegiate Entrepreneur's Organization). Students participate in intercollegiate competitions while acquiring knowledge and skills in entrepreneurship, service, leadership, networking, and communication. (A, CSU)

30 PERSONAL FINANCE

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH and Mathematics 201.

This course examines the integration of personal financial management with physiological and psychological well-being, and the life-long impact financial decisions have on individuals, families, and society. Topics include time value of money, tax strategies, financial planning strategies, financial monitoring, money & credit management, risk management, saving and investing, and retirement and estate planning. (A, CSU, UC)

33 HUMAN RELATIONS IN BUSINESS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132.

This class covers traditional human relations topics and theories while emphasizing interpersonal skill development. There is an emphasis on motivating, communicating, goal-setting, managing time, evaluating performance, and understanding the worker. (A, CSU)

34 FUNDAMENTALS OF INVESTING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

This class covers traditional investment tools including stocks, bonds, mutual funds, real estate, insurance, and other alternatives as investment and retirement planning instruments. Personal finance, retirement plans, and related topics will be explored. (A, CSU)

38 OPERATION OF A SMALL BUSINESS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

This course teaches students to take a systematic approach to developing and managing a small business. Emphasis is placed on discussions, case studies, and practical exercises that help students to develop expertise in the operations, marketing, human resource utilization, and financing of a small business venture. (A, CSU)

39 FINITE MATHEMATICS FOR BUSINESS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Mathematics 103 or the equivalent.
ADVISORIES: English 1A or 1AH.

This course will teach 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. We will use applications in business, economics and social sciences. This class meets the major requirements for students transferring to CSU, Fresno. (A, CSU-GE, UC, I)

47 CAREERS-BUSINESS

1 unit, 1 lecture hour, pass/no pass

ADVISORIES: English 132.

This class will provide the student with job search skills including resume and cover letter writing and interview techniques. Additionally, this course will describe and discuss job related "soft skills" and work ethics. (A, CSU)

48 e-BUSINESS

3 units, 3 lecture hours

ADVISORIES: Information Systems 15, English 132, and Mathematics 201.

This class examines the nature and environment of electronic commerce and its strategic implications including: information technology infrastructure, marketing, business models, ethics, financial implications, globalization, the value chain, and enterprise resource planning. (A, CSU)

52 INTRODUCTION TO ENTREPRENEURSHIP

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

Students in this course will develop an understanding of the complex tasks faced by individuals engaged in entrepreneurial activities. This course identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and the key parts of a business plan. (A, CSU)

53 PROFESSIONAL COMMUNICATIONS & SOFT SKILLS

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

Take this course and qualify to earn a globally recognized iCEV Southwest Airlines Professional Communications Certification. The Certification assesses industry-valued and recognized standards produced by Southwest Airlines and verifies individuals possess the soft skills necessary to thrive in any workplace environment: the ability to communicate effectively, think critically and work with others. Those who earn the Certification are more qualified and prepared to enter any work environment, regardless of industry interest. This course covers the following topics: workplace communication styles, conflict management, teamwork & collaboration, leadership styles, customer service, managing diversity and digital communication techniques. Not open to students with credit in OT-53. (A, CSU)

61 FIELD STUDIES IN BUSINESS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Economics 1A, 1B, Business Administration 18 and English 1A or 1AH.

This course provides opportunities for students to integrate their academic work with experiences in the business community; which is a key objective for Business Administration majors. To achieve this objective, students will research multiple industries within the business sector and interact with management level personnel in selected enterprises. Learning will occur both in and outside of the classroom. (A, CSU)

260 TOPICS IN BUSINESS

3 units, 3 lecture hours, pass/no pass

This course offers examination and contemporary overview of current business topics. Students taking this course will research a variety of business skills, such as being able to discuss the historical development of the topic area, the selection of methods to appropriately handle certain business situations, and the evaluation of alternative solutions to contemporary business problems. Sample topics will include Business Ethics, Conflict and Stress Management, Insurance Essentials, Small Business Budgeting, etc.

310 INTRODUCTION TO BUSINESS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This is a survey in business course 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. This course examines how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management and organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting and financial practices; the stock and securities market; and therefore, affect a business' ability to achieve its organizational goals.

315 INTRODUCTION TO MANAGEMENT

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an introduction to the primary management functions, including strategic and tactical planning, decision-making, organizational design and systems, leadership, motivation and communication, and internal control systems.

330 FUNDAMENTALS OF INVESTING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 201 and English 1A or 1AH.

This course examines the integration of personal financial management with physiological and psychological well-being, and the life-long impact financial decisions have on individuals, families, and society. Topics include time value of money, tax strategies, financial planning strategies, financial monitoring, money & credit management, risk management, saving and investing, and retirement and estate planning.

334 PERSONAL FINANCE

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 201 and English 1A or 1AH.

This class covers traditional investment tools including stocks, bonds, mutual funds, real estate, insurance, and other alternatives as investment and retirement planning instruments. Personal finance, retirement plans, and related topics will be explored.

338 OPERATION OF A SMALL BUSINESS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 201 and English 1A or 1AH.

This course teaches students to take a systematic approach to developing and managing a small business. Emphasis is placed on discussions, case studies, and practical exercises that help students to develop expertise in the operations, marketing, human resource utilization, and financing of a small business venture.

347 CAREERS-BUSINESS

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This class will provide the student with job search skills including resume and cover letter writing and interview techniques. Additionally, this course will describe and discuss job related “soft skills” and work ethics.

352 INTRODUCTION TO ENTREPRENEURSHIP

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 201 and English 1A or 1AH.

Students in this course will develop an understanding of the complex tasks faced by individuals engaged in entrepreneurial activities. This course identifies the methods for developing a business idea, the process of starting a business, how to acquire resources, and the key parts of a business plan.

CHEMISTRY (CHEM)

1A GENERAL CHEMISTRY

5 units, 3 lecture hours, 6 lab hours, pass/no pass

PREREQUISITES: Chemistry 3A or equivalent, and Mathematics 103 or 3A or 5A or equivalent. ADVISORIES: English 1A or 1AH.

This is the first course in a two course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. This course covers the principles and laws of inorganic chemistry with an emphasis on quantitative, mathematical problem-solving. Topics included in the course are atoms, molecules and ions; formulas and equations; stoichiometry; gas laws; electronic structure of atoms; bonding; atomic orbital and molecular orbital theories; solutions; precipitation reactions; oxidation reduction reactions; introduction to acids and bases; thermochemistry; properties of liquids; solids and crystal structures; solution behavior; colligative properties; associated laboratory experiments; and volumetric and gravimetric analysis methods. (A, CSU-GE, UC, I) (C-ID CHEM 110) (C-ID CHEM 120S: CHEM 1A & CHEM 1B)

1B GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS

5 units, 3 lecture hours, 6 lab hours, pass/no pass

PREREQUISITES: Chemistry 1A and Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

This course completes the year long general chemistry sequence (1A-1B) and covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics covered include acid-base theory, chemical kinetics, equilibrium (acid-base, hydrolysis, and solubility), chemical thermodynamics, electrochemistry, selected topics in nuclear chemistry, coordination chemistry, and/or chemistry of selected groups. Students will analyze inorganic compounds qualitatively and quantitatively. (A, CSU-GE, UC, I) (C-ID CHEM 120S: CHEM 1A & CHEM 1B)

3A INTRODUCTORY GENERAL CHEMISTRY

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Mathematics 103 or 3A or 5A or equivalent. ADVISORIES: English 1A or 1AH, Chemistry 10 or high school chemistry.

This is a survey course in the principles of inorganic chemistry covering the composition of matter, physical and chemical changes, atomic and molecular structure, inorganic nomenclature, chemical formula and reaction calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theories, pH, oxidation-reduction reactions, thermodynamics, nuclear chemistry and equilibrium. The course emphasizes problem solving and chemical calculations. Both qualitative and quantitative theory and techniques will be covered. It is intended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC, I) (C-ID CHEM 101)

3B INTRODUCTORY ORGANIC AND BIOLOGICAL CHEMISTRY

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Chemistry 1A or 3A or equivalent. ADVISORIES: English 1A or 1AH.

This course provides students with an introduction to the basic concepts of organic and biochemistry. The structures, behaviors, and functions of small organic molecules and biomolecules are evaluated; common classes of organic compounds, organized according to functional group, are explored first, followed by properties of important biological compounds such as carbohydrates, lipids, and proteins. This course is relevant for some students seeking careers in health related professions. (A, CSU-GE, UC, I)

8 ELEMENTARY ORGANIC CHEMISTRY

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Chemistry 1A or 3A. ADVISORIES: English 1A or 1AH.

A survey of the important classes of organic compounds with emphasis upon materials of interest to students in the biological sciences. This thorough introduction to organic chemistry is recommended for students who need to take Chemistry 28A or for biology majors, students in prehealth sciences or environmental sciences. (A, CSU-GE, UC, I)

9 ELEMENTARY ORGANIC CHEMISTRY LABORATORY

3 units, 1 lecture hour, 6 lab hours, pass/no pass

PREREQUISITES: Chemistry 1A or 3A. COREQUISITES: Chemistry 8. ADVISORIES: English 1A or 1AH.

Reactions and physical properties of the main functional groups of organic compounds such as alkanes, alkenes, alkylhalides, acids and esters. Students will work hands-on with a melting point apparatus, a refractometer, a gas-chromatograph, an infra-red spectrometer and a nuclear magnetic resonance spectrometer. The course is designed to accompany an elementary organic chemistry lecture course such as Chemistry 8. This course, along with Chemistry 8, is a thorough preparation for the advanced organic chemistry courses, Chemistry 28A and 29A. (A, CSU-GE, UC, I)

10 ELEMENTARY CHEMISTRY

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 103 or equivalent, and English 1A or 1AH.

This is a one-semester elementary class for students who have never taken high school chemistry. The course will give students a basic background in matter, energy, chemical reactions, measurements, formula writing, nomenclature, chemical calculations, gas laws, bonding, solutions, net-ionic equations, acid-base theory, pH, oxidation-reduction reactions and equilibrium. This course is recommended for applied science and non-science majors or for students preparing to take Chemistry 1A. (A, CSU-GE, UC, I) (C-ID CHEM 101)

28A ORGANIC CHEMISTRY I

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Chemistry 1B. ADVISORIES: English 1A or 1AH.

This course is a study of the structures, properties, nomenclature and reactions of organic compounds with emphasis on reaction mechanisms. The course is recommended for students whose major is chemistry, premedical, predental, prepharmacy, biology, biochemistry or chemical engineering. The following topics are included: stereochemistry, alkanes, alkenes, alkynes, alkyl halides, alcohols, amines, ethers, epoxides, aromatics, and organometallic compounds, resonance and conjugation, kinetic and thermodynamic control of reactions, multistep syntheses, infrared spectroscopy, nuclear magnetic spectroscopy, and mass spectroscopy. (A, CSU-GE, UC, I) (C-ID CHEM 150: CHEM 28A & CHEM 29A) (C-ID CHEM 160: CHEM 28A+CHEM 28B+CHEM 29A+CHEM 29B)

28B ORGANIC CHEMISTRY II

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Chemistry 28A. ADVISORIES: English 1A or 1AH.

This is the second semester in a year-long course in organic chemistry designed for students majoring in chemistry and related disciplines, such as premedical, prepharmacy, predental, biology, biochemistry or chemical engineering. It covers the study of several groups of compounds in organic chemistry including aromatic compounds, benzene derivatives, carbonyl compounds, amines, amino acids, lipids, and nucleic acids. Each group is analyzed in terms of their structure, physical properties, nomenclature, reactions and reaction mechanisms. Also included are the oxidation-reduction of organic functional groups and protecting groups in multistep syntheses. (A, CSU-GE, UC, I) (C-ID CHEM 160: CHEM 28A+CHEM 28B+CHEM 29A+CHEM 29B)

29A ORGANIC CHEMISTRY LABORATORY I

2 units, 6 lab hours, pass/no pass

COREQUISITES: Chemistry 28A. ADVISORIES: English 1A or 1AH.

Chemistry 29A is the first of two laboratory courses in organic chemistry, and as such it is primarily concerned with introducing the tools and techniques that chemists use to investigate the nature of organic compounds. Students will learn a variety of isolation and purification techniques such as recrystallization, liquid-liquid extraction, distillation (simple, fractional, steam), and chromatography (solid and gas phase). Students will also synthesize organic compounds and characterize their purified products using melting point determination and FTIR analysis. Gas chromatography, boiling point, refractometry, polarimetry, and NMR will also be utilized in this course. (A, CSU-GE, UC, I) (C-ID CHEM 160: CHEM 28A+CHEM 28B+CHEM 29A+CHEM 29B)

29B ORGANIC CHEMISTRY LABORATORY II

2 units, 6 lab hours, pass/no pass

PREREQUISITES: Chemistry 29A. COREQUISITES: Chemistry 28B. ADVISORIES: English 1A or 1AH.

Chemistry 29B is the second of two laboratory courses in organic chemistry, and as such it is primarily concerned with introducing intermediate level techniques used in organic chemistry. Although many of the familiar, introductory techniques from 29A will be used in 29B also, additional methods of analysis such as NMR spectroscopy, mass spectrometry, and computational methods will be utilized. In CHEM 29B students will carry out multi-step syntheses, and additional emphasis will be placed on problem solving, application of theory, and structural identification. (A, CSU-GE, UC, I) (C-ID CHEM 160: CHEM 28A+CHEM 28B+CHEM 29A+CHEM+29B)

CHICANO-LATINO STUDIES (CLS)

11 INTRODUCTION TO CHICANO-LATINO STUDIES

3 units, 3 lecture hours

ADVISORY: English 1A or 1AH.

The introductory course explores the Chicano/a/x and Mexican American community, culture(s)and heritage(s) in American society from an interdisciplinary approach. Focus on sociocultural challenges, struggles, and social justice movements that define the Chicano/a/x experience. Examination of the ancestral roots, dynamic migration/immigration trends, conflict, racialization processes, liberation struggles, socialization process, and sociopolitical patterns from ancient Indigenous civilizations of Mesoamerica to the present. Overview of trends and patterns in Latino/a/x populations at-large will also be explored. (A, CSU-GE, UC, I)

CHILD DEVELOPMENT - SEE EARLY CHILDHOOD EDUCATION (ECE)

COMMUNICATION (COMM)

1 PUBLIC SPEAKING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course presents the fundamentals of public speaking theories and techniques to enhance public speaking skills. Particular emphasis will be on the organization and criticism of public discourse. This will be achieved through research, reasoning, presentations, and the evaluation of various types of speeches which include informative and persuasive speeches. (A, CSU-GE, UC, I) (C-ID COMM 110)

1H HONORS PUBLIC SPEAKING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course will cover fundamentals of public speaking utilizing theories and techniques of communication to enhance public speaking skills. Particular emphasis will be on the organization and criticism of public discourse. This will be achieved through research, reasoning, presentations, and evaluation of various types of speeches which include informative and persuasive. As an Honor's section, this class will employ enhanced methods such as the use of research, advocacy and debate in addition to exploring prominent speakers and the analysis of famous speeches. (A, CSU-GE, UC, I) (C-ID COMM 110)

2 INTERPERSONAL COMMUNICATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

The study of interpersonal communication will empower students, through the development of self-concept and identity, to gain lifelong social, psychological, and physiological skills that can be applied across contexts and relationships. Students will learn the importance of communication, active listening, deciphering verbal and nonverbal communication, and the power of language, culture, perception, and emotions in relationships. This course explores ways to maintain romantic, platonic, family, and professional relationships through communication competence, interpersonal skills, and pragmatic theoretical application. This course also offers students lifelong practical applications for dealing with conflict, toxic relationships, and the termination of relationships. (A, CSU-GE, UC) (C-ID COMM 130)

4 PERSUASION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to examine both theory and application of persuasive techniques in personal and professional communication. Students will develop skills in communication through analyzing and presenting persuasive messages. (A, CSU-GE, UC, I) (C-ID COMM 190)

8 GROUP COMMUNICATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

Group communication introduces students to how communication can be used as a vehicle for solving problems and making decisions imperative to successful social and professional interaction. Students will develop a conceptual understanding of small group principles and contexts, putting this knowledge into action through a variety of experiential activities. Students will study and practice theories, behaviors, and the process of group interactions. Students will construct and deliver informative and persuasive public presentations. (A, CSU-GE, UC, I) (C-ID COMM 140)

10 INTERCULTURAL COMMUNICATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

Intercultural Communication introduces students to cultural variables in the communication process. Emphasis is given to communicating effectively in diverse social and professional environments. Focus will also be given to the analysis and comparisons of message perception, verbal and nonverbal communication, communication climates and language interpretation in interactions between people from different cultures. Activities are designed to develop communication skills that improve competence in intercultural situations. (A, CSU-GE, UC, I) (C-ID COMM 150)

12 FUNDAMENTALS OF INTERPRETATION

3 units, 3 lecture hours, pass/no pass

This course focuses on interpretation of literature through critical analysis and oral performance based on selected works including but not limited to: poetry, fiction, essays, drama, and children's literature. This includes both individual and dyad/group performances. (A, CSU-GE, UC) (C-ID COMM 170)

15 COMPUTER-MEDIATED COMMUNICATION

3 units, 3 lecture hours, pass/no pass

From email to social networking to online dating new communication technologies have changed the way people build and maintain relationships. This course explores several areas of study related to computer-mediated communication including historical perspectives, relationship formation & maintenance, dating, hyperpersonal communication, the sociology of social networks and online communities, families and online communication, privacy and safety issues, and the convergence of mass and interpersonal communication. (A, CSU)

18 INTRODUCTION TO COMMUNICATION THEORY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Completion of English 1A or 1AH.

This course is a survey of the discipline of communication studies with emphasis on theory. Students will explore basic history, principles, processes, methods, and theories of human communication as an academic field of study. (A, CSU, UC)

25 ARGUMENTATION

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Completion of English 1A or 1AH. ADVISORIES: Communication 1 or 1H.

Argumentation is designed to provide students with methods of critical inquiry and advocacy. Emphasis is placed on analysis, presentation and evaluation of oral and written argumentation. This course focuses on identifying fallacies, testing evidence, and advancing a reasoned position while defending and refuting arguments. Students are required to write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I) (C-ID COMM 120)

25H HONORS ARGUMENTATION AND DEBATE

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Completion of English 1A or 1AH. ADVISORIES: Communication 1 or 1H.

Argumentation is designed to provide students with the methods for critical inquiry and advocacy. Emphasis will be placed on analysis, presentation and evaluation of oral and written argumentation. This course focuses on identifying fallacies, testing evidence, and advancing a reasoned position while defending and refuting arguments. Students will write a minimum of 6,000 words during the course of the semester. As an Honor's section, this class will employ enhanced methods of debate and critical analysis of arguments. (A, CSU-GE, UC, I) (C-ID COMM 120)

301 BASICS OF PUBLIC SPEAKING

0 units, .34 lecture hours, pass/no pass only, unlimited repeats.

In this class, you will not only learn strategies to manage your fear of public speaking, but you will also learn the basics of audience analysis, listening, speech organization, and how to become more confident in your speech delivery.

303 CONFLICT RESOLUTION STRATEGIES FOR THE WORKPLACE

0 units, .34 lecture hours, pass/no pass only, unlimited repeats.

Conflict is inevitable but how we deal with conflict can make all the difference at work or in our relationships. This course will define conflict, discuss both the benefits and dangers of conflict while addressing common conflict types and management strategies.

305 LEADERSHIP AND COMMUNICATION

0 units, .34 lecture hours, pass/no pass only, unlimited repeats.

Leadership requires good communication skills. This course will define leadership, discuss the verbal and nonverbal elements that help to convey power, and explain where power comes from while discussing ways to improve communication skills in order to increase you own leadership potential.

COMPUTER SCIENCE (CSCI)

1 INTRODUCTION TO COMPUTER SCIENCE

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITE: Mathematics 103 or equivalent. ADVISORY: English 1A or English 1AH.

This course introduces various disciplines within computer science and provides a foundation in programming fundamentals. Topics include computer hardware and software, operating systems and networks, social and ethical implications, deductive reasoning, and programming concepts and methodology. The course is designed for computer science majors and nonmajors. (A, CSU, UC)

5 JAVA PROGRAMMING

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITE: Mathematics 103. ADVISORY: English 1A or 1AH.

This course is an introduction to object-oriented concepts, terminology, and syntax to create programs using Java. The topics include data representation, control structures, class objects, methods, arrays, and graphical user interfaces. This course prepares students for the Oracle Certified Foundations Associate, Java exam and the first part of the Oracle Java SE 8Programmer I certification exam. (A, CSU, UC)

12 DIGITAL LOGIC DESIGN

4 units, 3 lecture hours, 3 lab hours

COREQUISITE: Mathematics 3A.

This course provides an introduction to the fundamentals of designing digital computer hardware. The course covers: logic gates, binary number system, conversion between number systems, Boolean algebra, Karnaugh maps, combinational logic, digital logic design, flip-flops, programmable logic devices (PLDs), counters, registers, memories, state machines, designing combinational logic and state machines into PLDs, basic computer architecture, and hardware description programming. Lab assignments are design oriented. (A, CSU, UC)

26 DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

4 units, 3.5 lecture hours, 2 lab hours, pass/no pass

PREREQUISITE: Computer Science 40. ADVISORY: English 1A or English 1AH.

This course studies elements of discrete mathematics which have applications to computer science. Topics include sets, propositional and predicate logic, relations and functions, proof techniques, graphs, trees, and discrete probability. (A, CSU-GE, UC, I) (C-ID COMP 152)

40 PROGRAMMING CONCEPTS AND METHODOLOGY I

4 units, 3.5 lecture hours, 2 lab hours, pass/no pass

PREREQUISITE: Mathematics 3A. ADVISORY: English 1A or English 1AH.

This course introduces problem solving, algorithm development, procedural and data abstraction using a current programming language, program design, testing, and documentation. (A, CSU, UC) (C-ID COMP 112, COMP 122)

41 PROGRAMMING CONCEPTS AND METHODOLOGY II

4 units, 3.5 lecture hours, 2 lab hours, pass/no pass

PREREQUISITES: Computer Science 40 or Engineering 40. ADVISORY: English 1A or English 1AH.

This course introduces application of software engineering techniques to the design and development of large programs, data abstraction and structures, and associated algorithms. Topics include linear and non-linear data structures such as lists, stacks, queues, trees, and graphs, algorithms for recursion, searching, sorting, and traversal. (A, CSU, UC) (C-ID COMP 132)

45 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING

4 units, 3 lecture hours, 2 lab hours, pass/no pass

PREREQUISITE: Computer Science 41. ADVISORY: English 1A or English 1AH.

This course introduces functional organization of digital computers and low level programming; internal representation of data, binary arithmetic, machine instructions, addressing modes, subroutine linkage, macros and interrupts, PC Assembly language programming. (A, CSU, UC) (C-ID COMP 142)

58 PROGRAMMING ESSENTIALS IN PYTHON

3 units, 2 lecture hours, 2 lab hours, pass/no pass

ADVISORIES: Mathematics 3A and English 1A or 1AH.

This course includes the fundamentals of computer programming concepts and techniques using Python. Students will learn about interpreted code, using an integrated development environment and cover Python syntax, types, arithmetic operators and expressions, variables and scope, input/output operations, conditions, iteration, lists and dictionaries and their manipulation, basic sorting, modules and packages, string methods, exception handling, object-oriented programming, inheritance, polymorphism, generators, and iterators. This course prepares students for Python Institute's Certified Associate in Python Programming (PCAP) by addressing objectives as specified in the curriculum. (A, CSU)

305 JAVA PROGRAMMING

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Mathematics 103. ADVISORIES: English 1A or 1AH.

This course is an introduction to object-oriented concepts, terminology, and syntax to create programs using Java. The topics include data representation, control structures, class, objects, methods, arrays, and graphical user interfaces. This course prepares students for the Oracle Certified Foundations Associate, Java exam and the first part of the Oracle Java SE 8Programmer I certification exam.

358 PROGRAMMING ESSENTIALS IN PYTHON

0 units, 2 lecture hours, 2 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Mathematics 3A and English 1A or 1AH.

This course includes the fundamentals of computer programming concepts and techniques using Python. Students will learn about interpreted code, using an integrated development environment and over Python syntax, types, arithmetic operators and expressions, variable and scope, input/output operations, conditions, iteration, lists and dictionaries and their manipulation, basic sorting, modules and packages, string methods, exception handling, object-oriented programming inheritance, polymorphism, generators, and iterators. This course prepares students for Python Institute's Certified Associate in Python Programming (PCAP) by addressing objectives as specified in the curriculum.

COOPERATIVE WORK EXPERIENCE EDUCATION (COTR)

Students may earn no more than a total of 16 semester units of Cooperative Work Experience Education subject to the limitations as described below.

TRANSFER

Students should review the catalog of the college to which they plan to transfer to determine the number of units of cooperative work experience that will transfer.

19G COOPERATIVE WORK EXPERIENCE

1-6 units: 75 hours of paid employment or 60 hours volunteer employment per unit per semester, pass/no pass

Supervised employment, not directly related to the student's major. Students may enroll for a maximum of 6 units per semester. Students may earn a total of 6 units in general work experience. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

COUNSELING (COUN)

34 CAREER AWARENESS

2 units, 2 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A recommended.

This course is specifically designed to guide students in selecting a college major leading to a career path. It encompasses self-assessments, career exploration (career research), decision-making and goal-setting skills, and success strategies. (A, CSU)

47 LEARNING STRATEGIES

2 units, 2 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A.

This course establishes effective study habits and positive attitudes that will lead to successful achievement of academic goals. The course includes: understanding the psychology of learning, identifying learning styles, obstacles to achievement, goal setting, time management, concentration, active listening, note taking, using a textbook, memory techniques, test taking, vocabulary building, and budgeting resources. (A, CSU)

53 COLLEGE AND LIFE MANAGEMENT

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This course is designed for first-year college students. It will prepare students for college life and academic success. Topics will include personal growth and development, academic goal development, campus resources, student success strategies, diversity and cultural awareness, and maintaining a healthy lifestyle. (A, CSU-GE, UC)

120 COLLEGE INTRODUCTION

1 unit, 1 lecture hour, pass/no pass

This is a comprehensive course to assist students in self-assessment, planning for success, time management, and educational planning. Students will familiarize themselves with the Reedley College catalog and will learn about the various campus resources and student services available for their use. (A)

281 LIFE STRATEGIES FOR SUCCESS

1 unit, 1 lecture hour, pass/no pass only

Students will learn skills that will assist them in developing and implementing a personal plan for achieving their life goals.

282 PRACTICAL MONEY SKILLS FOR LIFE

1 unit, 1 lecture hour, pass/no pass

This is a basic course in money management. Each student will be introduced to the benefits of budgeting and financial planning. Students will become familiar with how to best utilize their financial resources and identify the benefits and disadvantages of using credit. Students will learn the various types of checking and savings accounts, identify various consumer scams, and learn how to protect themselves from identity theft.

283 PARENTING STRATEGIES AND FAMILY RELATIONSHIPS

1 unit, 1 lecture hour, pass/no pass only

This course examines the importance of family relationships and helps identify strategies that can lead to positive changes within the family. Students will learn strategies for effective parenting, effective communication, stress and anger management, domestic violence resolution, and personal boundary maintenance.

381 LIFE STRATEGIES SUCCESS

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

Students will learn skills that will assist them in developing and implementing a personal plan for achieving their life goals.

382 PRACTICAL MONEY SKILLS FOR LIFE

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

This is a basic course in money management. Each student will be introduced to the benefits of budgeting and financial planning. Students will become familiar with how to best utilize their financial resources and identify the benefits and disadvantages of using credit. Students will learn the various types of checking and savings accounts, identify various consumer scams, and learn how to protect themselves from identity theft.

383 PARENTING STRATEGIES AND FAMILY RELATIONSHIPS

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

This course examines the importance of family relationships and helps identify strategies that can lead to positive changes within the family. Students will learn strategies for effective parenting, effective communication, stress and anger management, domestic violence resolution, and personal boundary maintenance.

CRIMINOLOGY (CRIM)

1 INTRODUCTION TO CRIMINOLOGY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course introduces students to the history and philosophy of the United States criminal justice system. It also analyzes theories of crime and crime causation in conjunction with how law is developed. Additionally, the course examines sentencing and incarceration processes. (A, CSU, UC) (C-ID C-ID AJ 110)

3 LEGAL ASPECTS OF EVIDENCE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines categories of evidence and legal rules which govern their admissibility or exclusion in a United States court of law. (A, CSU) (C-ID AJ 124)

4 PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course analyzes criminal law and its relationship to court proceedings in the United States. The class introduces students to concepts such as procedural rules, jurisdiction, classification and elements of crimes. It also focuses on the legal issues and constitutional interpretations involving extradition, arrest, search and seizure laws, admissions and confessions, and other directives provided to law enforcement agencies. (A, CSU) (C-ID AJ 122)

5 COMMUNITY RELATIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

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 consensus and conflicting values in culture, religion, and law. (A, CSU-GE, UC, I) (C-ID AJ 160)

6 CRIMINAL LAW (FORMERLY CRIM 6A)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

This course offers an analysis of the history, philosophy, and enforcement of criminal law in the United States, with an emphasis on California criminal law. It provides students with an understanding of the classification of crimes against property and persons. This course discusses the most frequently used criminal statutes in the United States and the state of California. (A, CSU, UC) (C-ID AJ 120)

7 POLICE OPERATIONS AND PROCEDURES (FORMERLY CRIM 7A)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course explores the theories, philosophies, and concepts related to the duties of law enforcement officers. The course content places special emphasis on patrol, traffic, and public service responsibilities as it relates to the criminal justice system. (A, CSU)

8 CRIMINAL INVESTIGATIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the criminal investigation process. More specifically, the course addresses the techniques, procedures, and ethical issues involved in the investigation of crime. Students will gain an understanding of preliminary and follow up investigations, as well as interview and interrogation techniques, case documentation and court preparation. (A, CSU) (C-ID AJ 140)

10 VICE CONTROL

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132.

This course focuses on legal issues relating to vice detection, crime suppression, criminal apprehension, and prosecution of offenders. It also examines organized crime and its effect on the criminal justice system. (A, CSU)

11 JUVENILE DELINQUENCY

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course explores the origins of juvenile law as well as issues relating to juvenile delinquency. It also analyzes the juvenile court system and its processes. (A, CSU) (C-ID AJ 220)

12 CRIMINAL JUSTICE COMMUNICATIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course emphasizes the fundamentals of gathering and organizing information for the purposes of writing reports within the criminal justice system. (A, CSU)

13 THE CONSTITUTION AND YOUR INDIVIDUAL RIGHTS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the history and development of the United States Constitution and places particular emphasis on how the document informs Supreme Court cases. More specifically, the course analyzes the interpretive reasoning utilized by Supreme Courts Justices in making constitutionally based decisions. Also, there is a concentration on the historic protection of individual rights contrasted with the inherent power of the government. (A, CSU-GE, UC, I)

14 MULTICULTURAL ISSUES WITHIN PUBLIC SAFETY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course encompasses a theoretical as well as a conceptual overview of multi-cultural concepts and matters related to gender, age, and sexual orientation. Additionally, the course identifies issues that have arisen as a result of society's increasingly diverse population and it examines strategies to address those issues in the context of maintaining social order. (A, CSU-GE, UC,I)

15 INTRODUCTION TO POLICE ETHICS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the philosophical and theoretical issues related to the ethical considerations that are faced in every aspect of the criminal justice system. Also, the course is designed to challenge students in the areas of morality, ethics, and human behavior. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, CRIMINAL JUSTICE

1-8 units, 75 hrs/unit paid, 60 hrs/unit volunteer

This course offers credit for work experience. It is supervised employment directly related to the student's major and/or career goals in the field of Criminal Justice. Students may enroll for a maximum of 8 units in one enrollment period. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

20 INTRODUCTION TO CORRECTIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the history, philosophy, and concepts of the United States correctional system. Additionally, the course presents a critical analysis of punishment and its alternatives, as well as a review of the various types of correctional facilities employed in the United States. (A, CSU) (C-ID AJ 200)

23 CORRECTIONAL INTERVIEWING AND COUNSELING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides an overview of the contemporary techniques used in counseling and interviewing by corrections personnel. (A, CSU)

24 CONTROL AND SUPERVISION IN CORRECTIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course presents an overview of the supervision of inmates in local, state, and federal correctional institutions. Additionally, it emphasizes issues of institutional control which include the daily inner workings of the system, crisis situations, inmate subculture, violence and the cause and effect of the use of abusive tactics. (A, CSU)

28 PROBATION AND PAROLE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132.

This course examines the history, development, and current practices of probation and parole. It also analyzes the current trends and issues of community-based corrections, as well as alternatives for offenders. (A, CSU) (C-ID AJ 200 CRIM 28 & CRIM 20)

DANCE (DANCE)

9 DANCE CONDITIONING

1 unit, 3 lab hours, pass/no pass

This course is designed for students to learn basic conditioning skills for dance. Instruction includes techniques that promote body awareness, improve body alignment and expedite body ability for dance skills. This course is designed for students of all ages and fitness levels. (A, CSU, UC)

10 MODERN DANCE

1 unit, 3 lab hours, pass/no pass

This course is designed to teach modern dance exercises and improvisations involving body movement, rhythm, design, dynamics, technique, and expression. Students will learn body conditioning exercises for posture, strength, and flexibility. (A, CSU, UC)

14 BEGINNING JAZZ DANCE

1 unit, 3 lab hours, pass/no pass

This course is a study of contemporary dance style, modified from ballet and modern dance. Students will utilize basic steps and isolated body parts; conditioning exercises for strength, flexibility, balance, and alignment done in a rhythmic form to jazz and other contemporary music. (A, CSU, UC)

15 INTERMEDIATE JAZZ DANCE TECHNIQUE

1 unit, 3 lab hours, pass/no pass

Dance 15 is a progressive refinement of jazz dance technique, building upon skills and techniques covered in Dance 14. Students will utilize basic and intermediate steps and isolated body parts; conditioning exercises for strength, flexibility, balance, and alignment done in a rhythmic form to jazz and other contemporary music. (A, CSU, UC)

28 INTERMEDIATE MODERN DANCE TECHNIQUE

1 unit, 3 lab hours, pass/no pass

Dance 28 is a progressive refinement of modern dance technique, building upon skills and techniques covered in Dance 10. Dance 28 covers an intermediate-level modern dance, emphasis on up-side down movement, fast-pace locomotor patterns, and weight sharing. (A, CSU, UC)

DENTAL ASSISTING (DA)

101 DENTAL ASSISTING 1

22 units, 17 lecture hours, 16 lab hours

ADVISORY: English 1A or 1AH.

The program covers the history of the dental profession including the educational requirements and the ethical and legal responsibilities of each member of the dental team. It covers patient management techniques including human relations. The principles and clinical experiences of radiology are covered in detail as it is required by the Dental Board of California. The principles of chairside assisting, instruction in infection control, and operative dental procedures are covered. Clinical Attire is required. The student is required to purchase malpractice insurance, and complete CPR-BLS approved by the American Heart Association or Red Cross and complete a physical clearance prior to participation in Dental Assisting 101. Students will be fingerprinted and a background check will be performed. Pregnancy is not permitted during the program.

102 DENTAL ASSISTING 2

10.5 units, 7.8 lecture hours, 8.4 lab hours

LIMITATION ON ENROLLMENT: DA 102 may not be taken during pregnancy. PREREQUISITES: Dental Assisting 101.

This course provides the student with theory and skills necessary to apply for the written examination administrated by the Dental Board of California; i.e., intra oral radiology, medical/dental emergencies, drugs used in dentistry, coronal polish, sealants. (A)

103 DENTAL ASSISTING 3

5 units, .22 lecture hours, 14.8 lab hours

PREREQUISITES: Dental Assisting 101 and 102.

The course requires 265 hours extramural clinical experience in a selected dental office/clinic with faculty supervision to develop student competencies in Registered dental assisting and unlicensed dental assisting procedures. The training will consist of 4 hours of lecture which is held at the Reedley College campus.

DEVELOPMENTAL SERVICES (DEVSER)

212 HEALTH MANAGEMENT

2 units, 2 lecture hours, pass/no pass only

This course focuses on student health issues and addresses the recognition of health risk factors in the areas of diet, stress, exercise, sexual behavior, and personal safety. Students will develop strategies for the establishment of a safe and healthy lifestyle. This course is designed for students with disabilities.

213 COMMUNICATION AND ADVOCACY

2 units, 2 lecture hours, pass/no pass only

This course focuses on exploring the impact of disability and developing strategies to improve communication and self-advocacy skills. Topics addressed will include the steps necessary for effective communication, the use of "I" statements, disclosing disability/disability limitations, appropriately requesting reasonable accommodations, appropriate social etiquette and effective techniques for conflict resolution. This course is designed for students with disabilities.

214 GOVERNMENT BASICS

2 units, 2 lecture hours, pass/no pass only

This course focuses on developing the students' understanding of the function of government and their role within it as a citizen. Topics addressed will include the basic structure of government, legislation impacting disability issues, disability resources/services available in the community and a citizen's influence on government. This course is designed for students with disabilities.

240 TRANSITION TO COLLEGE FOR STUDENTS WITH DISABILITIES

1 unit, 1 lecture hour, pass/no pass only

This course is designed to assist students in preparing for their initial semester in a community college. The course will focus on exploring career opportunities, student education planning, time management skills, navigating the college campus and utilizing support resources to assist them in successfully achieving their goals. This course is designed for students with disabilities.

250 WORKABILITY ASSESSMENT AND CAREER AWARENESS

3 units, 2 lecture hours, 3 lab hours, pass/no pass only

This course focuses on developing skills in the area of career assessment, career awareness, career exploration, and career development. Students will participate in exercises to help them choose and explore a chosen career path. This course is designed for students with disabilities.

251 WORKABILITY PREPARATION AND JOB PLACEMENT

3 units, 2 lecture hours, 3 lab hours, pass/no pass only

The course focuses on the development of skills in the areas of work preparation, job placement, and compensatory skills in preparation for work. Students will explore disability issues related to employment, develop an employment portfolio, gain interviewing skills, and become familiar with the Americans with Disabilities Act and disability-related issues in the hiring process. This course is designed for students with disabilities.

252 WORKABILITY STRATEGIES AND JOB MAINTENANCE

2 units, 2 lecture hours, pass/no pass only

Students will use compensatory skills and strategies related to personal disabilities, work ethics, reasonable accommodations and social skills to help support employment retention. This course is designed for students with disabilities.

255 WORKABILITY EXPERIENCE

1-6 units: 75 hours of paid employment or 60 hours volunteer employment per unit per semester, pass/no pass only

The course emphasizes developing skills through work experience in the areas of time management, following directions, appropriate work behaviors, and planning vocational choices. This course is designed for students with disabilities. Students may enroll for a maximum of 6 units per semester. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253.

259 STRATEGIES INTERVENTION

2 units, 2 lecture hours

The course focuses on developing an understanding of the barriers presented by learning disabilities as well as identification of individual strengths. Students will practice learning and technological strategies that will help them in the areas of motivation, concentration, listening comprehension, short and long term memory, note taking, reading comprehension, test taking, and classroom communication. This course is designed for students with an identified learning disability or who may have a learning disability.

262 GROUP INTERACTION FOR STUDENTS WITH DISABILITIES

2 units, 2 lecture hours, pass/no pass only

This course focuses on the development of self-understanding and social skills through group interactions. Students will participate in topic discussions and practice using appropriate social skills through interactions with other individuals and small groups. This course is designed for students with disabilities.

274 TECHNOLOGY TOOLS FOR BASIC LITERACY

2 units, 1 lecture, 3 lab hours, pass/no pass

This course is designed to help prepare students for college level courses by providing scaffolded practice for novice users to explore and practice using technology tools to understand and remember what they hear and what they read. This class is designed for students who know they have a learning disability or who know that college level coursework is difficult for them.

277 ADAPTED COMPUTER LITERACY

2 units, 1 lecture hour, 3 lab hours, pass/no pass only

This course provides an introduction to computers, basic computer components and common computer applications with emphasis on developing computer use skills and exploring adaptations for effective computer use. This course is designed for students with disabilities.

285 LEARNING TOOLS FOR READING AND WRITING

2 units, 1 lecture hour, 3 lab hours, pass/no pass only

This course is designed to be taken in conjunction with other college level courses and will provide students with practice applying the use of learning tools, particularly technology tools, to reading and written language assignments in their courses. Information covered will focus on how to apply the use of text to speech software, speech to text software, recording tools, and study skills features in the software programs to college level assignments.

374 TECHNOLOGY TOOLS FOR BASIC LITERACY

0 units, 1 lecture, 3 lab hours, pass/no pass only, unlimited repeats

This course is designed to help prepare students for college level courses by providing scaffolded practice for novice users to explore and practice using technology tools to understand and remember what they hear and what they read. This class is designed for students who know they have a learning disability or who know that college level coursework is difficult for them.

377 ADAPTED COMPUTER LITERACY

0 units, 1 lecture, 3 lab hours, pass/no pass only, unlimited repeats

This course provides an introduction to computers, basic computer components and common computer applications with emphasis on developing computer use skills and exploring adaptations for effective computer use. This course is designed for students with disabilities.

EARLY CHILDHOOD EDUCATION (ECE)

1 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN (FORMERLY CHDEV 1)

3 units, 3 lecture hours, pass/no pass

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. (A, CSU, UC) (C-ID ECE 120)

2 CHILD GROWTH AND DEVELOPMENT (FORMERLY CHDEV 39)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

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. (A, CSU-GE, UC, I) (C-ID CDEV 100)

3 INTRODUCTION TO CURRICULUM (FORMERLY CHDEV 3)

3.5 units, 3 lecture hours, 2 lab hours

LIMITATION ON ENROLLMENT: This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: Early Childhood Education 1, 2, and English 1A or 1AH.

The course gives an overview of Developmentally Appropriate Curriculum and environments for children 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 curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. (A, CSU) (C-ID ECE 130)

4 CHILD, FAMILY, AND COMMUNITY (FORMERLY CHDEV 30)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Early Childhood Education 1 and 2.

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. (A, CSU-GE, UC, I) (C-ID CDEV 110)

5 OBSERVATION AND ASSESSMENT (FORMERLY CHDEV 20)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Early Childhood Education 1, 2, and 3. ADVISORIES: English 1A or 1AH.

This course focuses on the appropriate use of assessment and observation tools and strategies to document young children's development and learning, emphasizing the use of findings to inform and plan learning environments and experiences. Recording strategies, rating systems, portfolios, and multiple assessment tools will be explored, along with strategies for collaboration with families and professionals. (A, CSU) (C-ID ECE 200)

6 HEALTH, SAFETY AND NUTRITION IN EARLY CHILDHOOD EDUCATION (FORMERLY CHDEV 6)

3 units, 3 lecture hours, pass/no pass

This course covers an introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. Topics include prevention, detection, and management of communicable disease; medical issues associated with disabilities and chronic illness; physical health; mental health and safety for both children and adults; collaboration with families and health professionals. Integration of the concepts discussed into planning and program development for children ages 0 to 5 will be emphasized. (A, CSU) (C-ID ECE 220)

7 DIVERSITY AND CULTURE IN EARLY CARE AND EDUCATION PROGRAMS (FORMERLY CHDEV 15)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Early Childhood Education 1, 2, and 4.

Examines the impact of various societal influences on the development of children's social identity. Covers developmentally appropriate, inclusive, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be emphasized. (A, CSU, UC) (C-ID ECE 230)

8 EARLY CHILDHOOD PRACTICUM (FORMERLY CHDEV 37A)

4 units, 2 lecture hours, 6 lab hours, pass/no pass

PREREQUISITES: Early Childhood Education 1, 2, 3, and 5. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. (A, CSU) (C-ID ECE 210)

10 ADVANCED PRACTICUM IN EARLY CHILDHOOD EDUCATION (FORMERLY CHDEV 37B

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Early Childhood Education 8. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course is a supervised experience as a teacher in an early childhood education program. Throughout the semester the student will develop environments for learning, complete child observations and assessments, gather documentation of children's work, provide behavior guidance, manage children in a group, collaborate teaching with other adults, build relationships with families, and effectively prepare and implement curriculum using the project approach. (A, CSU)

11 GUIDANCE FOR YOUNG CHILDREN (FORMERLY CHDEV 49)

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course explores effective strategies for guiding children's behavior in the Early Care and Education environment. Establishing a pro-social environment, developing positive relationships, and maintaining a healthy schedule will be emphasized. Attention will be given to guidelines for discussion of behavioral issues of concern, the teacher's role in supporting children through emotional difficulties, and the needs of children at risk. (A, CSU)

12 CHILD ABUSE (FORMERLY CHDEV 12)

3 units, 3 lecture hours, pass/no pass

This course will explore the issues related to abused, battered, and neglected children, along with the profile of abusers. Reporting laws and professional responsibilities will be identified. Identification, prevention and treatment of abused children and abusers will be covered. (A, CSU)

13 EMERGENT LITERACY (FORMERLY CHDEV-47)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed for current students, future early childhood educators, those who are considering teaching as a profession, and prospective literacy tutors. Students will develop competency in emergent literacy strategies that are essential for delivering culturally relevant reading instruction to emergent young readers, children from birth through age 8. Students will study and gain knowledge of research-based principles and practices for providing young children with a strong foundation in emergent literacy in early reading, writing and oral language within a developmentally-appropriate approach. The theory and research is translated into practical strategies, assessment materials and preparation of a rich literacy environment. (A, CSU)

14 LIFESPAN DEVELOPMENT (FORMERLY CHDEV 38)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

In this course, basic theories, research concepts and principles of physical, cognitive and psychosocial development, including biological and environmental influences, will be explored with a focus on each major stage of life from conception to death. This course is designed to promote critical self-understanding. Students will apply developmental theory to major topics, including developmental problems, that occur throughout one's lifespan. (A, CSU-GE, UC, I) (C-ID PSY 180)

15 PARENT EDUCATION (FORMERLY CHDEV-5)

3 units, 3 lecture hours, pass/no pass

This course examines skills needed for effective parenting and the importance of nurturing young children. This course also addresses the explicit developmental needs of children and the use of effective communication skills. Positive discipline strategies will be explored as well as environmental influences on behavior. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE (OCCUPATIONAL), CHILD DEVELOPMENT (FORMERLY CHDEV-19V)

1-8 units: 1 unit = 60 volunteer hours or 75 paid hours, pass/no pass

Students will gain work experience in a childcare, early intervention, special education or educational facility. Students can specialize their work experience at the level needed to accomplish their educational/career goals. These various levels of work experience include working with infants, toddlers, preschool, or grades K-3. Students gaining work experience towards the Early Intervention Assistant Certificate are required to complete their work experience at a facility that includes typically and atypically developing children. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. This course includes a 2-hour orientation at the beginning of the semester. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

20 INFANT AND TODDLER PRACTICUM (FORMERLY CHDEV-17A)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Early Childhood Education 1, 2, and 6. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course introduces students to infant-toddler development. It applies current research to the care and education of infants and toddlers in group settings. The course examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children from birth to 36 months. The To Be Arranged hours may include observation of and participation in planning environments and facilitating infant toddler growth and development. (A, CSU)

21 ADVANCED INFANT AND TODDLER DEVELOPMENT (FORMERLY CHDEV 17B

3 units, 3 lecture hours, pass/no pass s

PREREQUISITES: Early Childhood Education 20.

A study of infants and toddlers focusing on birth to age three including physical, cognitive, language, social, and emotional growth and development. Includes an overview of pre-conception, conception, prenatal development and birth. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. (A, CSU)

30 THE YOUNG CHILD WITH SPECIAL NEEDS (FORMERLY CHDEV 11)

3 units, 3 lecture hours

PREREQUISITES: Early Childhood Education 2.

Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. (A, CSU)

31 EARLY INTERVENTION (FORMERLY CHDEV-16)

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Early Childhood Education 5. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course explores the study of infants and toddlers with disabilities, atypical development or other special needs, both in the Early Intervention setting and in the Child Care setting. It explores strategies and interventions used in the field of Early Intervention. Current theories in Early Intervention, early relationships, family systems, grief processing and stress are explored. The To Be Arranged hours may include observation of practitioners and participation in assessments and early intervention strategies. (A, CSU)

40 ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION (FORMERLY CHDEV-40A)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Early Childhood Education 4 and 20 or 8. ADVISORIES: Successful completion of 12 units in child development and/or one year of Early Childhood Education teaching experience strongly recommended, eligibility for English 1A.

This course is an introduction to the administration of early childhood programs. The course covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Students will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. (A, CSU)

41 ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION (FORMERLY CHDEV-40B)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Early Childhood Education 4, and 20 or 8. ADVISORIES: English 1A or 1AH.

This course explores effective strategies for personnel management and leadership in early care and education settings. It includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. (A, CSU)

45 ADULT SUPERVISION AND MENTORING IN EARLY CARE AND EDUCATION (FORMERLY CHDEV-45)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Early Childhood Education 8 or 20 plus current employment in a supervisory capacity in an early care and education setting. ADVISORIES: English 1A or 1AH.

This course explores methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. The course emphasis is on the roles and development of early childhood professionals as mentors and leaders. (A, CSU)

50 FAMILY CHILD CARE PROGRAMS (FORMERLY CHDEV 53)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

An introduction to managing a quality family child care home; meeting licensing requirements, developing policies for parents, business practices, recruiting children, and strategies to promote professionalism. Program planning including developmentally appropriate practices for children of mixed ages, guidance techniques, and designing an environment for children's learning. (A, CSU)

60 INTRODUCTION TO SCHOOL-AGE CHILD CARE (FORMERLY CHDEV-8A)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

LIMITATION ON ENROLLMENT: Verification of measles vaccination, freedom of tuberculosis, and verification of flu vaccination within the past 12 months.

This course will examine quality child care, licensing requirements, and program options for school-age child care. An emphasis will be placed on administrative aspects including staffing requirements, environmental design, and program planning for quality school-age child care. (A, CSU)

61 SCHOOL-AGE CHILD CARE (FORMERLY CHDEV-8B)

3 units, 3 lecture hours, pass/no pass

This course will examine appropriate activities, materials, and curriculum development for the child 5 to 12 years in a group-care setting. An emphasis will be placed on the duties and requirements of the classroom teacher, including the importance of understanding growth and development, and planning developmentally appropriate activities for small and large groups of children. (A, CSU)

70 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SOCIAL AND EMOTIONAL (FORMERLY CHDEV-70)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the social and emotional development domain of the California Preschool Learning Foundations and Frameworks including the strands of self, social interaction, and relationships. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early primary teachers. (A, CSU)

71 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: LANGUAGE & LITERACY (FORMERLY CHDEV-71)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the language and literacy development domain in the California Preschool Learning Foundations and Frameworks including the strands of listening and speaking, reading, and writing. Provides practical considerations for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holder, preschool, transitional kindergarten, and early primary teachers. (A, CSU)

72 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: ENGLISH LANGUAGE DEVELOPMENT (FORMERLY CHDEV-72)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the English language learners domain of the California Preschool Learning Foundations and Frameworks including strands of listening, speaking, reading and writing. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers. (A, CSU)

73 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: MATH (FORMERLY CHDEV-73)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the mathematics domain of the California Preschool Learning Foundations and Frameworks including the strands of number sense, algebra and functions, measurement, geometry, and mathematical reasoning. Provides strategies for implementing the curriculum frameworks for this domain. Applicable to required or professional development units for Child Development Permit holders, transitional kindergarten, and early primary teachers. (A, CSU)

74 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: VISUAL ARTS (FORMERLY CHDEV-74)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the visual arts domain of the California Preschool Learning Foundations & Frameworks including artistic expression and response, and skills using various art mediums. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers. (A, CSU)

75 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: PERFORMING ARTS (FORMERLY CHDEV-75)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the performing arts domain of the California Preschool Learning Foundations and Frameworks including strands of music, drama and dance. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers. (A, CSU)

76 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: PHYSICAL DEVELOPMENT (FORMERLY CHDEV-76)

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the physical development domain of the California Preschool Learning Foundations & Frameworks including strands of fundamental movement skills, perceptual-motor skills and movement concepts, and active physical play. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or Child Development permit holders, preschool, transitional kindergarten, and early-primary teachers. (A, CSU)

77 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: HEALTH (FORMERLY CHDEV-77

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the health domain of the California Preschool Learning Foundations and Frameworks including the strands of health habits, safety, and nutrition. Provides practical strategies for implementing the curriculum frameworks. Applicable to required or professional development units for Child Development Permit holders, as well as preschool, transitional kindergarten, and early-primary teachers. (A, CSU)

78 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SCIENCE

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduces the science domain of the California Preschool Learning Foundations and Frameworks including the strands of scientific inquiry, physical, life, and earth sciences and provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers. (A, CSU)

79 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: HISTORY/SOC SCIENCE

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

Introduction to the history and social science domain of the California Preschool Learning Foundations and Frameworks including strands of self and society, civics, history, geography, ecology, and economics. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers. (A, CSU)

80 REFLECTIVE PRACTICE SEMINAR

3 units, 3 lecture hours

PREREQUISITES: Early Childhood Education 70, 71, 72, 73, 74, 75, 76, 77, 78, and 79. COREQUISITE: Early Childhood Education 81.

Designed for teachers working in early childhood or transitional kindergarten settings. Students will examine their teaching philosophy and engage in the reflective practice cycle. Students will use a variety of instructional strategies, including purposeful play, to assess and support children's learning and development. (A, CSU)

81 PRACTICUM-STUDENT TEACHING IN TRANSITIONAL KINDERGARTEN CLASSROOM

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Early Childhood Education 70, 71, 72, 73, 74, 75, 76, 77, 78, and 79. COREQUISITE: Child Development 80.

Designed for students at the end of their Transitional Kindergarten certificate program. Student teachers will participate in 54 hours of supervised clinical practice in a transitional kindergarten classroom. Student teachers will be expected to demonstrate developmentally appropriate teaching competencies, making connections between theory and practice, and professional teaching behaviors. As student teachers design, implement and evaluate experiences, emphasis will be placed on: relationships with children and families; play-based approaches to teaching, learning, and assessment; and knowledge of curriculum content areas. This course requires verification of measles and pertussis vaccinations, freedom from tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

301 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

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.

302 CHILD GROWTH AND DEVELOPMENT

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or1AH.

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.

303 INTRODUCTION TO CURRICULUM

0 units, 3 lecture hours, 2 lab hours, pass/no pass only, unlimited repeats.

LIMITATION ON ENROLLMENT: This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: Early Childhood Education 301, 302, and English 1A or 1AH.

The course gives an overview of Developmentally Appropriate Curriculum and environments for children 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 curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings.

304 CHILD, FAMILY, AND COMMUNITY

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: Early Childhood Education 301 and 302.

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.

305 OBSERVATION AND ASSESSMENT

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 301, 302, and 303. ADVISORIES: English 1A or 1AH.

This course focuses on the appropriate use of assessment and observation tools and strategies to document young children's development and learning, emphasizing the use of findings to inform and plan learning environments and experiences. Recording strategies, rating systems, portfolios, and multiple assessment tools will be explored, along with strategies for collaboration with families and professionals.

306 HEALTH, SAFETY AND NUTRITION IN EARLY CHILDHOOD EDUCATION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

This course covers an introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. Topics include prevention, detection, and management of communicable disease; medical issues associated with disabilities and chronic illness; physical health; mental health and safety for both children and adults; collaboration with families and health professionals. Integration of the concepts discussed into planning and program development for children ages 0 to 5 will be emphasized.

307 DIVERSITY AND CULTURE IN EARLY CARE AND EDUCATION PROGRAMS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: Early Childhood Education 302, and 304.

Examines the impact of various societal influences on the development of children's social identity. Covers developmentally appropriate, inclusive, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be emphasized.

308 EARLY CHILDHOOD PRACTICUM

0 units, 2 lecture hours, 6 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 301, 302, 303, and 305. LIMITATION ON ENROLLMENT: This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1Aor 1AH.

Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities.

310 ADVANCED PRACTICUM IN EARLY CHILDHOOD EDUCATION

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 308. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course is a supervised experience as a teacher in an early childhood education program. Throughout the semester the student will develop environments for learning, complete child observations and assessments, gather documentation of children's work, provide behavior guidance, manage children in a group, collaborate teaching with other adults, build relationships with families, and effectively prepare and implement curriculum using the project approach.

311 GUIDANCE FOR YOUNG CHILDREN

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course explores effective strategies for guiding children's behavior in the Early Care and Education environment. Establishing a pro-social environment, developing positive relationships, and maintaining a healthy schedule will be emphasized. Attention will be given to guidelines for discussion of behavioral issues of concern, the teacher's role in supporting children through emotional difficulties, and the needs of children at risk.

312 CHILD ABUSE

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

This course will explore the issues related to abused, battered, and neglected children, along with the profile of abusers. Reporting laws and professional responsibilities will be identified. Identification, prevention and treatment of abused children and abusers will be covered.

313 EMERGENT LITERACY

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course is designed for current students, future early childhood educators, those who are considering teaching as a profession, and prospective literacy tutors. Students will develop competency in emergent literacy strategies that are essential for delivering culturally relevant reading instruction to emergent young readers, children from birth through age 8. Students will study and gain knowledge of research-based principles and practices for providing young children with a strong foundation in emergent literacy in early reading, writing and oral language within a developmentally-appropriate approach. The theory and research is translated into practical strategies, assessment materials and preparation of a rich literacy environment.

314 LIFESPAN DEVELOPMENT

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

In this course, basic theories, research concepts and principles of physical, cognitive and psychosocial development, including biological and environmental influences, will be explored with a focus on each major stage of life from conception to death. This course is designed to promote critical self-understanding. Students will apply developmental theory to major topics, including developmental problems, that occur throughout one's lifespan.

315 PARENT EDUCATION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

This course examines skills needed for effective parenting and the importance of nurturing young children. This course also addresses the explicit developmental needs of children and the use of effective communication skills. Positive discipline strategies will be explored as well as environmental influences on behavior.

320 INFANT AND TODDLER PRACTICUM

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 301, 302, and 306. LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course introduces students to infant-toddler development. It applies current research to the care and education of infants and toddlers in group settings. The course examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children from birth to 36 months. The To Be Arranged hours may include observation of and participation in planning environments and facilitating infant toddler growth and development.

321 ADVANCED INFANT AND TODDLER DEVELOPMENT

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 320.

A study of infants and toddlers focusing on birth to age three including physical, cognitive, language, social, and emotional growth and development. Includes an overview of pre-conception, conception, prenatal development and birth. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development.

330 THE YOUNG CHILD WITH SPECIAL NEEDS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 302.

Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process.

331 EARLY INTERVENTION

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 305.

LIMITATION ON ENROLLMENT: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A or 1AH.

This course explores the study of infants and toddlers with disabilities, atypical development or other special needs, both in the Early Intervention setting and in the Child Care setting. It explores strategies and interventions used in the field of Early Intervention. Current theories in Early Intervention, early relationships, family systems, grief processing and stress are explored. The To Be Arranged hours may include observation of practitioners and participation in assessments and early intervention strategies.

340 ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 304 and 320 or 308. ADVISORIES: Successful completion of 12 units in child development and/or one year of Early Childhood Education teaching experience strongly recommended, and English 1A or 1AH.

This course is an introduction to the administration of early childhood programs. The course covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Students will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

341 ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 304, and 320 or 308. ADVISORIES: English 1A or 1AH.

This course explores effective strategies for personnel management and leadership in early care and education settings. It includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program.

345 ADULT SUPERVISION AND MENTORING IN EARLY CARE AND EDUCATION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 308 or 320 plus current employment in a supervisory capacity in an early care and education setting. ADVISORIES: English 1A or 1AH.

This course explores methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. The course emphasis is on the roles and development of early childhood professionals as mentors and leaders.

350 FAMILY CHILD CARE PROGRAMS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course is an introduction to managing a quality family child care home; meeting licensing requirements, developing policies for parents, business practices, recruiting children, and strategies to promote professionalism. Program planning including developmentally appropriate practices for children of mixed ages, guidance techniques, and designing an environment for children's learning.

360 INTRODUCTION TO SCHOOL-AGE CHILD CARE

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

LIMITATION ON ENROLLMENT: This course requires verification of measles vaccination, freedom of tuberculosis, and verification of flu vaccination within the past 12 months.

This course will examine quality child care, licensing requirements, and program options for school-age child care. An emphasis will be placed on administrative aspects including staffing requirements, environmental design, and program planning for quality school-age child care.

361 SCHOOL-AGE CHILD CARE

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

This course will examine appropriate activities, materials, and curriculum development for the child 5 to 12 years in a group-care setting. An emphasis will be placed on the duties and requirements of the classroom teacher, including the importance of understanding growth and development, and planning developmentally appropriate activities for small and large groups of children.

370 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SOCIAL AND EMOTIONAL

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the social and emotional development domain of the California Preschool Learning Foundations and Frameworks including the strands of self, social interaction, and relationships. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early primary teachers.

371 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: LANGUAGE & LITERACY

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the language and literacy development domain in the California Preschool Learning Foundations and Frameworks including the strands of listening and speaking, reading, and writing. Provides practical considerations for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holder, preschool, transitional kindergarten, and early-primary teachers.

372 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: ENGLISH LANGUAGE DEVELOPMENT

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the English language learners domain of the California Preschool Learning Foundations and Frameworks including strands of listening, speaking, reading and writing. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers.

373 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: MATH

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the mathematics domain of the California Preschool Learning Foundations and Frameworks including the strands of number sense, algebra and functions, measurement, geometry, and mathematical reasoning. Provides strategies for implementing the curriculum frameworks for this domain. Applicable to required or professional development units for Child Development Permit holders, transitional kindergarten, and early-primary teachers.

374 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: VISUAL ARTS

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the visual arts domain of the California Preschool Learning Foundations & Frameworks including artistic expression and response, and skills using various art mediums. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers.

375 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: PERFORMING ARTS

0 units, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the performing arts domain of the California Preschool Learning Foundations and Frameworks including strands of music, drama and dance. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, preschool, transitional kindergarten, and early-primary teachers.

376 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: PHYSICAL DEVELOPMENTS

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the physical development domain of the California Preschool Learning Foundations & Frameworks including strands of fundamental movement skills, perceptual-motor skills and movement concepts, and active physical play. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or Child Development permit holders, preschool, transitional kindergarten, and early-primary teachers.

377 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: HEALTH

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the health domain of the California Preschool Learning Foundations and Frameworks including the strands of health habits, safety, and nutrition. Provides practical strategies for implementing the curriculum frameworks. Applicable to required or professional development units for Child Development Permit holders, as well as preschool, transitional kindergarten, and early-primary teachers.

378 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SCIENCE

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A and 1AH.

Introduces the science domain of the California Preschool Learning Foundations and Frameworks including the strands of scientific inquiry, physical, life, and earth sciences and provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

379 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: HISTORY/SOC SCIENCE

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Introduction to the history and social science domain of the California Preschool Learning Foundations and Frameworks including strands of self and society, civics, history, geography, ecology, and economics. Provides practical strategies for implementing the curriculum frameworks developed for this domain. Applicable to required or professional development units for Child Development Permit holders, pre-school, transitional kindergarten, and early-primary teachers.

380 REFLECTIVE PRACTICE SEMINAR

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 370, 371, 372, 373, 374, 375, 376, 377, 378, 379. COREQUISITE: Early Childhood Education 381.

Designed for teachers working in early childhood or transitional kindergarten settings. Students will examine their teaching philosophy and engage in the reflective practice cycle. Students will use a variety of instructional strategies, including purposeful play, to assess and support children's learning and development.

381 PRACTICUM-STUDENT TEACHING IN TRANSITIONAL KINDERGARTEN CLASSROOM

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Early Childhood Education 370, 371, 372, 373, 374, 375, 376, 377, 378, and 379. COREQUISITE: Early Childhood Education 380.

Designed for students at the end of their Transitional Kindergarten certificate program. Student teachers will participate in 54 hours of supervised clinical practice in a transitional kindergarten classroom. Student teachers will be expected to demonstrate developmentally appropriate teaching competencies, making connections between theory and practice, and professional teaching behaviors. As student teachers design, implement and evaluate experiences, emphasis will be placed on: relationships with children and families; play-based approaches to teaching, learning, and assessment; and knowledge of curriculum content areas. This course requires verification of measles and pertussis vaccinations, freedom from tuberculosis, and verification of flu vaccination within the past 12 months.

382 COMMUNICATION AND LANGUAGE DEVELOPMENT 0-3

0 units, .17 lecture hours, pass/no pass only, unlimited repeats

The workshop explores how the development of thinking and reasoning supports language development in young children.

383 EVERYDAY PLAY 0-3

0 units, .17 lecture hours, pass/no pass only, unlimited repeats

This workshop examines how play helps children develop key skills in all developmental domains: cognitive, language, social-emotional and physical.

384 THE FACTORS AFFECTING BRAIN GROWTH AND DEVELOPMENT

0 units, .17 lecture hours, pass/no pass only, unlimited repeats

Workshop covering the different factors promoting or inhibiting healthy brain development.

385 PARENTING TODDLERS

0 units, .5 lecture hours, pass/no pass only, unlimited repeats

In this course parents and family members learn about typical development milestones during the toddler years in the cognitive, social-emotional, language and physical domains. Parents will discover how to easily augment daily activities to support development. Skills to promote positive parenting attitudes and healthy parent-child relationships will be embedded throughout the entire course.

386 SOCIAL-EMOTIONAL DEVELOPMENT 0-3

0 units, .5 lecture hours, pass/no pass only, unlimited repeats

The workshop explores the social and emotional development in the first five years of a child's life, the brain's role in this process, and how parents and caregivers can support healthy social and emotional development.

387 SUPPORTING THE THINKING, REASONING AND UNDERSTANDING OF YOUNG CHILDREN

0 units, .5 lecture hours, pass/no pass only, unlimited repeats

The workshop explores the social and emotional development in the first five years of a child's life, the brain's role in this process, and how parents and caregivers can support healthy social and emotional development.

388 UNDERSTANDING BASICS OF BRAIN DEVELOPMENT 0-5

0 units, .17 lecture hours, pass/no pass only, unlimited repeats

This course will look at how the brain grows and develops from conception until 5 years old and describe the main parts of the brain and their functions as well as explore how a parent can support healthy brain development in early childhood when the brain is the most receptive to change.

389 UNDERSTANDING BEHAVIOR 0-3

0 units, .5 lecture hours, pass/no pass only, unlimited repeats

This workshop discusses the various areas of the brain and how they influence young children's behaviors. The workshop discusses approaches for identifying the root cause of young children's behaviors and discuss and demonstrate effective strategies to address challenging behaviors in very young children.

ECONOMICS (ECON)

1A PRINCIPLES OF MACROECONOMICS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Mathematics 201. ADVISORIES: Mathematics 103 and English 1A or 1AH.

This course is an introduction to macroeconomic theory and aggregate economic analysis covering market systems,the banking system, international economics, economic policy, national income accounting, unemployment and inflation, and economic growth. (A, CSU-GE, UC, I) (C-ID ECON 202)

1B PRINCIPLES OF MICROECONOMICS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Mathematics 201. ADVISORIES: Mathematics 103 and English 1A or 1AH.

This course is an introduction to micro economic theory covering the choices of individual economic decision makers, lasticity, scarcity, income distribution, market structure, market failure, production and cost theory, specialization and trade, and the role of the public sector. (A, CSU-GE, UC, I) (C-ID ECON 201)

15 REAL ESTATE ECONOMICS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines trends and factors that affect the value of real estate. Topics include how a society's economic system influences real estate value, the nature of land economics and the classification of properties, the development of property, construction and sub-division, commercial property, fluctuations in economic value, residential market trends, real property and special purpose property trends. This course fulfills one of the requirements for both the Sales Agent and the Broker's License issued by the California Bureau of Real Estate. (A, CSU)

EDUCATION (EDUC)

6 INTRODUCTION TO SPECIAL EDUCATION

3 units, 3 lecture hours

This course provides an overview of special education in Kindergarten through grade 12 (K-12). This course includes the history of special education, laws and regulations governing service provision, philosophies, assessment methods and personnel requirements. (A, CSU)

7 EXCEPTIONAL LEARNERS

3 units, 3 lecture hours

This course provides an introduction to the variations in development of children with special needs ages birth through eighteen and the implications for education settings. This course includes an overview of development, characteristics of specific disabilities, and strategies and adaptations for supporting learning and development for all children. (A, CSU)

10 INTRODUCTION TO TEACHING

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A.

This course introduces students to the concepts and issues related to teaching diverse learners in contemporary schools, 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 content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in K-12 classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Students need to do their observation in a classroom that is in line with their degree plans. Single subject majors (History, Math, English, etc.) need to observe in subject area at high school or junior high. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU, UC) (C-ID EDUC 200)

ENGINEERING (ENGR)

2 ENGINEERING GRAPHICS

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills, orthographic projections, mechanical dimensioning and tolerancing practices, and the engineering design process. Assignments develop sketching and 2-D and 3-D CAD skills. The use of CAD software is an integral part of the course. PREREQUISITE: Mathematics 4A. (A, CSU, UC) (C-ID ENGR 150)

4 ENGINEERING MATERIALS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Chemistry 1A and Physics 4A. ADVISORIES: English 1A or 1AH.

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. (A, CSU, UC) (C-ID ENGR 140) (C-ID ENGR 140B: ENGR 4 & ENGR 4L)

4L ENGINEERING MATERIALS LABORATORY

1 unit, 3 lab hours, pass/no pass

PREREQUISITES: Chemistry 1A and Physics 4A. COREQUISITES: Engineering 4 (previously or concurrently). ADVISORIES: English 1A or 1AH.

This course is the experimental exploration of the connections between the structure of materials and materials properties. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the lecture course (ENGR 4), to operate testing equipment, to analyze experimental data, and to prepare reports. (A, CSU, UC) (C-ID ENGR 140L) (C-ID ENGR 140B: ENGR 4 & ENGR 4L)

5 PROGRAMMING AND PROBLEM SOLVING IN MATLAB

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Mathematics 5A. ADVISORIES: English 1A or 1AH.

This course utilizes the MATLAB environment 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. (A, CSU, UC) (C-ID ENGR 220)

6 ELECTRIC CIRCUIT ANALYSIS WITH LAB

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Physics 4B. COREQUISITES: Mathematics 17. ADVISORIES: English 1A or 1AH.

This is an introductory course in the analysis of DC and AC linear circuits containing resistors, inductors, capacitors, independent and dependent voltage and current sources, and operational amplifiers. Lecture topics include Ohm's Law, Kirchhoff's Laws, loop and mesh analysis, Thevenin's and Norton's Theorems, superposition, natural and forced response in first and second order circuits, phasor analysis, resonance, AC steady-state power calculations, power transfer, and energy concepts. Lab component includes construction, testing, and analysis of linear electrical circuits. (A, CSU, UC) (C-ID ENGR 260) (C-ID ENGR 260L)

8 STATICS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Physics 4A. COREQUISITES: Mathematics 6.

The study of rigid bodies in static equilibrium when acted upon by forces and couples in two- and three-dimensional space. Includes equilibrium of rigid bodies, trusses, frames and machines, friction, shear and bending moment diagrams, as well as the calculation of centers of mass, centroids, and moments of inertia. (A, CSU, UC) (C-ID ENGR 130)

10 INTRODUCTION TO ENGINEERING

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is an introduction to the engineering profession for students interested in a career in engineering or technology. Topics include the branches of engineering, the functions of an engineer, and the industries in which engineers work. Students will also investigate engineering education pathways and explore effective strategies for reaching their full academic potential. Other topics include an introduction to the methods and tools of engineering problem solving and design, preparing resumes for engineering employment, the interface of the engineer with society, and engineering ethics. (A, CSU, UC) (C-ID ENGR 110)

12 DIGITAL LOGIC DESIGN

4 units, 3 lecture hours, 3 lab hours

COREQUISITE: Mathematics 3A.

This course provides an introduction to the fundamentals of designing digital computer hardware. The course covers: logic gates, binary number system, conversion between number systems, Boolean algebra, Karnaugh maps, combinational logic, digital logic design, flipflops, programmable logic devices (PLDs), counters, registers, memories, state machines, designing combinational logic and state machines into PLDs, basic computer architecture, and hardware description programming. Lab assignments are design oriented. (A, CSU, UC)

40 PROGRAMMING FOR SCIENTISTS AND ENGINEERS

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Mathematics 3A and 4A.

This course introduces the use of C++ programming language to solve engineering and applied science problems. It includes a systematic development of program structure, specification, testing and debugging. Lab assignments include traditional program development as well as the interface of software with the physical world. (A, CSU, UC) (C-ID ENGR 120)

ENGLISH (ENGL)

1A READING AND COMPOSITION

4 units, 4 lecture hours

PREREQUISITES: English 132 or multiple measures' placement.

Students will read, analyze, and compose college-level prose, with emphasis on the expository; study writing as a process; explore different composing structures and strategies; edit and revise their own writing; and conduct research (gather, organize, evaluate, integrate, and document information), culminating in a term research paper and annotated bibliography. Students will write a minimum of 6,000 words in formal academic language. (A, CSU-GE, UC, I) (C-ID ENGL 100)

1AH HONORS READING AND COMPOSITION

4 units, 4 lecture hours

ADVISORIES: English 132.

English 1AH focuses on conducting research and on reading, analyzing, and composing college-level prose, with emphasis on the expository: research (gathering, organizing, evaluating, integrating, and documenting information), culminating in a term research paper using both traditional and original research; studying writing as a process; exploring different composing structures and strategies; editing and revising one's own writing. As an Honors section, this course is organized on a theme with a seminar approach. Students will write a minimum of 8,000 words in formal academic language.(A, CSU-GE, UC, I) (C-ID ENGL 100)

1B INTRODUCTION TO THE STUDY OF LITERATURE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

This course focuses on the development of critical thinking, reading and writing skills through experience with literature, including fiction, poetry, plays, and criticism. (A, CSU-GE, UC, I) (C-ID ENGL 120)

1BH HONORS INTRODUCTION TO THE STUDY OF LITERATURE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

This course uses literary works as content for reading, researching, and writing with emphasis on analytical and critical approaches to drama, poetry, and prose fiction. As an Honors section, this class will employ enhanced teaching methods such as a seminar approach, more research-based writing assignments, and assignments calling for a higher level of critical thinking. (A, CSU-GE, UC, I) (C-ID ENGL 120)

2 CRITICAL READING AND WRITING THROUGH LITERATURE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

Designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH, English 2 will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of fiction and literary criticism. Students will write a minimum of 6,000 words during this course. (A, CSU-GE, UC, I)

2H HONORS CRITICAL READING AND WRITING THROUGH LITERATURE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

Designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH, English 2H will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of fiction and literary criticism. As an Honor's section, this class will employ enhanced teaching methods such as seminar approach and assignments calling for a higher level of critical thinking. Students will be required to write a minimum of 6,000 words. (A, CSU-GE, UC, I)

3 CRITICAL READING AND WRITING

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

Designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH, English 3 will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of non-fiction in a variety of media. Students will write a minimum of 6,000 words during the course of the semester.. (A, CSU-GE, UC, I) (C-ID ENGL 105)

3H HONORS CRITICAL READING AND WRITING

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH and acceptance into the Honors Program.

Designed to develop critical thinking, researching, reading, and writing skills beyond the level achieved in English 1A/1AH, English 3H will focus on the development of logical reasoning and analytical and argumentative writing skills based primarily on works of non-fiction. Students will analyze classical and contemporary essays and synthesize critical research. As an Honor's section, this class will employ enhanced teaching methods such as seminar approach and assignments calling for a higher level of critical thinking and a deeper level of research. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I) (C-ID ENGL 105)

11 ACADEMIC READING AND CRITICAL THINKING

.5-3 units, .5-3 lecture hours

.5 unit, .5 lecture hour; 1 unit, 1 lecture hour; 1.5 units, 1.5 lecture hours; 2 units, 2 lecture hours; 2.5 units, 2.5 lecture hours; 3 units, 3 lecture hours

This is a college-level course designed to introduce students to critical thinking as critical reading in academic discourse. Students will analyze, interpret, critically evaluate, and advocate ideas. This course covers literal and critical thinking levels of academic reading, and it is designed in modules focusing on specific academic reading themes, content areas, and strategies. This is a variable-unit course, and students may take from 0.5 to 3 units. This course can be taken in conjunction with any college course where students read, analyze, and evaluate academic texts.. (A, CSU)

15A CREATIVE WRITING: POETRY

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A course intended for students who enjoy reading and writing poetry. In this course, students will study poems by professional writers and fellow students and use what they learn to write their own original poetry. The strongest poems written in this class are often recommended for publication in Reedley College's literature journal, Symmetry. (A, CSU, UC) (C-ID ENGL 200: ENGL 15A & ENGL 15B)

15B CREATIVE WRITING: FICTION

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

English 15B is intended for students who are interested in writing short fiction; the course includes appropriate exercises, readings and critical analyses of published and student work. (A, CSU, UC) (C-ID ENGL 200: ENGL 15A & ENGL 15B)

15E CREATIVE WRITING: NON-FICTION

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A workshop course intended for students who are interested in writing creative non-fiction; includes appropriate exercises, readings and analyses of published and student work. (A, CSU, UC)

15F CREATIVE WRITING: SCREENWRITING

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A workshop course intended for students who are interested in writing for the screen; includes appropriate exercises, readings, viewing, and critical analyses of professional and student work. (A, CSU, UC)

15J LITERARY JOURNAL PUBLICATION

3 units, 1.5 lecture hours, 5 lab hours

ADVISORIES: English 15A, 15B, 15E, or 15F.

This course focuses on developing and using literary and professional skills to solicit and select creative submissions from primarily outside of the college, designing and producing the college's professional literary journal. This hands-on course emphasizes development of craft while introducing basics of editing others' manuscripts and preparing them for publication in digital and printed forms. Students will maintain a website and a social media presence for the journal. Students with creative writing or art backgrounds will benefit from participating in creating and maintaining a literary community. As such, students are encouraged to continue study in literature and languages as well as other creative writing courses. (A, CSU, UC)

36 WOMEN'S LITERATURE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

This course is a survey of literature by women: fiction, drama, poetry, biography, and essay and covers multicultural and international literature from classical to contemporary periods, as well as feminist and gender theory. (A, CSU-GE, UC, I)

41 THEMES IN LITERATURE

4 units, 4 lecture hours

PREREQUISITES: English 1A or 1AH.

English 41 explores themes, authors, or genres through close readings, contextual approaches, interpretations, and critical evaluations. The subject will vary with the instructor (for example, the instructor may choose a thematic organization such as "Rites of Passage in the American Consciousness" or the "The Detective as Hero"; focus on a particular author such as Emily Dickinson or Carlos Fuentes; or a genre such as popular literature or science fiction). (A, CSU, UC)

43A AMERICAN LITERATURE: ORIGINS THROUGH RECONSTRUCTION (1877)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

Readings in American literature from the Colonial period through Reconstruction. Fiction, poetry, and non-fiction will be placed into their historical and philosophical contexts. Discussion and written responses are based on the reading. (A, CSU-GE, UC, I) (C-ID ENGL 130)

43B AMERICAN LITERATURE: 1877 TO PRESENT

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

Analysis and study of fiction, drama, poetry, non-fiction, film, advertising, and ephemera of the United States from the Reconstruction to present day. (A, CSU-GE, UC, I) (C-ID ENGL 135)

44A WORLD LITERATURE TO THE RENAISSANCE

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

This course is a survey of selected works in translation and in English of world literature from antiquity to the Renaissance. (A, CSU-GE, UC, I) (C-ID ENGL-140)

44B WORLD LITERATURE SINCE THE RENAISSANCE

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

This course is a survey of the most enduring fiction, drama, and poetry in the world from the Renaissance to the present. (A, CSU-GE, UC, I) (C-ID ENGL 145)

46A ENGLISH LITERATURE TO 1800

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A study of significant voices in English literature from the early epic through the Eighteenth Century. Fiction, poetry, drama, and non-fiction will be placed into their historical and philosophical contexts. (A, CSU-GE, UC, I) (C-ID ENGL 160)

46B ENGLISH LITERATURE FROM 1800 TO THE PRESENT

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A study of significant voices in English literature from the end of the Eighteenth Century into the Twentieth Century. Fiction, poetry, drama, and non-fiction will be placed into their historical and philosophical contexts. (A, CSU-GE, UC, I) (C-ID ENGL 165)

47 SHAKESPEARE

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

The plays and sonnets of William Shakespeare are studied and analyzed in their historical and cultural contexts for an appreciation of the dramatic art and poetry. (A, CSU-GE, UC, I)

49 LATINO & CHICANO LITERATURE

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

Short stories, poems, plays, novels, essays of Latino and Chicano writers are studied and analyzed for appreciation and understanding of the literature, culture, and history. (A, CSU-GE, UC, I)

72 READING AND WRITING CENTER THEORY AND PRACTICE

1 unit, 1 lecture hour, .5 lab hour

COREQUISITES: Completion of or concurrent enrollment in English 1A is recommended.

This course provides instruction and guided practice in peer learning assistance. The course is intended for those interested in helping students with reading assignments and written compositions while also enhancing their own reading and writing skills and for students intending to enter the field of education. Reader-based feedback and active learning strategies are practiced. Areas for study include learning theory, reading theory, composition theory, collaboration learning, writing centers, reading and writing across the curriculum. Attention is also given to working with special populations including the Deaf and ESL students. Tutors are also trained in Mental Health First Aid and LGBTQ Safe Space issues. (A, CSU)

72A ADVANCED READING AND WRITING CENTER THEORY AND PRACTICE

1 unit, 1 lecture hour, .5 lab hour

PREREQUISITE: English 72.

This course provides instruction and guided practice in peer tutoring strategies focusing on the special needs of various types of student readers and writers: ESL and international students, students with learning disorders and learning style differences, online students, and students with discipline-specific reading and writing needs. Specialized reader-based feedback and active learning strategies are practiced. (A, CSU)

74 CHILDREN'S LITERATURE

3 units, 3 lecture hours

PREREQUISITE: English 1A or 1AH

This course is a survey of children's literature (infant to age 11) of different literary genres and cultures. The course examines children's literature from various time periods and geographical and cultural points of reference. Additionally, the course stresses multicultural elements and ethnic writers as it emphasizes the importance of diverse literature on psychological, sociological, and cultural growth of American college students and children in general. The distinguishing elements of different literary genres and methods used to analyze literature of any genre will also be covered. (A, CSU, UC)

75 YOUNG ADULT LITERATURE

3 units, 3 lecture hours

PREREQUISITE: English 1A or 1AH.

This course is a survey of young adult literature (ages 12 to 18) of different literary genres and from different cultures. The course examines young adult literature from various time periods and geographical and cultural points of reference. Additionally, students will explore the various genres and issues relevant to young adult reading. Texts will be analyzed from a variety of psychological, moral, literary, and other developmental perspectives. The distinguishing elements of different literary genres and methods used to analyze literature of any genre will also be covered. (A, CSU, UC)

105 GRAMMAR AND PUNCTUATION

2 units, 2 lecture hours, 1 lab hour, pass/no pass

The course provides a deeper understanding of grammar and sentence structure. Students move from learning the parts of speech to critical analysis of longer, more complex sentence structures. Furthermore, the course assists students in applying grammar skills to their own writing. This course is recommended for students who are struggling with grammar and/or punctuation, or for students who want a review of these areas because they are going into majors or careers with a heavy writing focus, such as education, business, or pre-law. (A)

132 ACCELERATED READING AND WRITING

5 units, 5 lecture hours

In this course, students will develop academic reading and writing skills and processes. Students will develop basic reading skills into college-level proficiencies in vocabulary usage, literal comprehension, and analytical and critical comprehension. Students will use readings to enhance their writing skills and to learn how to integrate and document sources. Students will also develop the process of writing, revising, and finishing essays, which includes the logical development and organization of ideas. Emphasis will be on expository reading and writing. This course prepares students for English 1A. (A)

205 STRATEGIC SKILLS FOR SUCCESS IN ENGLISH

2 units, 2 lecture hours, pass/no pass

COREQUISITES: English 1A or 1AH.

This course will be taught in conjunction with English 1A College Reading and Writing so that students can further their critical reading and writing skills for their English 1A course. Course will include assignments linked to and building on the English 1A coursework.

272 ASSISTANCE IN COLLEGE READING AND WRITING

.5-1 unit, 1.5-3 lab hours, pass/no pass only

This course is intended for any student requiring help with reading assignments and written compositions in any discipline. The course will provide intensive assistance in reading, writing, and critical thinking. Students will develop, improve, and refine compositions and academic reading skills to sustain focus, and employ analysis, reflection, organization, and logical structure. All stages of the reading and writing process are practiced.

305 STRATEGIC SKILLS FOR SUCCESS IN ENGLISH

0 units, 2 lecture hours, pass/no pass only, unlimited repeats

COREQUISITE: English 1A or 1AH.

This course will be taught in conjunction with English 1A College Reading and Writing so that students can further their critical reading and writing skills for their English 1 A course. Course will include assignments linked to and building on the English 1A coursework.

315A CREATIVE WRITING: POETRY

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

A course intended for students who enjoy reading and writing poetry. In this course, students will study poems by professional writers and fellow students and use what they learn to write their own original poetry. The strongest poems written in this class are often recommended for publication in Reedley College's literature journal, Symmetry. This course is intended for older adults to maintain and improve self-expression through creative writing with an emphasis placed on poetry.

315B CREATIVE WRITING: FICTION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

English 315B is intended for older adults who are interested in maintaining and improving self-expression through creative writing with an emphasis placed on short fiction; the course includes appropriate exercises, readings and critical analyses of published and student work.

315E CREATIVE WRITING: NON-FICTION

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

A workshop course intended for older adults to maintain and improve self-expression through creative writing with an emphasis placed on non-fiction; includes appropriate exercises, readings and analyses of published and student work.

315F CREATIVE WRITING: SCREENWRITING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

A workshop course intended for older adults to maintain and improve self-expression through creative writing with an emphasis placed on writing for the screen; includes appropriate exercises, readings, viewing, and critical analyses of professional and student work.

383 WRITING YOUR LIFE STORIES

0 units, 2 lecture hours, pass/no pass only, unlimited repeats

This course engages students in the process of composing meaningful and engaging life stories, including identifying and reflecting on themes, locating records and memory treasures, and writing and other forms of life review. Participants with ongoing memoir writing projects are welcome as well as those who are just beginning and would like direction and guidance. This course is intended for older adults.

ENGLISH AS A SECOND LANGUAGE (ESL)

14 HIGH-INTERMEDIATE ACADEMIC READING AND WRITING

6 units, 6 lecture hours, pass/no pass

ADVISORIES: Placement through an approved multiple-measure process.

ESL 14 is an integrated reading and writing course designed for multilingual students to develop academic literacy skills at the high-intermediate level. Students explore themes in various texts employing reading strategies with the purpose of developing and supporting theses in multiple-draft, source-based expository essays. This course provides language support and a lens for cultural insight for multilingual students. Successful completion of this course will prepare students for ESL 15 or ESL 315. (A, CSU-GE, UC)

15 ADVANCED ACADEMIC READING AND WRITING

6 units, 6 lecture hours, pass/no pass

ADVISORIES: Placement through an approved multiple-measure process.

Students explore themes encountered in college classes through critical reading and writing. Students evaluate authentic, college-level texts, including academic, technical, and literary works. Students develop and support their theses in multiple-draft, source-based expository essays in academic English. This course provides language support and a lens for cultural insight for multilingual students. Successful completion of this course will prepare students for English 1A. (A, CSU-GE, UC)

115G ADVANCED ACADEMIC GRAMMAR (FORMERLY ESL 117G)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: ESL 214G or ESL 314G, or placement through an approved multiple-measure process.

ESL 115G is an advanced grammar skills course designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken to strengthen student performance in other ESL, English, or collegiate level courses.

210 LOW-BEGINNING READING, WRITING, AND GRAMMAR (FORMERLY ESL 260)

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: Placement through an approved multiple-measure process.

ESL 210 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the low-beginning level. Students learn how to write sentences using basic grammatical structures. Students develop vocabulary by reading about life skills, the work place, and everyday situations. This course may be taken concurrently with other ESL 210-level courses. Successful completion of this course will prepare students for ESL 211 or ESL 311.

210LS LOW-BEGINNING LISTENING AND SPEAKING (FORMERLY ESL 260LS)

6 units, 6 lecture hours, pass/no pass only

Placement through an approved multiple-measure process.

ESL 210LS is a listening and speaking course for ESL students who want to develop oral language skills at the low-beginning level.

Students learn to converse on everyday topics, using basic phrases and sentences. ESL 210LS is the lowest level in the ESL sequence. This course may be taken concurrently with other ESL 210-level courses. Students who successfully complete this course will be prepared for ESL 211LS or ESL 311LS.

211 HIGH-BEGINNING READING, WRITING, AND GRAMMAR (FORMERLY ESL 261I)

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: ESL 210 or ESL 310, or placement through an approved multiple-measure process.

ESL 211 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the high-beginning level. Students learn to write basic paragraphs on familiar topics. Students increase reading comprehension and vocabulary by reading stories, articles, and novels on various high interest topics and themes. This course may be taken concurrently with other ESL 211-level courses. Successful completion of this course will prepare students for ESL 212 or ESL 312.

211LS HIGH-BEGINNING LISTENING AND SPEAKING (FORMERLY ESL 261LS)

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: English as a Second Language 210LS or 310LS or placement through a multiple-measure process.

ESL 211LS is a listening and speaking course for ESL students who want to develop oral language skills at the high-beginning level. Students learn to communicate on personal and workplace topics, expressing ideas in a series of phrases and sentences. This course may be taken concurrently with other ESL 211-level courses. Successful completion of this course will prepare students for ESL 212LS or ESL 312LS.

212 LOW-INTERMEDIATE READING, WRITING, AND GRAMMAR (FORMERLY ESL 264)

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: ESL 211 or ESL 311, or placement through an approved multiple-measure process.

ESL 212 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the low-intermediate level. Students learn to write organized paragraphs on familiar topics. Students increase reading comprehension and vocabulary by reading stories, articles, and novels on various high interest topics and themes. This course may be taken concurrently with other ESL 212-level courses. Successful completion of this course will prepare students for ESL 213 or ESL 313.

212LS LOW-INTERMEDIATE LISTENING AND SPEAKING (FORMERLY ESL 264LS)

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: ESL 211LS or ESL 311LS or placement through a multiple-measure process.

ESL 212LS is a listening and speaking course for ESL students who want to develop oral language skills at the low-intermediate level. Students learn to exchange information on a variety of common topics, expressing ideas in an extended series of phrases and sentences. This course may be taken concurrently with other ESL 212-level courses. Successful completion of this course will prepare students for ESL 213LS or ESL 313LS.

213 INTERMEDIATE ACADEMIC READING AND WRITING

6 units, 6 lecture hours, pass/no pass only

ADVISORIES: English as a Second Language 212 or placement through an approved multiple-measure process.

ESL 213 is an integrated reading and writing course designed for multilingual students to develop academic literacy skills at the intermediate level. Students strengthen their knowledge of an academic paragraph and develop basic essays. Students learn and apply reading and language strategies that prepare them to be independent learners. Successful completion of this course will prepare students for ESL 14 or ESL 314.

213G INTERMEDIATE ACADEMIC GRAMMAR (FORMERLY ESL 266G)

3 units, 3 lecture hours, pass/no pass only

ADVISORIES: ESL 212 or ESL 312, or placement through an approved multiple-measure process

ESL 213G is an intermediate grammar skills course designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken concurrently with other ESL courses to strengthen student academic performance. Successful completion of this course will prepare students for ESL 214G or ESL 314G.

213LS INTERMEDIATE LISTENING AND SPEAKING (FORMERLY ESL 266LS)

3 units, 3 lecture hours, pass/no pass only

ADVISORIES: ESL 212LS or ESL 312LS, or placement through a multiple-measure process.

ESL 213LS is a listening and speaking course for ESL students who want to develop oral language skills at the intermediate level. Students learn to comprehend extended spoken discourse and lectures, and learn to give explanations and opinions on a variety of common academic topics. This course may be taken concurrently with other ESL 213-level courses. Successful completion of this course will prepare students for ESL 214LS or ESL 314LS.

214G HIGH-INTERMEDIATE ACADEMIC GRAMMAR (FORMERLY ESL 227G)

3 units, 3 lecture hours, pass/no pass only

ADVISORIES: ESL 213G or ESL 313G, or placement through an approved multiple-measure process

ESL 214G is a high-intermediate grammar skills course designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken concurrently with other ESL courses to strengthen student academic performance. Successful completion of this course will prepare students for ESL 215G or ESL 315G.

214LS HIGH-INTERMEDIATE ACADEMIC LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only

ADVISORIES: ESL 213LS or ESL 313LS, or placement through a multiple-measure process.

ESL 214LS is a listening and speaking course for ESL students who want to develop oral language skills at the high-intermediate level. Students learn to comprehend authentic lectures, talks and reports and effectively express ideas and points of view in spoken English on a variety of common academic topics. This course may be taken concurrently with other ESL 214-level courses. Successful completion of this course will prepare students for ESL 215LS or ESL 315LS.

215LS ADVANCED ACADEMIC LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass

ADVISORIES: ESL 214LS or ESL 314LS, or placement through a multiple-measure process.

ESL 215LS is a listening and speaking course for ESL students who want to develop oral language skills at the advanced level. Students learn to comprehend sophisticated, authentic lectures, talks and reports and exchange complex information using effective, fluent and spontaneous spoken English on a variety of common academic topics. This course may be taken concurrently with other ESL 215-level courses.

310 LOW-BEGINNING READING, WRITING, AND GRAMMAR (FORMERLY ESL 360)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Placement through an approved multiple-measure process.

ESL 310 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the low-beginning level. Students learn how to write sentences using basic grammatical structures. Students develop vocabulary by reading about life skills, the work place, and everyday situations. This course may be taken concurrently with other ESL 210-level courses. Successful completion of this course will prepare students for ESL 211 or ESL 311.

310LS LOW-BEGINNING LISTENING AND SPEAKING (FORMERLY ESL 360LS)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Placement through an approved multiple-measure process.

ESL 310LS is a listening and speaking course for ESL students who want to develop oral language skills at the low-beginning level. Students learn to converse on everyday topics, using basic phrases and sentences. ESL 310LS is the lowest level in the ESL sequence. This course may be taken concurrently with other ESL 210-level courses. Students who successfully complete this course will be prepared for ESL 211LS or ESL 311LS.

311 BEGINNING READING, WRITING, AND GRAMMAR (FORMERLY ESL 361I)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 210 or ESL 310, or placement through an approved multiple-measure process.

ESL 311 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the high-beginning level. Students learn to write basic paragraphs on familiar topics. Students increase reading comprehension and vocabulary by reading stories, articles, and novels on various high interest topics and themes. This course may be taken concurrently with other ESL 311-level courses. Successful completion of this course will prepare students for ESL 212 or ESL 312.

311A HIGH-BEGINNING ESL 1

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through a multiple-measure process.

ESL 311A is the first in a series of ESL classes for students who want develop English languages kills and vocabulary at the high-beginning level. Students learn by listening to and speaking about familiar and workplace topics, and expressing ideas in writing.

311B HIGH-BEGINNING ESL 2

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through a multiple-measure process.

ESL 311B is the second in a series of ESL classes for students who want develop English language skills and vocabulary at the high-beginning level. Students learn by listening to and speaking about familiar and workplace topics, and expressing ideas in writing.

311C HIGH-BEGINNING ESL 3

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through a multiple-measure process.

ESL 311C is the third in a series of ESL classes for students who want develop English languages kills and vocabulary at the high-beginning level. Students learn by listening to and speaking about familiar and workplace topics, and expressing ideas in writing.

311D HIGH-BEGINNING ESL 4

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through a multiple-measure process.

ESL-311D is the fourth in a series of ESL classes for students who want develop English language skills and vocabulary at the high-beginning level. Students learn by listening to and speaking about familiar and workplace topics, and expressing ideas in writing.

311LS HIGH-BEGINNING LISTENING AND SPEAKING (FORMERLY ESL 361LS)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English as a Second Language 210LS or 310LS or placement through a multiple-measure process.

ESL 311LS is a listening and speaking course for ESL students who want to develop oral language skills at the high-beginning level. Students learn to communicate on personal and workplace topics, expressing ideas in a series of phrases and sentences. This course may be taken concurrently with other ESL 311-level courses. Successful completion of this course will prepare students for ESL 212LS or ESL 312LS.

312 LOW-INTERMEDIATE READING, WRITING, AND GRAMMAR (FORMERLY ESL 364)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 211 or ESL 311, or placement through an approved multiple-measure process.

ESL 312 is an integrated reading, writing, and grammar course designed for ESL students to develop literacy skills at the low-intermediate level. Students learn to write organized paragraphs on familiar topics. Students increase reading comprehension and vocabulary by reading stories, articles, and novels on various high interest topics and themes. This course may be taken concurrently with other ESL 312-level courses. Successful completion of this course will prepare students for ESL 213 or ESL 313.

312LS LOW-INTERMEDIATE LISTENING AND SPEAKING (FORMERLY ESL 364LS)

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 211LS or ESL 311LS or placement through a multiple-measure process.

ESL 312LS is a listening and speaking course for ESL students who want to develop oral language skills at the low-intermediate level. Students learn to exchange information on a variety of common topics, expressing ideas in an extended series of phrases and sentences. This course may be taken concurrently with other ESL 312-level courses. Successful completion of this course will prepare students for ESL 213LS or ESL 313LS.

313 INTERMEDIATE ACADEMIC READING AND WRITING

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English as a Second Language 212 or 312.

ESL 313 is an integrated reading and writing course designed for multilingual students to develop academic literacy skills at the intermediate level. Students strengthen their knowledge of an academic paragraph and develop basic essays. Students learn and apply reading and language strategies that prepare them to be independent learners. Successful completion of this course will prepare students for ESL 14 or ESL 314.

313G INTERMEDIATE ACADEMIC GRAMMAR (FORMERLY ESL 366G)

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 212 or ESL 312, or placement through an approved multiple-measure process.

ESL 313G is an intermediate grammar skills course designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken concurrently with other ESL courses to strengthen student academic performance. Successful completion of this course will prepare students for ESL 214G or ESL 314G.

313LS HIGH-INTERMEDIATE ACADEMIC LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 213LS or ESL 313LS, or placement through a multiple-measure process.

ESL 314LS is a listening and speaking course for ESL students who want to develop oral language skills at the high-intermediate level. Students learn to comprehend authentic lectures, talks and reports and effectively express ideas and points of view in spoken English on a variety of common academic topics. This course may be taken concurrently with other ESL 314-level courses. Successful completion of this course will prepare students for ESL 215LS or ESL 315LS.

314 HIGH-INTERMEDIATE ACADEMIC READING AND WRITING

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 314 is an integrated reading and writing course designed for multilingual students to develop academic literacy skills at the high-intermediate level. Students explore themes in various texts employing reading strategies with the purpose of developing and supporting theses in multiple-draft, source-based expository essays. This course provides language support and a lens for cultural insight for multilingual students. Successful completion of this course will prepare students for ESL 15 or ESL 315.

314G HIGH-INTERMEDIATE ACADEMIC GRAMMAR (FORMERLY ESL 327G)

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 213G or ESL 313G, or placement through an approved multiple measure process.

ESL 314G is a high-intermediate grammar skills courses designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken concurrently with other ESL courses to strengthen student academic performance. Successful completion of this course will prepare students for ESL 215G or ESL 315G.

314LS HIGH-INTERMEDIATE ACADEMIC LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 213LS or ESL 313LS, or placement through an approved multiple measure process.

ESL 314LS is a listening and speaking course for ESL students who want to develop oral language skills at the high-intermediate level. Students learn to comprehend authentic lectures, talks and reports and effectively express ideas and points of view in spoken English on a variety of common academic topics. This course may be taken concurrently with other ESL 314-level courses. Successful completion of this course will prepare students for ESL 215LS or ESL 315LS.

315 ADVANCED ACADEMIC READING AND WRITING

0 units, 6 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

Students explore themes encountered in college classes through critical reading and writing. Students evaluate authentic, college-level texts, including academic, technical, and literary works. Students develop and support their theses in multiple-draft, source-based expository essays in academic English. This course provides language support and a lens for cultural insight for multilingual students. Successful completion of this course will prepare students for English 1A.

315G ADVANCED ACADEMIC GRAMMAR (FORMERLY ESL 317G)

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 214G or ESL 314G, or placement through an approved multiple-measure process.

ESL 315G is an advanced grammar skills course designed for multilingual students who want to comprehend and use grammar structures in written and spoken academic English. This course may be taken to strengthen student performance in other ESL, English, or collegiate level courses.

315LS ADVANCED ACADEMIC LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: ESL 214LS or ESL 314LS, or placement through a multiple-measure process.

ESL 315LS is a listening and speaking course for ESL students who want to develop oral language skills at the advanced level. Students learn to comprehend sophisticated, authentic lectures, talks and reports and exchange complex information using effective, fluent and spontaneous spoken English on a variety of common academic topics. This course may be taken concurrently with other ESL 315-level courses. This course may be taken concurrently with other ESL 315-level courses.

ENVIRONMENTAL HORTICULTURE (EH)

30 PRINCIPLES OF ENVIRONMENTAL HORTICULTURE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Eligibility for Mathematics 201.

A general course in environmental horticulture with emphasis on nursery operations, landscaping, turf management, and floral industries. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, floral design, plant identification, turfgrass installation and care, and survey of career opportunities. (A, CSU, UC)

35 FLORAL DESIGN

1 unit, .5 lecture hours, 1.5 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

Introduction to floral design including the principles and elements of design, color theory, preparation, care of flowers and foliage plants, and formation of basic floral arrangements. (A, CSU)

37 BEGINNING FLORAL DESIGN

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Eligibility for Mathematics 201.

An introduction to the fundamentals of theory, techniques and skills currently practiced in the floral industry. Includes applied art principles, cut flower care, handling practices, proper use of florist tools and materials, pricing of floral products and use of current floral business technology. Includes constructing corsages, floral arrangements, and foliage plant items, which meet floral industry standards. (A, CSU)

43 PLANT PROPAGATION/PRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Eligibility for Mathematics 201.

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. (A, CSU) (C-ID AG - EH 116L)

48 LANDSCAPE DESIGN

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Eligibility for Mathematics 201.

The study and implementation of the art and science of landscape design, including principles of design, the design process, drafting, graphics, and presentation methods. Project emphasis is placed upon residential and small commercial sites. (A, CSU)

337 BEGINNING FLORAL DESIGN

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, 4 repeats

ADVISORIES: ENGL 1A or ENGL 1AH.

This course is an introduction to the fundamentals of theory, techniques and skills currently practiced in the floral industry. Includes applied art principles, cut flower care, handling practices, proper use of florist tools and materials, pricing of floral products and use of current floral business technology. Includes constructing corsages, floral arrangements, and foliage plant items, which meet floral industry standards.

383 HOME FOOD PRODUCTION

0 units, 3 lab hours, pass/no pass only, unlimited repeats

The planting, growing, harvesting, and processing methods for various food crops including fruit trees, berry vines, perennial and annual edible plants used in the landscape.

384 ORNAMENTAL & VEGETABLE GARDENING PROJECTS

0 units, 3 lab hours, pass/no pass only, unlimited repeats

Application of skills in the following landscape horticulture areas: general gardening, vegetable, greenhouse, ornamentals, etc. Individual projects to be determined by student interest in consultation with instructor.

ETHNIC STUDIES (ETHNST)

1 INTRODUCTION TO ETHNIC STUDIES

3 units, 3 lecture hours

ADVISORIES: English 1A.

Interdisciplinary examination of race, ethnicity, racism, and racial and ethnic identity in U.S. society. Introduction to key concepts in Comparative Ethnic Studies, such as how race and racism intersect with gender, sexuality, religion, national origin, ability, immigration status, language, tribal membership, etc. Emphasis on comparative analysis and exploration of the intertwined histories of racial and ethnic groups within the U.S., institutional racism, resistance against racism, solidarity across racial and ethnic lines, and social and racial justice movements. (A, CSU-GE, UC)

5 AFRICAN PEOPLE IN THE NEW WORLD

3 units, 3 lecture hours, pass/no pass
(See also History 5)

ADVISORIES: English 1A or 1AH.

This course provides a survey of the historical contributions of African people in South America, Central America, the Caribbean and the United States from the 16th century to the present. (A, CSU-GE, UC, I)

32 HISTORY OF THE MEXICAN AMERICAN PEOPLE

3 units, 3 lecture hours, pass/no pass
(See also History 32)

ADVISORIES: English 1A or 1AH.

This course traces the history of the Mexican American people from the pre-Columbian era to the present. Topics covered include the indigenous origins of Mexican society, the Spanish colonial period, the Spanish and Mexican roots of the contemporary American Southwest, and the role played by Mexican Americans in the social, economic, political, and cultural development of the United States from the Mexican War (1846-1848) to the present. (A, CSU-GE, UC, I)

302 EXPLORING CULTURAL CONSCIOUSNESS AND EQUITY MINDEDNESS

0 units, .5 lecture hours, pass/no pass only, unlimited repeats

This course is designed to increase individuals' cultural consciousness and to explore best practices for interaction with diverse coworkers, customers, and others inside and outside of the workplace.

FILM (FILM)

1 INTRODUCTION TO FILM STUDIES

3 units, 3 lecture hours

A course demonstrating the uses of photography, editing, and sound in the telling of film stories; it will explore film and social issues, filmic meaning, and the main issues of film theory and criticism. (A, CSU-GE, UC, I)

2A HISTORY OF CINEMA: 1895-1960

3 units, 3 lecture hours

This course provides a survey of significant moments in the creation, delivery, reception, and influence of cinema from the 1890's to 1960. Instruction will include the origins of film technology and its increasing usefulness for narrative, historical documentary, and political argument or indoctrination, and aesthetics. Analysis will include the discovery of how technology, society, public taste, history and social concerns shaped the medium. (A, CSU-GE, UC, I)

2B HISTORY OF CINEMA: 1960 TO PRESENT

3 units, 3 lecture hours

This course is a survey of significant films and advances in the creation, reception and influence of cinema from 1960 to the present. Instruction will include the international reach and commercial success of the film industry, the hegemony of Western film, the maintenance and the re-tooling of Hollywood as a labor force from the Classical period to the present. Also, this course charts the filmic conventions and advancements of narrative and documentary film, and how film is used as a political argument or as indoctrination. Analyses will include varying film criticisms from feminist to Marxist to reception theory, among others. (A, CSU-GE, UC, I)

FLIGHT SCIENCE (FLGHT)

101 PRIVATE PILOT 1 GROUND SCHOOL

4 units, 3 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This lecture and lab course provides the first of two parts of the aeronautical knowledge needed to earn a private pilot certificate. Some of the topics covered include principles of flight, aerodynamics, aircraft controls, engine systems, and Federal Aviation Regulations applicable to flying under visual flight rules. (A)

102 AVIATION HISTORY

2 units, 2 lecture hours

The Aviation History lecture course provides a historical view of aviation from the 1700's through the modern era. Some of the topics covered will include Early Aviation, The Wright Brothers, Early Flight, World War I, Peace Time Aviation, Golden Age of Aviation, World War II, Cold War, Space Age Aviation, and Modern Aerospace. (A)

103 CAREERS IN AVIATION

2 units, 2 lecture hours

The Careers in Aviation lecture course provides an understanding of the available careers in aviation. Topics discussed in the course will include Air Transport Pilot, Charter Pilot, Flight Instructor, Aircraft Mechanic, Airport Management, Fixed Base Operations, Air Traffic Controller, and Airport Operations. (A)

104 REMOTE PILOT GROUND SCHOOL FOR SMALL UNMANNED AIRCRAFT SYSTEMS (SUAS)

1 unit, 1 lecture hour, .5 lab hours, pass/no pass

This course provides training for individuals seeking a Remote Pilot certificate to fly small Unmanned Aircraft Systems (sUAS) also known as drones. A certificated Remote Pilot may fly drones for compensation. This course will prepare students to take the written examination required for certification and provide basic experience in actual flight operations. Some of the topics covered will include applicable regulations relating to sUAS, airspace classification and operating requirements, the effects of weather on performance, loading and performance, emergency procedures, maintenance and inspections, and flying procedures. (A)

105 PRIVATE PILOT 1 FLIGHT LAB

1 unit, 3 lab hours

COREQUISITES: Flight 101 and 107. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is the first of two portions of the flight training required to earn the Private Pilot Certificate. Some of the topics covered are fundamental flight maneuvers, performance maneuvers, and development of aeronautical decision making skills. Prior to the first day of class, students must hold a valid 3rd Class or higher FAA medical certificate. Students must also be able to read, speak, write, and understand the English language. Prior to beginning flight training, students must 1) provide TSA proof of Flight Training Eligibility and 2) receive an Airport Identification Badge from Fresno Yosemite International Airport. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

106 PRIVATE PILOT 2 FLIGHT LAB

1.5 units, 4.5 lab hours

PREREQUISITE: Flight Science 105. COREQUISITES: Flight Science 108 and 109.

This course provides advanced flight training for individuals seeking to increase flight proficiency in preparation for Private Pilot Certification. Some of the topics covered will be fundamental flight maneuvers, performance maneuvers, use of navigation aids, cross country flying, and development of aeronautical decision making skills to the FAA Practical Test Standards. Students must hold a valid 3rd class (or higher) FAA medical certificate and a valid Fresno-Yosemite Airport ID Badge for the duration of this course. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

107 PRIVATE PILOT 1 SIMULATION LAB

.5 unit, 2 lab hours

COREQUISITES: Flight Science 101.

This course is an introduction to private pilot flight training through the use of simulation. Students will practice pre-solo airplane pilot flight maneuvers using Aviation Training Devices (simulators). (A)

108 PRIVATE PILOT 2 GROUND SCHOOL

4 units, 3 lecture hours, 3 lab hours

PREREQUISITE: Flight Science 101.

This lecture and lab course provides the second portion of the aeronautical knowledge required to earn a private pilot airplane certificate. Some of the topics covered include basic weather and weather services for pilots, navigation, radio communication, and human factors. (A)

109 PRIVATE PILOT 2 SIMULATION LAB

.5 unit, 2 lab hours

PREREQUISITES: Flight Science 107. COREQUISITES: Flight Science 108.

This is the second course using simulation for private pilot flight training. Students will practice post-solo airplane pilot maneuvers in Aviation Training Devices (simulators). Topics covers include cross country navigation and advanced flight maneuvers for the private pilot. (A, CSU)

111 INSTRUMENT RATING GROUND SCHOOL

5 units, 4 lecture hours, 3 lab hours

PREREQUISITE: Flight Science 108.

This lecture and lab course covers the aeronautical knowledge required to earn an instrument rating. Some of the topics covered will include principles of instrument flight, flight instruments, instrument navigation systems, IFR departure-enroute-arrival procedures, analyzing weather information and conditions, IFR flight planning, and IFR emergency procedures. (A)

112 ADVANCED NAVIGATION

2 units, 2 lecture hours

PREREQUISITES: Flight 101. ADVISORIES: Eligibility for Mathematics 201.

Advanced Navigation provides classroom training for individuals seeking a greater understanding of navigation concepts and techniques. Some topics covered during the course are flight planning, radio aids, radar navigation, and celestial navigation. (A)

113 ADVANCED METEOROLOGY

2 units, 2 lecture hours

PREREQUISITE: Flight 101. ADVISORIES: Mathematics 201.

This lecture and lab course is designed to provide an in depth look at weather and how weather relates to aviation. Some topics of discussion will be weather basics, circulation systems, weather hazards, and applying weather knowledge. This course will prepare the student for more advanced levels of aviation training. (A)

115 INSTRUMENT RATING FLIGHT LAB

2 units, 6 lab hours

PREREQUISITES: Flight Science 125. COREQUISITES: Flight Science 111 and 117.

This laboratory course provides flight training for individuals seeking an Instrument Pilot Rating. Some of the topics covered will include principles of instrument flight, flight instruments, instrument navigation systems, IFR departure-enroute-arrival procedures, analysis of weather information and conditions, IFR flight planning, and IFR emergency procedures. Students must hold a valid 3rd class (or higher) FAA medical certificate and a valid Fresno-Yosemite Airport ID Badge for the duration of this course. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

117 INSTRUMENT RATING SIMULATION LAB

.5 unit, 2 lab hours

PREREQUISITES: Flight Science 109. COREQUISITES: Flight Science 111.

This course is an introduction to instrument flight training via the use of simulation. Students will practice flight lessons in Aviation Training Devices (simulators) that apply to instrument flight. (A)

121 COMMERCIAL PILOT GROUND SCHOOL

5 units, 4 lecture hours, 3 lab hours

PREREQUISITE: Flight Science 111.

This lecture and lab course provides the aeronautical knowledge required for the commercial airplane pilot certificate. Some of the topics covered include high performance powerplants, environmental and ice control systems, complex aircraft systems, advanced aerodynamics, predicting performance, controlling weight and balance, and Federal Aviation Regulations. FAA written test and flight equipment costs for this course are substantial. (A)

122 FUNDAMENTALS OF AIR TRAFFIC CONTROL

2 units, 2 lecture hours

ADVISORIES: Eligibility for Mathematics 201.

Fundamentals of air traffic control provides a good working knowledge of how and why the air traffic control system works. Fundamentals of air traffic control discusses the history of air traffic control, emphasizing the logic that has guided its development. It also provides current, in-depth information on navigational systems, the air traffic control system structure, control tower procedures, radar separation, national airspace system operation and the FAA's restructured hiring procedures. (A)

123 HUMAN FACTORS & CREW RESOURCE MANAGEMENT

2 units, 2 lecture hours

ADVISORIES: Eligibility for Mathematics 201.

The Human Factors and Crew Resource Management course provides classroom instruction on the various aspects of the human body as it pertains to aviation, along with concepts in Crew Resource Management. Some topics covered will include human anatomy, flight physiology, and crew resource management. (A)

125 COMMERCIAL PILOT 1 FLIGHT LAB

2.5 units, 8 lab hours

PREREQUISITE: Flight Science 106.

This course provides flight training for individuals seeking Commercial Pilot Certification. Some of the topics covered will be commercial flight maneuvers, advanced performance maneuvers, use of navigation aids, long distance cross country flying, and development of advanced aeronautical decision making skills. Students must hold a valid 3rd class (or higher) FAA medical certificate and a valid Fresno-Yosemite Airport ID Badge for the duration of this course. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

126 COMMERCIAL PILOT 2 FLIGHT LAB

2.5 units, 6 lab hours

PREREQUISITE: Flight Science 125. COREQUISITE: Flight Science 121.

This course provides advanced flight training for individuals seeking Commercial Pilot airplane certification. Some of the topics covered are commercial flight maneuvers, advanced performance maneuvers, use of navigation aids, long distance cross country flying, and development of advanced aeronautical decision making skills. Students must hold a valid 3rd class (or higher) FAA medical certificate and a valid Fresno-Yosemite Airport ID Badge for the duration of this course. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

131 FLIGHT INSTRUCTOR GROUND SCHOOL

5 units, 4 lecture hours, 3 lab hours

PREREQUISITE: Flight Science 121.

This lecture and lab course provides ground training for individuals seeking Flight Instructor Certification. Some of the topics covered will be fundamentals of instructing and areas of operations for a private and commercial pilot. (A)

132 ADVANCED AIRCRAFT SYSTEMS & PROPULSION

2 units, 2 lecture hours

ADVISORIES: Eligibility for Mathematics 201

Advanced Aircraft Systems and Propulsion provides knowledge of aircraft engines and related systems, fundamentals of an electrical system, hydraulic and pneumatic aircraft systems, along with aircraft instruments. This course is designed to prepare the student for advanced occupations within the aviation field. (A)

133 FEDERAL AVIATION REGULATIONS

2 units, 2 lecture hours

This course is designed to provide an in depth understanding of the Federal Aviation Regulations and use of the Aeronautical Information Manual. Topics will include pilot certification, operating rules, and the national airspace system. (A)

135 FLIGHT INSTRUCTOR FLIGHT LAB

1.5 units, 4.5 lab hours

PREREQUISITES: Flight Science 126. COREQUISITES: Flight Science 131.

This laboratory course provides flight training for individuals seeking Flight Instructor Certification. Some of the topics covered will be fundamentals of instructing and areas of operations for a private and commercial pilot. Students must hold a valid 3rd class (or higher) FAA medical certificate and a valid Fresno-Yosemite Airport ID Badge for the duration of this course. The cost of this course is substantial. See material fee in the current Schedule of Classes. (A)

145 MULTI-ENGINE PILOT FLIGHT LAB

1 unit, 3 lab hours, pass/no pass only

PREREQUISITES: Flight 105. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course provides flight training for individuals seeking Commercial Multi-Engine Pilot Certification. Some of the topics covered will be commercial flight maneuvers, advanced performance maneuvers, use of navigation aids, long distance cross country flying, and development of advanced aeronautical decision making skills. Issuance of FAA 3rd. Class or higher medical certificate, Airport Identification Card from Fresno Yosemite International Airport, and proof of Flight Training Eligibility will be required. Substantial laboratory fees for aircraft rental and operational costs are also required. (A)

FOODS AND NUTRITION (FN)

35 NUTRITION AND HEALTH

3 units, 3 lecture hours, pass/no pass

Relationship of diet to physical and emotional health: nutrients, diet patterns throughout the life cycle. Optimal nutrition to reduce the risks of cancer, heart disease, allergies, and other diseases. Social, psychological, and cultural dictates which affect food selection and health. Personal strategies to develop a nutrition plan for better health. Designed for students with an interest in Food Services. Not open to students with credit in Foods and Nutrition 40, Nutrition. (A, CSU-GE, UC)

40 NUTRITION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

Nutrients and their ingestion, digestion, absorption, transport, metabolism, interaction, storage, and excretion. The relationship of diet to physical and emotional health, diet patterns through the life cycle, consumer concerns, and recent developments. (A, CSU, UC)

258 WEIGHT CONTROL

1 unit, 1 lecture hour, pass/no pass

Consumption of food for optimal health. Development of physical activity as part of life style. The relationship of weight control to health, causes of obesity, successful weight control techniques, and undesirable weight loss methods.

301 BASIC COOKING TECHNIQUES

0 units, .34 lecture hours, pass/no pass only, unlimited repeats

Students will learn how to prepare food using fresh ingredients and basic cooking techniques. Diverse topics of interest such as personal experiences and cultural traditions, nutrition, consumerism, entertaining, and health and safety will be discussed.

FRENCH (FRENCH)

1 BEGINNING FRENCH

5 units, 5 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This is a beginning course in conversational and written French for non-native speakers; it is intended for students without previous exposure to French. Students will be introduced to the pronunciation, vocabulary, idioms, grammar, basic composition, and they will explore the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING FRENCH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: French 1, or 2 years of high school French or the equivalent. ADVISORIES: English 1A or 1AH.

This is a second-semester course in conversational and written French for non-native speakers. Students will develop grammatical structures, expand their vocabulary, and further study the cultures of France and other Francophone countries and regions. An introduction to the literary text will also be part of this course. (A, CSU-GE, UC, I)

3 INTERMEDIATE FRENCH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: French 2 or 3 years high school French or equivalent. ADVISORIES: English 1A or 1AH.

This is a third-semester course in conversational and written French for non-native speakers. Students will review basic grammar, further develop their oral skills and grammatical structures, and continue to expand their vocabulary. In this course, students will compose and discuss short literary texts. There will be an increased emphasis on reading and writing as tools in exploring the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

4 HIGH-INTERMEDIATE FRENCH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: French 3 or equivalent. ADVISORIES: English 1A or 1AH.

This is a fourth-semester course in conversational and written French for non-native speakers. It continues the development of proficiency of grammar and language usage. Students will further explore current topics and cultures of France and Francophone countries and regions, as reflected in the language and literature. (A, CSU-GE, UC, I)

GEOGRAPHY (GEOG)

5 PHYSICAL GEOGRAPHY: ENVIRONMENTAL CONDITIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH, and Mathematics 103.

This is an examination of the Earth's physical geography and its human environmental relationships. A systematic approach to the study of earth-sun relations, weather, climate, natural vegetation, and global climate change. (A, CSU-GE, UC, I)

6 WORLD REGIONAL GEOGRAPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines all major regions of the world: a study of the physical settings, population patterns, natural resources, and economic and political status of the world's realms. Approach is by continents and/or cultural realms. The course is not open to students with credit in both Geography 40A and Geography 40B. (A, CSU, UC, I) (C-ID GEOG 125)

9 PHYSICAL GEOGRAPHY: LAND FORMATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH, and Mathematics 103 .

This course is a survey of the structure and materials that compose the earth's surface and geologic processes responsible for shaping the earth: Nature and role of rocks and minerals; environmental processes and problems; dynamics of volcanism, earthquakes, plate tectonics, metamorphism, running water, groundwater, glaciation, weathering, and erosion. (A, CSU-GE, UC, I)

10 INTRODUCTION TO GIS

3 units, 2.5 lecture hours, 2 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH, and Mathematics 103.

This course is an introduction to the fundamental concepts of Geographic Information Systems (GIS), including familiarization with computers, data input, raster GIS, vector GIS, querying, methods of spatial analysis, and applications of GIS. (A, CSU, UC)

GEOLOGY (GEOL)

1 PHYSICAL GEOLOGY

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH and Mathematics 3A.

This course is an introduction to the forces and processes shaping the surface of the earth. These include plate tectonics, igneous intrusion, volcanism, formation of sediment and sedimentary rock, metamorphism, earthquakes, and the formation of mountain belts. Other topics covered include faulting and folding of rock, time and its implications, formation of geologic resources (metals and petroleum), ocean basins and coasts, surface water/flooding and groundwater. Laboratory exercises will include rock and mineral identification, and interpretation of topographical and geological maps. Field trips to classic geological locations may be offered to emphasize class material. (A, CSU-GE, UC, I) (C-ID GEOL 101)

2 HISTORICAL GEOLOGY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Geology 9, Mathematics 201 and eligibility for English 1A.

This course describes the origin and geologic history of the earth and the development of plant and animal life as shown through fossils and rock strata. The course includes the study of geologic dating, plate tectonics, the sedimentary record, and the fossil record with indepth study of early life, dinosaurs, and human beings. Field trips may be included as part of the course (A, CSU-GE, UC, I)

9 INTRODUCTION TO EARTH SCIENCE

4 units, 3 lecture hours, 2 lab hours

ADVISORIES: Eligibility for English 1A and Mathematics 201.

This course is an introduction to the earth sciences with an emphasis on basic topics and principles in geology. The major concepts of oceanography, hydrology, meteorology, and astronomy are also examined in detail. This course may be used for the transfer degree in Liberal Studies. (A, CSU-GE, UC, I) (C-ID GEOL 121)

10 ROCKS, FOSSILS, AND MINERALS

3 units, 3 lecture hours, pass/no pass

Identification, origin, and use of common and important rocks, minerals and fossils, including an introduction to crystallography. (A, CSU-GE, UC, I)

HEALTH SCIENCE (HLTH)

1 CONTEMPORARY HEALTH ISSUES

3 units, 3 lecture hours, pass/no pass

This course is designed to introduce the student to a comprehensive study of personal and community health. This course will also introduce the student to health issues at the local, state, and national levels. (A, CSU-GE, UC)

2 FIRST AID AND SAFETY

3 units, 3 lecture hours, pass/no pass

This course is designed to prepare citizen responders with the knowledge and skills necessary to respond to emergency and first-aid situations. First aid, CPR, and AED for adults, children and infants are included in this course. Students will be eligible to take American Red Cross certification exams upon successful completion of each respective content area. (A, CSU, UC) (C-ID KIN 101)

3 CONCEPTS IN HEALTH AND FITNESS

3 units, 3 lecture hours

Students learn about the different components of physical fitness, cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition as related to healthy living. (A, CSU)

14 INTERPRETING IN HEALTH CARE I

4 units, 3 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Office Technology 10.

Provides training for bilingual individuals to develop awareness, knowledge, and skills necessary for effective language interpretation in health care settings. Foundation for students in the Healthcare Interpreter Certificate Program and the basis for the trilogy of courses required. The roles and responsibilities of a healthcare interpreter, basic knowledge of common medical conditions, treatments and procedures and a need for insight in language and cultural nuances for specific communities. (A, CSU)

15 INTERPRETING IN HEALTH CARE II

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Health Science 14 must be completed within 2 years prior to enrollment in Health Science 15 and 16. COREQUISITES: Health Science 16. ADVISORIES: Office Technology 10, Biology 20, 22.

For students in the Health Care Interpreter Program. Training continues for bilingual individuals to become integral members of the health care team in bridging the language and cultural gap between clients and providers. There is further enhancement of interpreting skills covering specialized health care areas such as gynecology, mental health, death and dying. Emphasis placed on the development of cultural competency. Taken concurrently with Health Science 16. (A, CSU)

16 FIELD WORK IN HEALTH CARE INTERPRETING

4 units, 2 lecture hours, 6 lab hours, pass/no pass

PREREQUISITES: Health Science 14, must be completed within 2 years prior to enrollment in Health Science 16. COREQUISITE: Health Science 15.

This is the final course for students in the Health Care Interpreting program. Training interpreters in facilitating linguistic and cultural communication between client and health care providers. Fieldwork includes at least 30 face-to-face actual encounters in interpreting skills. Taken concurrently with Health Science 15. (A, CSU)

314 INTERPRETING IN HEALTH CARE I

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Office Technology 310.

Provides training for bilingual individuals to develop awareness, knowledge, and skills necessary for effective language interpretation in health care settings. Foundation for students in the Healthcare Interpreter Certificate Program and the basis for the trilogy of courses required. The roles and responsibilities of a healthcare interpreter, basic knowledge of common medical conditions, treatments and procedures and a need for insight in language and cultural nuances for specific communities.

315 INTERPRETING IN HEALTH CARE II

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Health Science 314 must be completed within 2 years prior to enrollment in Health Science 315 and 316. COREQUISITES: Health Science 316. ADVISORIES: Office Technology 310, Biology 20, 22.

For students in the Health Care Interpreter Program. Training continues for bilingual individuals to become integral members of the health care team in bridging the language and cultural gap between clients and providers. There is further enhancement of interpreting skills covering specialized health care areas such as gynecology, mental health, death and dying. Emphasis is placed on the development of cultural competency. Taken concurrently with Health Science 316.

316 FIELD WORK IN HEALTH CARE INTERPRETING

0 units, 2 lecture hours, 6 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Health Science 314, must be completed within 2 years prior to enrollment in Health Science 316. COREQUISITES Health Science 315.

This is the final course for students in the Health Care Interpreting program. Training interpreters in facilitating linguistic and cultural communication between client and health care providers. Fieldwork includes at least 30 face-to-face actual encounters in interpreting skills. Taken concurrently with Health Science 315.

HISTORY (HIST)

1 WESTERN CIVILIZATION TO 1648

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides a survey of the political, social, economic, cultural and intellectual developments of European civilization from its prehistoric antecedents in the Middle East to the rise of modern European nations in the seventeenth century. (A, CSU-GE, UC, I) (C-ID HIST 170)

2 WESTERN CIVILIZATION FROM 1648

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

This course provides a survey of the political, social, economic, cultural & intellectual development of European civilization and its impact on non-western societies from the 17th century to the present era. (A, CSU-GE, UC, I) (C-ID HIST 180)

5 AFRICAN PEOPLE IN THE NEW WORLD

3 units, 3 lecture hours, pass/no pass

(See also Ethnic Studies 5)

ADVISORIES: English 1A or 1AH.

This course provides a survey of the historical contributions of African people in South America, Central America, the Caribbean and the United States from the 16th century to the present. (A, CSU-GE, UC, I)

11 HISTORY OF THE UNITED STATES TO 1877

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course traces the political, social, and economic development of the United States from the colonial period to the Reconstruction Era. (A, CSU-GE, UC, I) (C-ID HIST 140: HIST 11 & HIST 12) (C-ID HIST 140: HIST 11 & HIST 12H)

12 HISTORY OF THE UNITED STATES SINCE 1865

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course traces the political, social, and economic development of the United States from the Reconstruction Era to the present. (A, CSU-GE, UC, I) (C-ID HIST 140)

12H HONORS HISTORY OF THE UNITED STATES SINCE 1865

3 units, 3 lecture hours

PREREQUISITE: Enrollment in Honors Program ADVISORIES: English 1A or 1AH.

This course provides a survey of the political, social, and economic development of the United States since 1865 and the emergence of the U. S. as a world power. Students are also introduced to research methods, historiography, and divergent schools of historical interpretation. (A, CSU-GE, UC, I) (C-ID HIST 140)

20 WORLD HISTORY I, TO 1600

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Education 10 recommended for K-8 teachers, English 1A or 1AH.

This course examines economic, political, and social developments in World Civilization from the emergence of human communities to around 1600. (A, CSU-GE, UC, I) (C-ID HIST 150)

22 HISTORY OF AMERICAN WOMEN

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines the social, political, and economic actions and reactions of American women over the course of American history, giving consideration to racial, ethnic, religious, geographic, and class differences. (A, CSU-GE, UC, I)

32 HISTORY OF THE MEXICAN AMERICAN PEOPLE (SEE ETHNIC STUDIES 32)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course traces the history of the Mexican American people from the pre-Columbia era to the present. Topics covered include the indigenous origins of Mexican society, the Spanish colonial period, the Spanish and Mexican roots of the contemporary American Southwest, and the role played by Mexican Americans in the social, economic, political, and cultural development of the United States from the Mexican War (1846-1848) to the present. (A, CSU-GE, UC, I)

HONORS (HONORS)

**Note: UC to determine transfer credit after enrolled at UC based on review of course syllabus*

1 HONORS COLLOQUIUM

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

This is an introductory research skills course designed to create a culminating student project proposals based on areas of interest for submission for symposia. (A, CSU)

3A HONORS FORUM-APPLIED SCIENCES

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This class is an interdisciplinary investigation of a contemporary issue through the perspective of a computational discipline (e.g., mathematics, statistics, accounting, etc.). Enrolled students will be required to present their research as the culminating portion of the course. (A, CSU, UC*)

3B HONORS FORUM-HUMANITIES

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This class is an interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the Humanities. Enrolled students will be required to present their research as the culminating portion of this course. (A, CSU, UC*)

3C HONORS FORUM-NATURAL AND BIOLOGICAL SCIENCES

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This is an interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the natural and biological sciences. Enrolled students will be required to present their research as the culminating portion of the course. (A, CSU, UC)

3D HONORS FORUM-SOCIAL SCIENCES

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This is an interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the Social Sciences. Enrolled students will be required to present their research as the culminating portion of the course. (A, CSU, UC*)

4 INTERNATIONAL CULTURAL EXPLORATION

2 units, 1 lecture hour, 2.5 activity hours, pass/no pass only

This course provides a framework for students to visit, examine, and analyze a country outside the United States to learn about the place and people. Emphasis is placed on the distinctive cultural characteristics of a country. Upon completion, students should be able to identify similarities and differences, analyze causes and effects, and clearly articulate the impact of one or more cultural elements. International travel will be required for this course, and the course will culminate in a presentation of the students' research projects. (A, CSU)

INDIVIDUAL STUDY (INDST)

49 (COURSE TITLE TO BE SELECTED)

1-2 units, 54 hours per unit, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

An individual student's exploration in depth of a selected topic not covered in the classes offered in the college. In cooperation with an instructor, the student will develop a research or creative project which culminates in an appropriate paper, report, composition, or other product. A student who wishes to complete this course must develop the outline of the project and begin the arrangements for the project with an instructor before signing up for the course. (A, CSU, UC*)

*Note: UC to determine transfer credit after enrolled at UC based on review of course syllabus

INDUSTRIAL TECHNOLOGY (IT)

205 FOUNDATION SKILLS IN INDUSTRIAL TECHNOLOGY

2 units, 2 lecture hours, .5 lab hours, pass/no pass

ADVISORIES: Mathematics 201.

This course will cover the foundation skills in Industrial Technology and supply the basic skills and orientation to enter Reedley College's manufacturing program. Safety, measuring, use of shop tools and power equipment are among the skills that will be introduced and reinforced. Also includes field trips to local manufacturing industry.

INFORMATION SYSTEMS (IS)

15 COMPUTER CONCEPTS

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides an introduction to computer and information systems concepts and terminology, an overview of hardware, and software (systems and applications including word processing, spreadsheet, database, presentation and programming), the history of the microcomputer, privacy and legal issues, telecommunications (email and Internet), ebusiness, types of information systems and their roles in business, and the systems development life cycle. (A, CSU, UC) (C-ID ITIS 120)

16 WORD PROCESSING

1.5 units, 1.5 lecture hours, .5 lab hour

ADVISORIES: English 1A or 1AH.

This course provides an introduction to word processing for the business manager. This course will include creating, editing, formatting, saving and printing documents. A number of advanced topics will be introduced. This course includes a survey of current word processing applications. (A, CSU)

18 SPREADSHEET FUNDAMENTALS

1.5 Units, 1.5 lecture hours, .5 lab hour

ADVISORIES: Mathematics 3A, English 1A or English 1AH.

This course provides an introduction to spreadsheet fundamentals for the business manager. This course will cover creating and formatting worksheets, using formulas and functions and creating graphs using a spreadsheet. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, INFORMATION SYSTEMS

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment

Supervised employment, directly related to student's major in information systems. Students earn units using the following formula: 75 hours of paid work or 60 hours of volunteer work = 1 unit. Students may earn a total of 6 units in work experience per semester. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

26A DATABASE CONCEPTS AND DESIGN

3 units, 3 lecture hours, 1 lab hour

PREREQUISITES: Information Systems 15 or equivalent. ADVISORIES: Mathematics 201.

This course provides an introduction of database concepts and fundamentals for the business manager. The course covers the concepts of the relational database, creating and editing database tables, using relational and logical operators, creating queries with QBE and SQL, creating and printing reports, and sorting and indexing database files using a current database application. (A, CSU)

26B ADVANCED DATABASE CONCEPTS AND DESIGN

1.5 units, 1.5 lecture hours, .5 lab hour

PREREQUISITES: Information Systems 26A. ADVISORIES: Information Systems 31; Mathematics 3A, and English 1A or 1AH.

Intermediate topics to relational-database concepts and fundamentals for business application: database administration and security, advanced structured-query language (SQL), events programming, and complex reports. (A, CSU)

31 INTRODUCTION TO PROGRAMMING

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Information Systems 15; Mathematics 3A, and English 1A or 1AH.

This course provides an introduction to programming using professionally recognized principles that provide a foundation for good programming techniques. This course is designed to prepare students who are interested in pursuing programming as an option for the Information Systems degree and who have no previous programming experience. (A, CSU, UC) (C-ID ITIS 130)

33 BEGINNING JAVA PROGRAMMING

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Information Systems 15; Mathematics 3A, and English 1A or 1AH. .

This course introduces the development of creating applications using the Java Programming Language. There will be a focus on object oriented programming, control structures, methods, arrays, strings, inheritance, and graphics. Emphasis will be placed on developing applications for business.(A, CSU, UC)

40A WEB DEVELOPMENT WITH HTML AND CSS

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Information Systems 15; Mathematics 3A, and English 1A or 1AH.

Introductory to Web Development course using web authoring software HTML and CSS. Emphasis is on production, design, and usability. Students will apply skills and concepts to plan, develop and upload a small website. (A, CSU)

40B ADVANCED WEB DEVELOPMENT

4 units, 3.5 lecture hours, 1.5 lab hours, pass/no pass

PREREQUISITES: Information Systems 15 and 40A. ADVISORIES: English 1A or 1AH.

This course provides a hands-on exploration in cutting edge HTML, CSS, and Javascript techniques needed to enhance websites. The course will review the current web and CSS frameworks along with content management systems and code libraries. There will be an emphasis in creating HTML forms, processing of web form data, and web application development as a whole. (A, CSU)

42A WEB GRAPHICS AND UI DESIGN

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Information Systems 15, Mathematics 3A, English 1A or 1AH.

This course provides an introduction to graphic editing software for web design and business. The course includes the creation of graphics from scratch, edit existing images, image compression, and color reduction techniques as well as HTML integration within graphic design. (A, CSU)

47 VISUAL BASIC

3 units, 3 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 3A, and English 1A or 1AH.

This course provides an introduction to programming in Visual Basic. Students will develop computer programs using Visual Basic programming language in Windows-based computers. The course emphasizes planning, designing, writing, testing, debugging, and documenting Visual Basic programs. (A, CSU, UC)

50A INTRODUCTION TO GAME PROGRAMMING

3 units, 3 lecture hours, 1 lab hour

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 3A, and English 1A or 1AH.

This course is designed to introduce students to basic game programming. Students will plan, design, implement and maintain simple games for stand-alone computer systems or on the Internet. (A, CSU, UC)

50B INTRODUCTION TO GAME PROGRAMMING USING UNITY 3D

3 units, 3 lecture hours, 1 lab hour

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 3A, and English 1A or 1AH.

This course provides students with basic game programming development skills utilizing Unity 3D software and C# programming language. Students will plan, design, implement and maintain games designed for personal computer systems, mobile devices or for the Internet. (A, CSU, UC)

51 INFORMATION TECHNOLOGY FUNDAMENTALS

3 units, 3 lecture hours, 1 lab hour

ADVISORIES: English 1A or 1AH.

IT Fundamentals provides students with a foundation in information technology concepts and skills. Students will gain an understanding of the basics of computing, IT infrastructure, software development, and databases. Additionally, students will gain the skills needed to set up, configure, and maintain the hardware and software of common personal computer and wireless networking equipment found in small office/home office systems. Students will also learn how to implement basic security and preventive maintenance measures. This course prepares students for the CompTIA ITF+ examination. (A, CSU)

52 INTRODUCTION TO NETWORKS

4 units, 3 lecture hours, 3 lab hours

ADVISORY: Information Systems 15.

Introduction to Networks introduces students to the architecture, structure, functions and components of the Internet and other computer networks. Students will gain a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP). The first of three courses that prepares students for the Cisco CCNA certification. (A, CSU)

53 SWITCHING AND ROUTING ESSENTIALS

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Information Systems 52. ADVISORIES: Mathematics 3A and English 1A or 1AH.

Switching, Routing, and Wireless Essentials (SRWE) focuses on the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. In this course, students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks. The second of three courses that prepare students for the Cisco CCNA certification. (A, CSU)

54 ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION

4 units, 3 lecture hours, 3 lab hours

PREREQUISITE: Information Systems 53. ADVISORIES: Mathematics 3A and English 1A or 1AH.

Enterprise Networking, Security, and Automation (ENSA) focuses on the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation. (A, CSU)

55 NETWORK SECURITY

3 units, 2 lecture hours, 4 lab hours

PREREQUISITE: Information Systems 52. ADVISORIES: Information Systems 70.

This course equips students with the knowledge and skills needed to prepare for entry-level security specialist careers. Network Security introduces the core security concepts and skills needed to configure and troubleshoot computer networks and help ensure the integrity of devices and data. (A, CSU)

59 CAREERS IN COMPUTING

1 unit, 1 lecture hour

This course provides an introduction and description to the many careers in computing and technology including IT support, networking, web and software development and programming. An emphasis will be made on explaining industry certifications, portfolio creation and job preparedness. (unique) (voc)

60 OPERATING SYSTEMS

3 units, 3 lecture hours, 1 lab hour

ADVISORIES: Mathematics 3A, and English 1A or 1AH

This course provides an overview of a broad range of operating system concepts, including installation and maintenance. Emphasis is on operating system concepts, hands-on projects, management, and maintenance. Students will learn and practice configuration techniques using operating system utilities. Students will also compare and contrast the differences between each operating system including files systems, file organization, file management, as well as essential computer securities and configuration. (A, CSU)

61 COMPUTER BUILDING AND CONFIGURATION (FORMERLY IS 5)

1.5 units, 2 lecture hours, 1 lab hour

ADVISORIES: English 1A or 1AH.

This course covers the proper procedures for building a personal computer. Students will learn how to select, assemble, and install the necessary components to build a personal computer. The course will include a lecture and hands-on activities such as: installing operating systems and application software, and using appropriate diagnostic software to solve hardware or software problems. (A, CSU)

62 COMPUTER TROUBLESHOOTING AND MAINTENANCE

2.5 units, 2 lecture hours, 2 lab hours

ADVISORIES: English 1A or 1AH.

This course provides an introduction to troubleshooting and maintenance techniques for personal and laptop computers. The course provides Information Systems student with applicable hands-on activities such as adding and installing RAM, replacing motherboards, and replacing power supplies, as well as using specialized test equipment to assist in troubleshooting. (A, CSU)

63 COMPUTER NETWORKING I

3 units, 2 lecture hours, 3 lab hours

PREREQUISITE: Information Systems 15. ADVISORIES: English 1A or 1AH.

This course provides an introduction to computer networking by providing hands on networking learning tasks such as: making and testing network cabling; troubleshooting networking hardware; as well as working with common network protocols. In this course, students will learn network topology, network types (wired and wireless), and basic principles of network security as well as network hardware and software installation and configuration. This course will prepare students to be competitive candidates in obtaining their CompTIA Network+ Certification. (A, CSU)

64 COMPUTER NETWORKING II

3 units, 2.5 lecture hours, 2 lab hours

PREREQUISITE: Information Systems 63. ADVISORIES: English 1A or 1AH.

This course covers advanced concepts in networking software and hardware. Installation of WAN hardware components and software will be examined. Installation of communications/ internet software, proxy servers, transaction servers, domain name servers, and mail servers will be examined in a virtual environment. Design and implementation techniques for large organizations are also covered. (A, CSU)

65 SYSTEMS AND NETWORK ADMINISTRATION

3 units, 2 lecture hours, 4 lab hours

ADVISORIES Information Systems 80 and Information Systems 15 or 315.

This course will provide a student with the knowledge and skills required to maintain reliable computer systems in a multi-user environment. The student will learn about system hardware, software, storage, best practices, disaster recovery, and troubleshooting, with additional coverage of virtualization, cloud technologies, security, and scalability. (A, CSU)

70 INTRODUCTION TO CYBER SECURITY

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Information Systems 63 or Information Systems 52 or 352. ADVISORIES: English 1A or 1AH.

This course introduces the fundamental principles, topics, and skills required to pursue a career in IT Cyber Security, and IT Security and Risk Management, at an enterprise organizational level. It addresses hardware, software, processes, communications, applications, policies, and procedures with respect to organizational Cybersecurity and Risk Management best practices, and preparation for the CompTIA Security+ certification exam. (A, CSU)

71 CYBER SECURITY: ETHICAL HACKING

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Information Systems 63 or 52. ADVISORIES: English 1A or 1AH.

This course introduces the network security specialist to the various methodologies for attacking a computer network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of learning how to properly secure a network against such attacks. The course will emphasize network attack methodologies with the emphasis on the use of specialized tools and techniques to develop appropriate defenses and countermeasures. Students will receive course content information through a variety of methods. Lecture and demonstration of hacking tools will be used in addition to a hands-on penetration testing into networks in a virtual environment. This course prepares students for the CompTIA PenTest+ exam. (A, CSU)

80 INFORMATION TECHNOLOGY SUPPORT TECHNICIAN TRAINING

6 units, 4 lecture hours, 4 lab hours.

ADVISORIES: Mathematics 3A and English 1A or 1AH.

This course covers conceptual and practical areas from the national CompTIA A+ certification examination. The areas covered are hardware and software control and configuration, hardware and software repair, problem solving, maintenance, networking issues, operating systems and security protocol, policies and practices. This course also aligns with Cisco IT Essentials curriculum. (A, CSU)

81 COMPUTER NETWORK + AND SECURITY + TRAINING

12 units, 8 lecture hours, 8 lab hours

This course introduces the fundamental building blocks that form a modern network such as protocols, topologies, hardware, network architectures and network operating systems. The course will also cover the most important concepts in contemporary networking and security which include TCP/IP, Ethernet, wireless transmission, network administration, intrusion detection systems, support and troubleshooting WANs (Wide Area Networks). Students will develop the skills to implement a secure network topology using the proper hardware and software for their environment. Students will build a network from scratch and maintain, upgrade, and troubleshoot an existing network. Finally, students will be prepared to take the CompTIA (The Computing Technology Industry Association) Network + and Security + certification exams.

315 COMPUTER CONCEPTS

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course provides an introduction to computer and information systems concepts and terminology, an overview of hardware, and software (systems and applications including word processing, spreadsheet, database, presentation and programming), the history of the microcomputer, privacy and legal issues, telecommunications (email and Internet), e-business, types of information systems and their roles in business, and the systems development life cycle.

316 WORD PROCESSING

0 units, 1.5 lecture hours,.5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course provides an introduction to word processing for the business manager. This course will include creating, editing, formatting, saving and printing documents. A number of advanced topics will be introduced. This course includes a survey of current word processing applications.

318 SPREADSHEET FUNDAMENTALS

0 units, 1.5 lecture hours,.5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Mathematics 3A, English 1A or English 1AH.

This course provides an introduction to spreadsheet fundamentals for the business manager. This course will cover creating and formatting worksheets, using formulas and functions and creating graphs using a spreadsheet.

326A DATABASE CONCEPTS AND DESIGN

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

PREREQUISITES: Information Systems 15, 315, or equivalent. ADVISORIES: Mathematics 201.

This course provides an introduction of database concepts and fundamentals for the business manager. The course covers the concepts of the relational database, creating and editing database tables, using relational and logical operators, creating queries with QBE and SQL, creating and printing reports, and sorting and indexing database files using a current database application.

331 INTRODUCTION TO PROGRAMMING

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Information Systems 315, Mathematics 3A, and English 1A or 1AH.

This course provides an introduction to programming using professionally recognized principles that provide a foundation for good programming techniques. This course is designed to prepare students who are interested in pursuing programming as an option for the Information Systems degree and who have no previous programming experience.

340A WEB DEVELOPMENT WITH HTML AND CSS

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Information Systems 315, Mathematics 3A, English 1A or 1AH.

Introductory to Web Development course using web authoring software HTML and CSS. Emphasis is on production, design, and usability. Students will apply skills and concepts to plan, develop and upload a small website.

340B ADVANCED WEB DEVELOPMENT

0 units, 3.5 lecture hours, 1.5 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Information Systems 315 and 340A or equivalent courses. ADVISORIES: Mathematics 3A and English 1A or 1AH.

This course provides a hands-on exploration in cutting-edge HTML, CSS, and Javascript techniques needed to enhance websites. The course will review the current web and CSS frameworks along with content management systems and code libraries. There will be an emphasis in creating HTML forms, processing of web form data, and web application development as a whole.

342A WEB GRAPHICS AND UI DESIGN

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Information Systems 315, Mathematics 3A, and English 1A or 1AH.

This course provides an introduction to graphic editing software for web design and business. The course includes the creation of graphics from scratch, edit existing images, image compression, and color reduction techniques as well as HTML integration within graphic design.

351 INFORMATION TECHNOLOGY FUNDAMENTALS

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

IT Fundamentals provides students with a foundation in information technology concepts and skills. Students will gain an understanding of the basics of computing, IT infrastructure, software development, and databases. Additionally, students will gain the skills needed to set up, configure, and maintain the hardware and software of common personal computer and wireless networking equipment found in small office/home office systems. Students will also learn how to implement basic security and preventive maintenance measures. This course prepares students for the CompTIA ITF+ examination.

352 INTRODUCTION TO NETWORKS

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Information Systems 315.

Introduction to Networks introduces students to the architecture, structure, functions and components of the Internet and other computer networks. Students will gain a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP). The first of three courses that prepares students for the Cisco CCNA certification.

353 SWITCHING AND ROUTING ESSENTIALS

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Information Systems 352 or equivalent. ADVISORIES: Mathematics 3A and English 1A or 1AH.

Switching, Routing, and Wireless Essentials (SRWE) focuses on the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. In this course, students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks. The second of three courses that prepare students for the Cisco CCNA certification.

354 ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION

0 units, 3 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Information Systems 353 or equivalent. ADVISORIES: Mathematics 3A and English 1A or 1AH.

Enterprise Networking, Security, and Automation (ENSA) focuses on the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

355 CAREERS IN COMPUTING

0 units, 1 lecture hour, pass/no pass only, unlimited repeats.

This course provides an introduction and description to the many careers in computing and technology including IT support, networking, web and software development and programming. An emphasis will be made on explaining industry certifications, portfolio creation and job preparedness.

370 INTRODUCTION TO CYBER SECURITY

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Information Systems 63, Information Systems 52 or 352. ADVISORIES: English 1A or 1AH.

This course introduces the fundamental principles, topics, and skills required to pursue a career in IT Cyber Security, and IT Security and Risk Management, at an enterprise organizational level. It addresses hardware, software, processes, communications, applications, policies, and procedures with respect to organizational. Cybersecurity and Risk Management best practices, and preparation for the CompTIA Security+ certification exam.

371 CYBER SECURITY: ETHICAL HACKING

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Information Systems 63 or 52 or 352. ADVISORIES: English 1A or 1AH.

This course introduces the network security specialist to the various methodologies for attacking a computer network. Students will be introduced to the concepts, principles, and techniques, supplemented by handson exercises, for attacking and disabling a network within the context of learning how to properly secure a network against such attacks. The course will emphasize network attack methodologies with the emphasis on the use of specialized tools and techniques to develop appropriate defenses and countermeasures. Students will receive course content information through a variety of methods. Lecture and demonstration of hacking tools will be used in addition to a hands-on penetration testing into networks in a virtual environment. This course prepares students for the Comp TIA Pen Test+ exam. (A, CSU)

380 INFORMATION TECHNOLOGY SUPPORT TECHNICIAN TRAINING

0 units, 4 lecture hours, 4 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Mathematics 3A and English 1A or 1AH.

This course covers conceptual and practical areas from the national CompTIA A+ certification examination. The areas covered are hardware and software control and configuration, hardware and software repair, problem solving, maintenance, networking issues, operating systems and security protocol, policies and practices. This course also aligns with Cisco IT Essentials curriculum.

INTERDISCIPLINARY STUDIES (INTDS)

100 STEM PROJECTS

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This is a course in preparing and leading STEM (Science, Technology, Engineering, and Math) outreach projects. Students will learn the principles behind outreach activities that are used with K-12 students to educate and excite them about STEM subjects and opportunities. Students will also lead these activities and work together to design new activities. (A)

101 STEM CAREERS

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This is a course on career opportunities in STEM (Science, Technology, Engineering, and Math). Students will learn about career options and prepare presentations to be used with K-12 students to educate them about STEM careers. (A)

102 STEM EDUCATION

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This is a course on educational pathways in STEM (Science, Technology, Engineering, and Math). Students will learn about educational requirements for STEM fields and academic majors available at Reedley College and transfer universities. Students will prepare STEM presentations to inspire other students to pursue degrees in STEM fields. (A)

103 TECHNOLOGICAL ADVANCES IN STEM

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This is a course on technological developments in STEM (Science, Technology, Engineering, and Math). Students will learn about new developments in STEM-related fields, such renewable energy, medicine, transportation, communication, and basic science. Students will prepare presentations and activities on these developments for K-12 and college students. (A)

301A STEM CAREERS (FORMERLY INTDS 301)

0 units, 1 lecture hour, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Eligibility for Mathematics 201.

This is a course on career opportunities in STEM (Science, Technology, Engineering, and Math). Students will learn about career options and prepare presentations to be used with K-12 students to educate them about STEM careers.

302 STEM EDUCATION

0 units, 1 lecture hour, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Eligibility for Mathematics 201.

This is a course on educational pathways in STEM (Science, Technology, Engineering, and Math). Students will learn about educational requirements for STEM fields and academic majors available at Reedley College and transfer universities. Students will prepare STEM presentations to inspire other students to pursue degrees in STEM fields.

JOURNALISM (JOURN)

1 INTRODUCTION TO MASS COMMUNICATIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course will take a critical and historical study of American mass media structure and trends. After reviewing communication theory and journalistic ethics students will explore course surveys, books, newspapers, magazines, television, radio, film, press services, the internet and the systems of advertising and public relations. Discussions will include economics, technology, global media, media literacy and social issues. (A, CSU-GE, UC, I) (C-ID JOUR 100)

3 NEWS WRITING

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course will explore news information gathering and writing for print media across multiple platforms. Students will learn the basics of news writing, methods and practices, interviewing, and feature writing with an emphasis on writing against weekly deadlines. The course will address ethical, policy and legal questions confronting reporters editors and publishers. (A, CSU)

7 WRITING BY DESIGN: INTRODUCTION TO PUBLICATION AND PRODUCTION OF THE SCHOOL NEWSPAPER PUBLICATION

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Journalism 3 and English 1A or 1AH.

This course focuses on the development of camera-ready, publishable-quality projects and well written news and feature articles through three stages of production for the school newspaper: writing copy, design, and layout. Students learn multiple platforms of journalism and gain practical experience. Familiarity with a word processing program is highly recommended, but not required. (A, CSU) (C-ID JOUR 130)

8 STUDENT PUBLICATION STAFF

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Journalism 3 and Journalism 7. ADVISORIES: English 1A or 1AH.

Students taking this course lead and manage the production of student print, broadcast and online publications. Students learn interviewing, writing, photography, editing, print and visual online layouts and design. Students also learn about the integration of multimedia materials and emerging technologies in journalism. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, JOURNALISM

1-8 units, 75 hrs/unit paid, 60 hrs/unit volunteer

ADVISORIES: English 1A or 1AH.

Supervised employment and/or internship directly related to the student's major and/or career goals in the field of Journalism/Mass Communications. This could include journalism, advertising, public relations, and design. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

KINESIOLOGY (KINES)

20 ATHLETIC TRAINING

3.5 units, 3 lecture hours, 2 lab hours, pass/ no pass

This is a course is designed to instruct students in the prevention and evaluation of athletic injuries. Emergency first aid, treatment, and taping of injuries will constitute the majority of the lab component. (A, CSU, UC)

22 INTRODUCTION TO KINESIOLOGY

3 units, 3 lecture hours, pass/no pass

This course is an introduction to kinesiology and the study of human movement. Students will be introduced to the historical background, philosophy, objectives, and kinesiology. The course will also include an overview of career opportunities in the areas of teaching, coaching, allied health, and fitness professions. (A, CSU, UC)

28 FOUNDATIONS OF COACHING

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course will introduce students to the profession of coaching. Topics will include coaching philosophies, communication skills, motivational techniques, principles for training, and program management. (A, CSU)

35 SPORT AND SOCIETY

3 units, 3 lecture hours

Sports and athletes have often been agents of social change, many times challenging norms and assumptions concerning race, ethnicity, social class and gender. This course studies sport and society, highlighting how their interplay can provide social mobility and integration, yet produce stereotypes and foundations of inequality. (A, CSU, UC)

LIBRARY SKILLS (LIBSKL)

1 INFORMATION COMPETENCY/ RESEARCH SKILLS

1 unit, 1 lecture hour

This course is an introduction to research skills and strategies for college students to successfully locate, access, evaluate, and use information in various formats. Students will learn how to use print, database and Internet resources, cite sources, create bibliographies, and understand plagiarism. (A, CSU, UC)

2 INFORMATION AND COMPUTER LITERACY

3 units, 3 lecture hours

In-depth research skills for college students, including the concept of information, its organization, location, evaluation, and use to complete college level assignments. (A, CSU)

LIBRARY TECHNOLOGY (LITEC)

258 LIBRARY & COMPUTER LAB SKILLS

1 unit, 1 lecture hour, pass/no pass only

This course is intended to provide supervised use of computers and instruction in the organization, location, access, evaluation, and use of electronic research databases, library catalogs and internet sources. The course will reinforce concepts from classroom studies and develop problem solving abilities on an independent level.

LINGUISTICS (LING)

10 INTRODUCTION TO LANGUAGE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines human language, including its nature, structure, use, history, and acquisition. Emphasis is on the systematic linguistic description of language knowledge and usage. (A, CSU-GE, UC, I)

11 INTRODUCTION TO LANGUAGE FOR TEACHERS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is intended to provide instruction in the basic use of computers and instruction in the organization, location, access, evaluation, and use of electronic research databases, library catalogs and internet sources. The course will reinforce concepts from classroom studies and develop program solving abilities on an independent level.

MANUFACTURING TECHNOLOGY (MFGT)

11 INTRODUCTION TO MANUFACTURING

12 units, 5 lecture hours, 21 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is an aggregate of techniques that explore graphic interpretation, technical sketching, reading pictorial drawings and dimension systems. Course instruction will include studies in basic electrical codes, electrical circuit wiring, electrical troubleshooting and repairs. This course will highlight a combination of basic gas and arc welding techniques. Class activities include safety procedures needed to work in school and industrial shops, oxyacetylene welding of steel sheet and pipe in various positions, brazing, flame cutting, shielded metal arc welding (stick) and gas metal arc welding (MIG) of various joint designs with a variety of electrode types in flat and horizontal positions. There will also be a brief intro into flux cored arc welding and gas tungsten arc welding (TIG). This course will explore basic shop practices, hand tools, measurement systems, material selection and testing, cutoff machines, basic lathe and milling machine operation and introduction to CNC turning and milling. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE – MANUFACTURING TECHNOLOGY

1-8 units, pass/no pass

PREREQUISITES: Manufacturing Technology 11 or 60 or 80.

This course is designed to provide ongoing support for students while they are engaged in supervised employment, directly related to their major. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

21 BLUEPRINT READING

2 units, 2 lecture hours, .5 lab hour, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover techniques of graphic interpretation, technical sketching, reading pictorial drawings and dimensioning systems. (A, CSU)

22 INDUSTRIAL MATERIALS

2 units, 2 lecture hours, .5 lab hour, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover the selection/identification of steels, non-ferrous metals and other industrial materials. Heat treatment processes, hardness testing, working characteristics of materials and workplace applications for each type of material will also be discussed. Furthermore, students will study adhesives/ fillers and material shearing/forming. (A, CSU)

23 ELECTRICITY

2 units, 2 lecture hours, .5 lab hour, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course studies basic energy sources developed for manufacturing use. The course includes basic electrical wiring codes, industrial troubleshooting, repairs and installations. (A, CSU)

24 HYDRAULICS

2 units, 2 lecture hours, .5 lab hour, pass/no pass

PREREQUISITES: Manufacturing Technology 51 or 23 or 11. ADVISORIES: Mathematics 45, English 1A or 1AH.

This course will cover the basic principles of fluid power, hydraulic sources, controls, systems and hydraulic components. Specific safety regulations in the design and application of hydraulic equipment will be explored. (A, CSU)

51 MANUFACTURING ESSENTIALS

5 units, 3 lecture hours, 6 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will cover techniques of graphic interpretation, technical sketching, reading pictorial drawings and dimensioning systems. Course instruction will include studies in basic energy sources developed for commercial/manufacturing use, basic electrical codes, electrical circuit wiring, industrial electrical troubleshooting and repairs. (A, CSU)

52 MANUFACTURING FABRICATION

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 11 or 60 or equivalent course or verified work experience in the field. ADVISORIES: Mathematics 45and English 1A or 1AH.

This course will provide advanced instructions on metal fabrication. The focus will be in the areas of welding techniques, project planning, sketches/ working drawings, material selection, project layout, cutting, fitting, tacking, squaring, and finishing of student projects. (A, CSU)

60 INTRODUCTION TO WELDING

5 units, 3 lecture hours, 6 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is a combination of basic gas welding and basic arc welding. Class topics and activities include safety procedures needed to work in school and industrial shop settings. Welding processes covered include oxyfuel welding, brazing, flame cutting, plasma cutting, shielded metal arc welding (stick) and gas metal arc welding (MIG) of various joint designs with a variety of electrode types. Welding positions include flat and horizontal. There will also be a brief intro into flux cored arc welding and gas tungsten arc welding (TIG). (A, CSU)

61 INTERMEDIATE WELDING

4 units, 1.5 lecture hours, 8 lab hours, pass/no pass

PREREQUISITES: Manufacturing 11 or 60 or equivalent course or verified work experience in the field. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course is a continuation of welding techniques learned in MFGT 11 or MFGT 60. Emphasis will focus on shielded metal arc welding (SMAW), gas metal arc welding (GMAW), fluxcored arc welding (FCAW) and gas tungsten arc welding (GTAW/TIG). Welding techniques will be taught in horizontal, vertical and overhead positions on steel, stainless steel, and aluminum. There will also be further hands-on use of oxyfuel cutting (OFC), plasma cutting and carbon air arc gouging. (A, CSU)

62 ADVANCED WELDING

4 units, 1.5 lecture hours, 8 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 61 or equivalent course or verified work experience in the field. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers advanced welding practices using SMAW, GMAW, GTAW, and FCAW. Objectives will be completed in flat, horizontal, vertical, and overhead positions on steel, aluminum, and stainless steel. There will also be a general overview of inspection, testing,certification, and general fabrication concepts. (A, CSU)

63 WELDING CERTIFICATION PREPARATION

.5-2 units, pass/no pass only

.5 unit, 1.5 lab hours; 1 unit, 3 lab hours; 1.5 units, 4.5 lab hours; 2 units, 6 lab hours

Manufacturing Technology 61. PREREQUISITE: Coursework equivalent to MFGT 61 or verified work experience in the field. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides continued practice on out-of-position welding leading to AWS certification exam procedures. Students will develop, improve, and refine welding skills through guided practice in a lab setting. This class is offered as a variable unit class that can be repeated to complete additional modules. (A, CSU)

80 INTRODUCTION TO MACHINE SHOP

5 units, 3 lecture hours, 6 lab hours, pass/no pass

ADVISORIES: English 132 and Mathematics 103.

This course introduces basic machine shop practices and how to safely operate common machinery found in industry. It provides students with an understanding of measurement systems and how to properly use precision and non-precision measuring equipment. It also includes a short introduction into Computer Numerical Control turning and milling.. (A, CSU)

81 INTERMEDIATE MACHINE SHOP

6 units, 3 lecture hours, 9 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 80, or Manufacturing Technology 11, or equivalent course, or verified work experience. ADVISORIES: English 132 and Mathematics 103.

This course focuses on intermediate machine shop practices and how to efficiently operate common machinery found in industry. It provides students with knowledge in turning, milling, and grinding operations. It also includes basic Computer Numerical Control programming, setup and operation. (A, CSU)

82 ADVANCED MACHINE SHOP

6 units, 3 lecture hours, 9 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 81 or equivalent course or verified work experience in the field. ADVISORIES: English 132 and Mathematics 103.

This course focuses on advanced machine shop practices which include turning, milling, grinding and Computer Numerical Control (CNC) operations. It provides students with an introduction to Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) processes. It also discusses advanced shop math and quality control fundamentals. (A, CSU)

83 MACHINE SHOP CERTIFICATION PREPARATION

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Manufacturing Technology 81 (Previous or Concurrent). ADVISORIES: Mathematics 103.

Machine shop practice leading to industry recognized certification exam. (A, CSU)

91 MOTOR CONTROL 1

2 units, 1.5 lecture hours, 1.5 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 23. ADVISORIES: Mathematics 45 and English 1A or 1A.

The study of basic industrial motors and motor control for commercial/manufacturing use. (A, CSU)

92 MOTOR CONTROLS 2

2 units, 1.5 lecture hours, 1.5 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 91. ADVISORIES: Mathematics 45 and English 1A or 1A.

The study of intermediate motor controls found in the manufacturing industry and the methods used to diagram, wire, operate, and troubleshoot intermediate motor controls and accessories in a safe manner. (A, CSU)

93 PROGRAMMABLE LOGIC CONTROLLERS (PLCS)

2 units, 1.5 lecture hours, 1.5 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 92 or 95. ADVISORIES: Mathematics 45, English 1A or 1AH.

This course covers the study of basic Programmable Logic Controllers (PLCs) and the methods of installing, configuring, programming, wiring, operating, and troubleshooting of basic PLCs. (A, CSU)

94 INTRODUCTION TO SOLAR TECHNOLOGY

2 units, 2 lecture hours, .5 lab hour pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Basic concepts in solar technology including solar system layout and components, tools and techniques used with solar technology and safe practices used around solar installations. (A, CSU)

95 MOTOR CONTROL

4 units, 1.5 lecture hours, 8 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 51 or 23 or 11. ADVISORIES: Mathematics 45, English 1A or 1AH.

This course covers the study of basic and intermediate motor controls found in the manufacturing industry and the methods used to diagram, wire, operate, and troubleshoot motor controls and their accessories in a safe manner. (A, CSU)

96 POWER TRANSMISSION

4 units, 1.5 lecture hours, 8 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 95 or 92. ADVISORIES: Mathematics 45, English 1A or 1AH.

This course will cover basic techniques of identifying worn sprockets, chain sizes, shaft alignment for electrical motor and gearbox connection, ordering parts, identification and application of industrial lubricants, troubleshooting facility lighting, working with conveyors and their components, and completing Preventive Maintenance utilizing a Work Order. (A, CSU)

277 ASSISTANCE IN WELDING

.5-2 units, pass/no pass only

.5 unit, 1.5 lab hours; 1 unit, 3 lab hours; 1.5 units, 4.5 lab hours; 2 units, 6 lab hours

COREQUISITES: Manufacturing Technology 11 or 52 or 60 or 61 or 62 or 63 or Welding Technology 341 or 360 or 361 or 362 or 363 or Mechanized Agriculture 30 or 41 or 44 or 341 or enrollment in any other welding class offered at Reedley College or verified previous welding knowledge and experience or instructor permission is acceptable in lieu of concurrent class.

This course is intended for students requiring help with welding techniques. The course will provide intensive assistance in welding concepts and procedures. Students will develop, improve, and refine welding skills through guided practice in a lab setting. This class is offered as a variable unit class that can be repeated to complete additional modules.

MARKETING (MKTG)

10 MARKETING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This class is an introduction to the role of marketing in business, the various philosophies that guide marketing management and the importance of the role of the consumer in the marketing process. Using the skills learned in this course, students will research and write a marketing plan. (A, CSU)

11 SALESMANSHIP

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This class focuses on the systems used in the selling process. Emphasis is placed on analysis of psychological aspects of consumer decision-making and consumer attitudes toward the salesman that affect success. (A, CSU)

12 ADVERTISING AND PROMOTION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course explores the process of brand promotion and marketing. Students will gain an understanding of the market and environment for brand promotion. Emphasis is placed on the tools, evaluation, and measurement of advertising campaigns. (A, CSU)

21 DIGITAL MARKETING

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course examines digital marketing as a strategic business tool. Topics covered include: social media marketing, search engine optimization (SEO), e-mail marketing, paid search advertising, mobile marketing, and online placement advertising. (A, CSU)

310 MARKETING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This class is an introduction to the role of marketing in business, the various philosophies that guide marketing management and the importance of the role of the consumer in the marketing process. Using the skills learned in this course, students will research and write a marketing plan.

MATHEMATICS (MATH)

3A COLLEGE ALGEBRA FOR STEM

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

This is a college level course in algebra for majors in science, technology, engineering, and mathematics. Students will study polynomial, rational, radical, exponential, absolute value, and logarithmic functions. Topics include systems of equations, theory of polynomial equations, and analytic geometry. (A, CSU-GE, UC, I) (C-ID MATH 151)

4A TRIGONOMETRY

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or English 1AH.

Trigonometry is the study of trigonometric functions, their inverses, and their graphs. Topics include identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, polar coordinates, and an introduction to vectors. (A, CSU-GE) (C-ID MATH 851) (C-ID MATH 955: MATH 4B + MATH 4A)

5A CALCULUS I

5 units, 5 lecture hours

PREREQUISITES: Mathematics 3A or equivalent and Mathematics 4A or equivalent. ADVISORIES: English 1A or 1AH.

Calculus I is the first course in differential and integral calculus of a single variable. Topics include functions, limits and continuity, techniques and applications of differentiation and integration, and the Fundamental Theorem of Calculus. (A, CSU-GE, UC, I) (C-ID MATH 210) (C-ID MATH 900S: MATH 5A + MATH 5B)

5B CALCULUS II

4 units, 4 lecture hours

PREREQUISITES: Mathematics 5A. ADVISORIES: English 1A or 1AH.

Calculus II is a second course in differential and integral calculus of a single variable. Topics include techniques of integration, infinite sequences and series, polar and parametric equations, and applications of integration. (A, CSU-GE, UC, I) (C-ID MATH 220)

6 CALCULUS III

5 units, 5 lecture hours

PREREQUISITES: Math 5B. ADVISORIES: English 1A or 1AH.

Topics in Calculus III include vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, divergence theorem. Calculus III is also known as multi-variable calculus. (A, CSU-GE, UC, I)

10A MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS I

3 units, 3 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

Mathematics for Elementary School Teachers I 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. (A, CSU-GE, UC)

10B MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS II

3 units, 3 lecture hours

PREREQUISITES: Mathematics 10A. ADVISORIES: English 1A or 1AH.

Mathematics for Elementary School Teachers II focuses on the development of geometric reasoning skills through exploration of polygons, congruence and similarity, measurement, geometric transformations, coordinate geometry, and connections between numbers and geometry with selected applications. Additional topics include counting methods, elementary probability, and statistics. (A, CSU-GE, UC)

11 INTRODUCTION TO STATISTICS

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

Introduction to Statistics is the study of the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics, probability and sampling distributions, statistical inference, correlation and linear regression, analysis of variance, chi-square and t-tests, and applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications include data from a broad range of disciplines. (A, CSU-GE, UC, I) (C-ID MATH 110)

11C INTRODUCTION TO STATISTICS WITH SUPPORT

5 units, 5 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

Introduction to Statistics is the study of the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics, probability and sampling distributions, statistical inference, correlation and linear regression, analysis of variance, chi-square and t-tests, and applications of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications include data from a broad range of disciplines. This course also includes just-in-time-support learning and study skills. (A, CSU-GE, UC, I) (C-ID Math 110)

17 DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA

5 units, 5 lecture hours

PREREQUISITES: Mathematics 6. ADVISORIES: English 1A or 1AH.

Differential Equations and Linear Algebra is the study of first order ordinary differential equations, including separable, linear, homogeneous of degree zero, Bernoulli and exact equations with applications and numerical methods. Topics include: solutions to higher order differential equations using undetermined coefficients, variation of parameters, and power series, with applications, solutions to linear and non-linear systems of differential equations, including numerical solutions, matrix algebra, solutions of linear systems of equations, and determinants, vector spaces, linear independence, basis and dimension, subspace and inner product space, including the Gram-Schmidt procedure, linear transformations, kernel and range, eigenvalues, eigenvectors, diagonalization and symmetric matrices. (A, CSU-GE, UC, I) (C-ID MATH 240) (C-ID MATH 260) (C-ID MATH 910S)

21 FINITE MATHEMATICS

3 units, 3 lecture hours

PREREQUISITES: Math 103 or equivalent. ADVISORIES: English 1A or 1AH.

This course is an introduction to linear functions, systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, sets, Venn diagrams, combinatorial techniques and an introduction to probability. Topics include applications in business, economics and social sciences. (A, CSU-GE, UC, I) (C-ID MATH 130)

45 CONTEMPORARY MATHEMATICS

3 units, 3 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

Contemporary Mathematics provides an introduction to mathematical problem solving in diverse areas of contemporary life such as statistics, social choice, measurement, and management science for students in the arts, humanities, and social sciences. (A, CSU-GE, UC)

103 INTERMEDIATE ALGEBRA FOR STEM

5 units, 5 lecture hours

PREREQUISITES: Mathematics 201 or equivalent. ADVISORIES: English 1A or 1AH.

Intermediate Algebra for STEM is the study of topics that include linear equations and inequalities, exponents and polynomials, quadratic equations, graphs of linear equations, systems of equations, quadratic and rational equations, factoring polynomials, radical equations and expressions, complex numbers, exponential and logarithmic functions. STEM stands for Science, Technology, Engineering, and Mathematics. This class is intended for students entering the STEM Pathway. (A)

201 ELEMENTARY ALGEBRA (FORMERLY MATH 101)

5 units, 5 lecture hours, pass/no pass

First course in elementary algebra, including algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

210S MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS I SUPPORT

1 unit, 1 lecture hour, pass/no pass only

COREQUISITE: Mathematics 10A.

Mathematics for Elementary School Teachers I Support is for students concurrently enrolled in Math 10A. In this class, students will review arithmetic and develop quantitative reasoning and other study skills that promote success in Math 10A.

270A ASSISTANCE FOR MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS I

.5 unit, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 10A.

This course is for students requiring help with math assignments in MATH 10A. The course will provide intensive assistance in Mathematics for Elementary School Teachers, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

271 ASSISTANCE IN STATISTICS

.5 units, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 11.

This course is for students requiring help with math assignments in MATH 11. The course will provide intensive assistance in statistic topics, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

273 ASSISTANCE IN COLLEGE ALGEBRA

.5 unit, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 3A.

This course is for students requiring help with math assignments in MATH 3A: College Algebra. The course will provide intensive assistance in College Algebra topics, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

274 ASSISTANCE IN TRIGONOMETRY

.5 unit, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 4A.

This course is for students requiring help with math assignments in MATH 4A: Trigonometry. The course will provide intensive assistance in Trigonometry topics, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

275 ASSISTANCE IN CONTEMPORARY MATHEMATICS

.5 unit, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 45.

This course is for students requiring help with math assignments in MATH 45. The course will provide intensive assistance in contemporary mathematics topics, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

276 ASSISTANCE IN CONTEMPORARY MATHEMATICS

.5 unit, 2 lab hours, pass/no pass only

COREQUISITE: Mathematics 21.

This course is for students requiring help with math assignments in MATH 21. The course will provide intensive assistance in finite mathematics topics, critical thinking, and study skills via an embedded tutor and assigned small groups. Students will develop their understanding of course specific mathematics topics and improve their overall ability to reason mathematically.

MECHANIZED AGRICULTURE (MAG)

19V COOPERATIVE WORK EXPERIENCE, MECHANIZED AGRICULTURE

1-8 units, 60 unpaid hours=1 unit, 75 paid hours=1 unit

Work experience internship for mechanized agriculture students. Students will be monitored and advised through this class. Documentation of work progress will be provided to the instructor by the student and the work supervisor. Students may learn specific and general career skills in preparation for more advanced responsibilities upon completion of the educational program. The student must be employed or serving as a volunteer with an entity which is approved by the instructor. Employer must agree to participate in this internship, provide appropriate skills instruction and supervision, and submit a performance evaluation to the college. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

20 EQUIPMENT TECHNICIAN: DIESEL ENGINES, SERVICE FUNDAMENTALS, MACHINE SYSTEMS

11 units, 8 lecture hours, 9 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides in-depth instruction in diesel engines, service department skills and expectations, and specific instruction on agricultural and construction machines. The design and construction of diesel engines, principles and theories of operation, and disassembly and reassembly of engine components will be covered. Instruction on technical reference materials, parts and service books, computer systems and programs used by the service technician will be covered. Students will also develop skills on the service and operation of various machine and engine systems common to the equipment industry. (A, CSU)

21 EQUIPMENT TECHNICIAN: POWER TRAIN I AND MOBILE VEHICLE AIR CONDITIONING

8 units, 6 lecture hours, 6 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides in-depth instruction in equipment transmission systems and power equipment air conditioning and heating systems. Equipment transmission systems include clutches, torque converters, hydrostatic applications, and manual and powershift transmissions. Students will also receive career preparation instruction. (A, CSU)

30 EQUIPMENT TECHNICIAN: ELECTRICAL, HYDRAULIC SYSTEMS, & WELDING

11 units, 8 lecture hours, 9 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides in-depth instruction in machine electrical systems, hydraulic systems found on mobile equipment, and welding and fabrication skills common to agriculture and construction equipment. Students will receive hands-on training on starting, charging, and electronic monitoring systems as they develop analytical skills needed for service and repair of diesel equipment. Hydraulic fundamentals and troubleshooting techniques will be reinforced through machine testing and adjusting. Students will also receive training and instruction in welding and fabrication principles and applications required for the entry level equipment technician. (A, CSU)

31 EQUIPMENT TECHNICIAN: FUEL SYSTEMS & POWER TRAIN II

8 units, 6 lecture hours, 6 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides in-depth instruction in diesel engine fuel systems, tuning, and troubleshooting procedures. Additional instruction will cover differentials, final drives, braking and steering systems, tracks, machine undercarriage and Hydrostatics. Emphasis will be placed on fuel injection system calibration and adjustment, and the procedures used to test and adjust various undercarriage components. (A, CSU)

40 INTRODUCTION TO AGRICULTURAL MECHANICS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides an introduction to the agricultural mechanics field. Instruction will be provided in the areas of safety, selection, care, and use of common tools; projects of metal, wood, electrical, and concrete will be emphasized. (A, CSU)

41 INTRODUCTION TO AGRICULTURAL WELDING

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course provides an introduction into the welding industry as it relates to agricultural mechanics. Instruction in the areas of safety, welding processes, equipment, and the properties of metals will be covered. (A, CSU)

42 SMALL GASOLINE AND DIESEL ENGINES

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45, English 1A or 1AH.

This course provides experiences in the theory of operation, maintenance, and repair of small gasoline internal combustion engines. Diesel power will be introduced during the course. (A, CSU)

43 ELECTRICAL AND HYDRAULIC FUNDAMENTALS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides instruction in electrical systems and hydraulic systems. Students will receive training on the fundamentals of hydraulic and electrical systems including theory, application and troubleshooting. (A, CSU)

44 AGRICULTURE WELDING FABRICATION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will provide entry level instruction on welding fabrication. Instruction will be provided in the areas of welding techniques, welding plans and blueprints, cutting, fitting, proper tacking procedures, squaring, and finishing. (A, CSU)

50 HEAVY DUTY BRAKE SYSTEMS

4 units, 2 lecture hours, 6 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Braking systems on today's heavy duty trucks are very complex. This course provides instruction in hydraulic and air brake systems. Theory and operation as well as components and their functions will be covered. Students completing this course will be eligible to take the ASE certification test in the Medium-Heavy Truck Certification Brake area (T4). (A, CSU)

51 HEAVY DUTY SUSPENSION AND STEERING

4 units, 2 lecture hours, 6 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Suspension and Steering systems on today's heavy duty trucks are very complex. This course provides instruction in steering systems and suspension for on-highway trucks. Theory and operation as well as components and their functions will be covered. Students completing this course will be eligible to take the ASE certification test in the Medium-Heavy Truck Certification Suspension and Steering area (T5). (A, CSU)

270 FORKLIFT SAFETY

.5 unit, .33 lecture hours, .5 lab hours, pass/no pass only

Safety guidelines for operating sit-down counter balanced forklifts. Topics to include forklift fundamentals, pre-operation inspection, safe load handling techniques and supervised forklift operation. Course completers will receive a certificate verifying instruction in all required areas of forklift safety in accordance with the Federal Occupational Safety and Health Act (OSHA).

340 INTRODUCTION TO AGRICULTURAL MECHANICS

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides an introduction to the agricultural mechanics field. Instruction will be provided in the areas of safety, selection, care, and use of common tools; projects of metal, wood, electrical, and concrete will be emphasized.

341 INTRODUCTION TO AGRICULTURAL WELDING

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course provides an introduction into the welding industry as it relates to agricultural mechanics. Instruction in the areas of safety, welding processes, equipment, and the properties of metals will be covered.

342 SMALL GASOLINE AND DIESEL ENGINES

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45.

This course provides experiences in the theory of operation, maintenance, and repair of small gasoline internal combustion engines. Diesel power will be introduced during the course.

343 ELECTRICAL AND HYDRAULIC FUNDAMENTALS

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course provides instruction in electrical systems and hydraulic systems. Students will receive training on the fundamentals of hydraulic and electrical systems including theory, application and troubleshooting.

344 AGRICULTURE WELDING FABRICATION

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course will provide entry level instruction on welding fabrication. Instruction will be provided in the areas of welding techniques, welding plans and blueprints, cutting, fitting, proper tacking procedures, squaring, and finishing.

370 FORKLIFT SAFETY

.33 lecture hours, .5 lab hours, pass/no pass only, unlimited repeats

Safety guidelines for operating sit-down counter balanced forklifts. Topics to include forklift fundamentals, preoperation inspection, safe load handling techniques and supervised forklift operation. Course completers will receive a certificate verifying instruction in all required areas of forklift safety in accordance with the Federal Occupational Safety and Health Act (OSHA).

MUSIC (MUS)

1A MUSIC THEORY I

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Music 3, English 1A or 1AH, and Mathematics 3A or 45.

This course will study music notation in treble and bass clefs; intervals, scales, key signatures, triads, seventh chords, nonharmonic tones, analysis. Required of all music majors and minors.(A, CSU, UC) (C-ID MUS 120: MUS 1A MUS 1B MUS 7A)

1B MUSIC THEORY II

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Music 1A. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is a continuation of Music 1A and will build on those skills. This course adds the following: principles of voice leading; four-part writing in choral and keyboard styles; harmonization of melodies; realization of figured bass; detailed investigation of the functional harmonic system used in western tonal music including triads, seventh chords and secondary function chords; basic principles of form in Western Art Music; analysis of representative musical literature. There is an emphasis on music of the 17th, 18th and 19th centuries. Required of all music majors and minors.(A, CSU, UC) (C-ID MUS 120: MUS 1A MUS 1B MUS 7A) (C-ID MUS 130)

2A MUSIC THEORY III

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Music 1B. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the continuation of MUS 1A and MUS 1B. This course focuses on figured bass and part writing emphasizing secondary dominants, diminished sevenths, chromaticism, modulation, remote modulation, and classical forms. Study and analysis of representative musical literature. Detailed study of form in Western art music. Required of all music majors. (A, CSU, UC) (C-ID MUS 140)

2B MUSIC THEORY IV

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Music 2A. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the continuation of Music 2A. It includes the study of extended harmony, modes, parallelism, polychords and polytonality, expanded metric and rhythmic resources, other scales systems and chord formations, synthetic scales, Nontertian harmonies, Twelvetone techniques. Study and analysis of representative musical literature with relation to style and structure is also included. Required of all music majors. (A, CSU, UC) (C-ID MUS 150)

3 MUSIC FUNDAMENTALS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the introduction to the fundamentals of music. It is specifically for non-majors or preparation for Music 1A. Included is music notation, clefs, intervals, scales, chords, key and time signatures, melodic design, ear and rhythmic training, some keyboard application, sight-singing. (A, CSU, UC) (C-ID MUS 110)

5 MIDI MUSIC PRODUCTION

2 units, 2 lecture hours, 1 lab hour

ADVISORIES: Music 3, 20, English 1A or 1AH and Mathematics 3A or 45.

Use of synthesizers, computers, and MIDI sequencing software to compose, edit, and record music. (A, CSU)

7A EAR TRAINING: LEVEL I

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

COREQUISITES: Music 1A taken previously or concurrently. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the practical application of material learned in MUS 1A. It includes sight singing, rhythmic drills, score reading, and melodic, harmonic, and rhythmic dictation. Required of all music majors and minors. (A, CSU, UC) (C-ID MUS 125) (C-ID MUS 120: MUS 1A MUS 1B MUS 7A)

7B EAR TRAINING: LEVEL II

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITES: Music 7A. COREQUISITES: Music 1B taken previously or concurrently. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the continuation of MUS 7A. It includes the practical application of material learned in MUS 1A and MUS 1B. Includes sight singing, rhythmic drills, score reading and melodic, rhythmic, and harmonic dictation. Required of all music majors and minors. (A, CSU, UC) (C-ID MUS 135)

7C EAR TRAINING – LEVEL III

1 unit, 1 lecture hour, 1 lab hour

PREREQUISITES: Music 7B. COREQUISITES: Music 2A taken previously or concurrently. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course develops the concepts of Music Theory III through ear training, sight-singing, analysis, and dictation. (A, CSU, UC) (C-ID MUS 145)

7D EAR TRAINING – LEVEL IV

1 unit, 1 lecture hour, 1 lab hour

PREREQUISITES: Music 7C. COREQUISITES: Music 2B. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course develops the concepts studied in Music Theory IV through ear training, sight singing, analysis, and dictation. (A, CSU, UC) (C-ID MUS 155)

8 AUDIO ENGINEERING

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

Fundamental function and use of all equipment in the modern Recording Studio. Emphasis on application, troubleshooting, and signal path. (A, CSU)

12 MUSIC APPRECIATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course acquaints students with basic musical concepts and terminology. These concepts are then employed in the study of our Western musical heritage from the Middle Ages to the present. (A, CSU-GE, UC, I) (C-ID MUS 100)

12H HONORS MUSIC APPRECIATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

Beginning with basic musical concepts and terminology, this course explores western classical and multicultural musical heritage and concepts. Music's impact on culture, economics, politics, religion, and society from Middle Ages to the present serves as a guide for student directed research. The course will include concert attendance. As an honors section, this class will employ enhanced teaching methods such as seminar approach, and assignments calling for a higher level of critical thinking. Students enrolled in this honors section will develop an in-depth topic of research regarding music and culture's integration to research and present this topic. (A, CSU, UC, I) (C-ID MUS 100)

16 JAZZ HISTORY AND APPRECIATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course studies the history and development of American jazz styles from the early 20th century to the present. It is an introductory course for the general student and/or non-musician. (A, CSU-GE, UC, I)

17 HISTORY OF ROCK

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course examines the music of the most important rock artists and groups from the 1950s through the present. The sociological, economic and cultural factors that shaped rock music, as well as the music's influence on popular culture, will also be covered. (A, CSU, UC)

18 BASIC CONDUCTING AND SCORE READING

2 units, 2 lecture hours, pass/no pass

PREREQUISITES: Music 1A. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

The course will study the fundamentals of conducting and score reading; standard patterns and baton techniques. It will include practice with recordings and college ensembles. The course is designed for the music major. (A, CSU, UC)

20 BEGINNING PIANO: LEVEL I

2 units, 1 lecture hour, 3 lab hours, pass/no pass, 3 repeats

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course develops fundamental piano skills including theory, terminology, technique, and beginning level repertoire. It is designed for the general student as well as the classroom teacher. Recommended for all Music Majors. (A, CSU, UC)

21 BEGINNING PIANO: LEVEL II

2 units, 1 lecture hour, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITES: Music 20 or equivalent skill level. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the continuation of MUS 20: continued technical development of basic 5-finger patterns to include all major and minor keys; simple chord progressions in all keys; continuation of music-reading skills and music theory study that was begun in MUS 20. This is the entry-level class for the music major or general student who has had one-two years of previous piano instruction. (A, CSU, UC)

22 INTERMEDIATE/ADVANCED PIANO

1-2 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours

PREREQUISITES: Music 21 or equivalent skills. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the continuation of MUS 20 and MUS 21 or an entry level piano course for the piano major or for the general student who has had several years of piano instruction. (A, CSU, UC)

24 BEGINNING VOICE - LEVEL I

1 unit, 1 lecture hour, 1 lab hour, pass/no pass, 3 repeats

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course will study beginning tone production and basic voice technique, and singing simple solo songs in English or foreign languages. It is designed for the student with little or no formal voice training. (A, CSU, UC)

26 INTERMEDIATE/ADVANCED VOICE

1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hours, 3 lab hours, 3 repeats

PREREQUISITES: Audition Required. Music 24 or intermediate or advanced level ability as determined by testing by instructor. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course consists of studies in technical, stylistic, and aesthetic elements of performing repertory from the standard vocal solo literature. Solo performance is required. Artistic self expression will be developed through performance of the standard literature for solo voice. Baroque, classic, romantic, 20th century and world music literature will be assigned as appropriate to the students development level. There will be weekly individual instruction designed to help transferring music majors pass vocal jury exams at four-year colleges and universities. Students working toward the Associate in Arts in Music for Transfer (AA-T) are advised to enroll in 1 unit only. Please consult instructor regarding variable units. Audition Required. (A, CSU, UC) (C-ID MUS 160)

27 BEGINNING GUITAR: LEVEL I

2 units, 1 lecture hour, 3 lab hours,
pass/no pass, 3 repeats

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course will present correct right and left hand techniques for efficiency in playing the guitar. It will include strumming, chording, scale playing, arpeggios, single line and solo playing. Both tablature and modern notation are used. Student must supply own guitar (nylon stringed/classical guitar preferred). (A, CSU, UC)

28 BEGINNING GUITAR: LEVEL II

2 units, 1 lecture hour, 3 lab hours,
pass/no pass, 3 repeats

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This class is the continuation and expansion of Music 27 or an entry level guitar course for the guitar major or for the general student who has had one or more years of guitar instruction. Emphasis is on classical guitar techniques, complex rhythms, note reading in first and higher positions, and multivoice solo pieces. (A, CSU, UC)

31 CONCERT CHOIR

1-3 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours
3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Audition required. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course includes the study and performance of a wide variety of choral literature from all musical eras. Participation in all performances is required. (A, CSU, UC) (C-ID MUS 180)

33 CHAMBER SINGERS

1-3 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours
3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Audition required and Music 31 or equivalent skill level. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the study of advanced choral literature from all style periods. Concert and/or tour participation required. (A, CSU, UC)

38 MUSICAL THEATER PRACTICUM

1-3 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours
3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course includes the rehearsal and performance of all, or parts, of a musical theater play, for public performance. (A, CSU, UC)

40 CONCERT BAND

1-3 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours
3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Audition required. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course includes the study and performance of a wide variety of concert band and wind ensemble literatures. Participation in all performances required. (A, CSU, UC) (C-ID MUS 180)

41 JAZZ ENSEMBLE

1-2 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours

PREREQUISITES: Ability to read music and play a musical instrument ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the study and performance of jazz and jazz-rock literature. Participation in all performances required. (A, CSU, UC)

42 INSTRUMENTAL ENSEMBLES

1-2 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours

PREREQUISITES: Audition required. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course provides a performance venue for music majors taking weekly individual private lessons on their chosen major instrument which will include historical and cultural investigation of solo and ensemble literature from the 17th through 21st centuries. Students are required to perform solo juries in front of faculty each semester. Audition required. (A, CSU, UC) (C-ID MUS 160)

43 PEP BAND

1-2 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

This course is the study and performance of a variety of band and pep band literature. Performances include concerts and selected college athletic events. (A, CSU, UC)

45 COLLEGE ORCHESTRA

1-3 units, pass/no pass, 3 repeats
1 unit, 1 lecture hour, 1 lab hour
2 units, 1 lecture hour, 3 lab hours
3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Audition required. ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

Standard orchestral literature of all periods and styles will be read, studied and performed. Participation in performances is required. (A, CSU, UC) (C-ID MUS 180)

81 APPLIED MUSIC MASTERCLASS AND LESSONS

1.5 units, 1 lecture hour, 2.5 lab hours

PREREQUISITE: Audition required.

Intermediate/advanced-level musical performance instruction in a group setting with concurrent private instruction. Progressive development of skills and knowledge needed for solo performance, auditions, and transfer. Achievement evaluated through a juried performance. Recital participation required. Appropriate for Music Majors. (A, CSU)

111 THE MUSIC BUSINESS

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH and Mathematics 3A or 45.

Survey of topics of importance to the professional musician: copyright, publishing, contracts, promotion, and career development. (A)

331 COMMUNITY CHORUS

0 units, 1 lecture hour, 1 lab hour; or 1 lecture hour, 3 lab hours; or 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

The singers will read, rehearse, polish, and perform choral music from a variety of styles and eras. Tone quality, blend, interpretation, style, and musicianship are the focus of rehearsal. A minimum of two performances per semester are required.

380A COMMUNITY BAND

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats

This course includes the study and performance of a wide variety of concert band and wind ensemble literature. Participation in all performances required. This course is designed for community members to maintain and improve their musical skills.

381A COMMUNITY JAZZ ENSEMBLE

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats

This course includes the study and performance of popular dance, jazz, and jazz-rock literature as well as improvisation drills. This course is designed for community members to maintain and improve their musical skills.

382A COMMUNITY INSTRUMENTAL ENSEMBLE

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats

Appropriate solo and ensemble literature will be studied and performed. Students must be able to read music and play a musical instrument. This course is designed for community members to maintain and improve their musical skills.

383A COMMUNITY PIANO

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats

This course is class piano instruction for community members who have completed the Music 20, 21, 22 series and wish to continue to develop their piano skills. This course is designed for community members to maintain and improve their musical skills.

385A COMMUNITY ORCHESTRA

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats

This course includes the study and performance of a wide variety of orchestral literature. Participation in all performances required. This course is designed for community members to maintain and improve their musical skills.

NATURAL RESOURCES (NR)

1 INTRODUCTION TO FORESTRY

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is an overview of natural resources management and technician skills. It is intended for those who wish to work as a technician for natural resource entities such as the U.S. Forest Service. History of resources management, governmental and private land management entity structure, basic hand tool identification and use, map reading, forest health, personal safety and first aid, and forest measurements will be included. Field trips may be required. (A, CSU)

3 COMPUTERS IN NATURAL RESOURCES

1 unit, .5 lecture hour, 1.5 lab hours

ADVISORIES: English 1A or 1AH.

This course is for natural resources students with little or no knowledge of microcomputers. Topics include an introduction to microcomputers, their importance in the field of natural resources, and various problem-solving software packages commonly used in the natural resources industry. (A, CSU)

4 FOREST ECOSYSTEMS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

The forest community is used as a model to discuss the role of ecology in forest management. Students will become familiar with basic biological concepts which are the building blocks for understanding forest ecosystems. Students will gain a better understanding of biological processes and organization, the physical environment, and ecological processes such as: nutrient cycling, succession, natural selection, and application of the scientific method. (A, CSU, UC)

5 WILDLAND FIRE TECHNOLOGY

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course will prepare students for basic employment as a wildland fire fighter with State and Federal agencies. Successful completers may earn basic National Wildfire Coordinating Group course certificates for ICS I-100, S-130, S-190, L-180 and IS-700. The course stresses field performance and teamwork. (A, CSU)

6 DENDROLOGY

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

Students will study the ranges and botanical characteristics of the major natural trees and shrubs in the Western United States. Students will learn to collect, preserve, and identify plants. Frequent field trips that may extend beyond scheduled lab hours are required. (A, CSU, UC)

7 CONSERVATION OF NATURAL RESOURCES

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course examines the use and protection of natural resources, including soil, water, forest, mineral, plants, and animal life, with particular attention to Central California conditions. Course examines ecological principles, history of the conservation movement, modern problems in resource use, and the citizen's role in conservation. (A, CSU-GE, UC, I)

8 NATURAL RESOURCES CAREER PREPARATION

1 unit, 1 lecture hour

ADVISORIES: English 1A or 1AH.

This course will cover the development of goals and skills required to secure a job in the natural resources field including job search, résumé/cover letter development, interviewing and motivation. This course is also a seminar on workplace issues within natural resources addressing elements of leadership, communication skills, work ethic, human behavior of individuals and groups, team building and dynamics, decision-making along with rating and evaluation, supervision skills of controlling work force and conflict resolution. This course will include guest speakers (e.g. Forest Service) presenting on topics listed above and coming to recruit students for job placement. (A, CSU)

11 SILVICULTURE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

Students will learn the concepts of managing forests for establishment, growth, composition, health, and quality of forests on a sustained yield basis, using varying techniques including: precommercial and commercial harvesting, regeneration methods, site preparation, and forest pest controls. In this course emphasis is placed upon meeting the objectives of landowners through appropriate silvicultural systems as required by federal and/or state regulations. Field trips may be required for this course. (A, CSU)

12 WATERSHED ECOLOGY

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

In this course students will learn about watershed ecology including, lakes, streams, and rivers. Students will gain an understanding of water storage facilities and water utilization issues. Students will also gain an understanding of fisheries management issues. The course covers use of instruments to monitor water quality at numerous field sites. Field exercises include studies of the lower Kings River, Pine Flat Reservoir, and agricultural water uses. Students will be introduced to the methods, techniques, and tools used to manage and enhance watershed health. Laboratory is required. Field trips may be required for this course. (A, CSU)

14 PRINCIPLES OF WILDLIFE MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course will be an examination of plant and animal ecology in relation to wildlife management. There will be a review of wildlife management techniques. Identification of wildlife species found in the western United States and the evaluation of the role of wildlife management in endangered species recovery will be learned. Field trips may be required in this course. (A, CSU)

15 PRINCIPLES OF FISHERIES MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course will be an examination of freshwater fish ecology in relation to fisheries management. There will be a review of fisheries management techniques. Identification of fish species found in the western United States and the evaluation of the role of fisheries management in endangered species recovery will be learned. Field trips may be required in this course. (A, CSU)

17 INTRODUCTION TO FOREST SURVEYING

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Students will learn the use of basic surveying equipment such as hand compass, staff compass, topographic and engineer's chain, electronic distance machine (EDM), total station, automatic level, Global Positioning System (GPS) and Philadelphia rod in the measurement of distance, direction, and elevation. Collecting, recording, and plotting field data using field workbooks, and/or computer software will be learned. Field trips may be required in this course. (A, CSU)

18 REMOTE SENSING & GEOGRAPHIC INFORMATION SYSTEMS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course will cover interpretation and use of aerial photographs, remote sensing, and of geographic information systems (GIS) as they relate to natural resources, and will include photo scale calculations, point location, locating datasets and photographs, and field verification of vegetation/conditions. Additionally, questions pertaining to natural resource issues will be addressed through analyzing, creating, displaying, and modeling feature data (i.e. soils, topography, vegetative cover, etc.) using geographic information systems (GIS). This course will also cover the fundamentals of using ESRI ArcGIS software in GIS applications. Field trips may be required in this course. (A, CSU, UC)

19V COOPERATIVE WORK EXPERIENCE – FORESTRY

1-8 units

This course is a work experience internship for natural resources students. Students will be monitored and advised through this class. Documentation of work progress will be provided to the instructor by the student and the work supervisor. Students will learn specific and general career skills in preparation for more advanced responsibilities upon completion of the educational program. The student must be employed or serving as a volunteer with an entity which is approved by the instructor. Employer must agree to participate in this internship, provide appropriate skills instruction and supervision, and submit a performance evaluation to the college. Students may enroll for a maximum of 8 units per semester. Students earn units using the following formula: 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

20 FOREST MEASUREMENTS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

Students will learn about the measurement of timber and growth quantity and quality. Students will study timber inventory systems, cruise design, aerial photographic interpretation, and log scaling. Measurement of natural resources including forest inventory, tree growth, and rangeland resources will be learned. Topics covered may include basic statistical methods, sampling design, log scaling, tree volume calculations, and tree measurement. Students will use forestry equipment such as a Relaskop, scaling stick, wedge prism, and clinometer. Field trips may be required in this course. (A, CSU)

21 FOREST PRODUCTS

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is a technological study of wood manufacturing processes. Operations from contract through harvest, transport, and sawmill will be learned. Students will study safety codes and laws, other forest products and their uses, and new developments will be learned. This course also includes wood and defect identification. Field trips may be required in this course. (A, CSU)

22 FOREST PROTECTION

2 units, 1.5 lecture hours, 1.5 lab hours

ADVISORIES: English 1A or 1AH.

This course will cover major forest disease and insect problems, with an emphasis on their recognition and management. It will also include wildland fire prevention and management. (A, CSU)

23 UTILITY VEGETATION MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course will introduce the student to the discipline of utility vegetation management. The topics of tree risk assessment, common tree growth rates and utility pruning will be covered. (A, CSU)

25 FOREST AND RESOURCE MANAGEMENT

1 unit, 1 lecture hour

PREREQUISITE: Natural Resources 1. ADVISORIES: English 1A or 1AH.

This course is designed to be a capstone to the forest/natural resource curriculum. Application of advanced technical skills obtained in previous courses required for graduation will be applied. Emphasis on direct, "on-the-ground" management of a working forest, applying arts, skills, and knowledge in solving practical field problems in a working environment. Emphasis will be on one or more of the following: ecology, engineering, forest regulations, finance, mensuration, protection, recreation, silviculture, supervision, wildlife, social, political, and economic considerations. Field trips may be required this course. (A, CSU)

30 FOREST RECREATION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

The course prepares students for entry-level duties as a recreation technician. Study topics include water-oriented recreation, winter sports, wilderness management, and administration of recreation contracts. Trail construction skills are emphasized, and include maintenance and use of crosscut saws, rock drills, cable hoists and animal pack stock. Activities include campground planning, soil conservation practices and field trips to public and private recreation facilities. Laboratory will include operation of trucks and tractors to hitch and pull trailers and implements. Field trips may be required in this course. (A, CSU)

31 ANIMAL PACKING

2 units, 1 lecture hour, 3 lab hours

ADVISORIES: English 1A or 1AH.

Students will develop skills in packing, driving and riding mules and horses. Students will gain experience in handling, feeding, health care and safety. Students will experience riding, packing and driving under arena and trail conditions. Low impact environmental livestock techniques and wilderness etiquette will be learned. (A, CSU)

32A MUSEUM TECHNIQUES-BEGINNING TAXIDERMY

1 unit, .5 lecture hour, 2.5 lab hours

ADVISORIES: English 1A or 1AH.

This course is an introduction to the art of preparing, stuffing, and mounting the skins of animals (especially vertebrates) for study or display. (A, CSU)

32B MUSEUM TECHNIQUES-INTERMEDIATE TAXIDERMY

1 unit, .5 lecture hour, 2.5 lab hours

PREREQUISITES: Natural Resources 32A. ADVISORIES: English 1A or 1AH.

This course is an introduction to intermediate skills in the art of preparing, stuffing, and mounting the skins of animals (especially vertebrates) for study or display. (A, CSU)

32C MUSEUM TECHNIQUES-ADVANCED TAXIDERMY

1 unit, .5 lecture hour, 2.5 lab hours

PREREQUISITES: Natural Resources 32B. ADVISORIES: English 1A or 1AH.

This course is an introduction to advanced techniques for stuffing and mounting the skins of animals (especially vertebrates) for study or display. (A, CSU)

34 CONSERVATION LABORATORY

1 unit, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is the application of conservation techniques, basic ecological principles, energy efficiency, and group study using basic scientific methods. There will be frequent field trips and one extended overnight field trip might be required. (A, CSU)

35 INTERPRETATION OF NATURAL RESOURCES

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Natural Resources 1 and English 1A or 1AH.

Students will learn the theory and techniques of thematic environmental interpretation. Logical organization and composition of guided and self-guided media will be learned. Practical application through public presentation including narrated walks and campfire talks will be learned. Topics covered will include development of self-guided interpretive media including signs, brochures, and interpretive center displays. Field trips may be required for this course. (A, CSU)

36 NATURAL RESOURCES LAW ENFORCEMENT

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course is an introduction to the fundamentals of natural resources law, including federal and the state of California; interpretation of laws, rules, regulations, and methods of application. (A, CSU)

40 FOREST MACHINERY

2 units, 1 lecture hour, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is designed to acquaint the student with the safe operation, preventative maintenance and general use of heavy equipment used in forestry. Course not intended to develop expertise, but to develop an awareness of track laying vehicles, wheeled equipment, pumping systems, jackhammers, and cable yarding systems. Contract inspection and administration standards are also part of this course. (A, CSU)

43 WILDLAND FIRE TECHNOLOGY 2

3 units, 2 lecture hours, 3 lab hours

PREREQUISITE: Natural Resources 5. ADVISORIES: English 1A or 1AH.

This course, in concert with Wildland Fire Technology 1 (NR-5), will prepare students for entry level employment as a wildland firefighter with Cal Fire and would enhance employment options with Federal wildfire agencies. (A, CSU)

44 FIRE ECOLOGY

3 units, 3 lecture hours

COREQUISITE: Natural Resources 5. ADVISORIES: English 1A or 1AH.

This course provides preparation for employment and advancement within State and Federal wildland fire management agencies. This course will convey what is currently understood about the role of wildfire in major ecosystem types. Analysis of plant and animal characteristics that appear to have co-evolved with fire regimes and how human cultures have used and modified fire regimes, historically and currently will be learned. Field trips may be required in this course. (A, CSU)

45 FUELS MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

COREQUISITES: Natural Resources 5. ADVISORIES: English 1A or 1AH.

This course provides preparation for employment and advancement within State and Federal wildland fire management agencies. This course will provide students with the knowledge of hazardous fuels mitigation to reduce the damaging effects of wildfires to natural resources and human improvements. Emphasis will be placed on prescribed burning, smoke management mitigations, coordination with silvicultural practices, and wildland-urban interface mitigations. Field trips may be required in this course. (A, CSU)

46 WILDLAND FIRE TECHNOLOGY 3

1 unit, .5 lecture hour, 1.72 lab hours

COREQUISITE: Natural Resources 43. ADVISORIES: English 1A or 1AH.

This course in concert with Wildland Fire Technology 2 (NR-43), will prepare students for entry level employment as a wildland firefighter with Cal Fire specifically. (A, CSU)

90 BACKPACKING

1 unit, .5 lecture hour, 1.5 lab hours

ADVISORIES: English 1A or 1AH.

This course is designed to give students basic skills in backcountry travel. Topics covered will include route planning, equipment selection, multiple night travel, trail etiquette, food preparation, campsite selection, basic map reading and compass use, and backcountry safety. Students will gain basic knowledge and experience aimed at increasing their confidence in traveling in the backcountry. Field trip is required for this course. (A, CSU)

91 WILDERNESS NAVIGATION

1 unit, .83 lecture hour, .5 lab hour

ADVISORIES: English 1A or 1AH.

This course will introduce students to map and compass use, coordinate systems, map symbols, topographic maps, GPS use, and orienteering. Students will gain hands-on experience with GPS and map and compass mountain navigation. Field trips are required in this course. (A, CSU)

92 WILDERNESS SURVIVAL

1 unit, .5 lecture hour, 1.5 lab hours

ADVISORIES: English 1A or 1AH.

This course will prepare students for travel in wilderness environments and extended outdoor situations with limited equipment. It will include shelter building, fire making, food and water collection, and safety in wilderness settings. Field trips will be required in this course. (A, CSU)

108 INTRODUCTION TO FORESTRY FIELD STUDIES

.5 unit, .23 lecture hour, 1 lab hour, pass/no pass only

This is a practical field course to introduce the student to the subjects in forestry/natural resources, including fire suppression, fire management, timber harvesting, timber management, outdoor recreation, wildfire and fish management, and forest engineering. Room and board fee required. Taught at the school forest or other field setting. Field trip is required for this course. (A)

109 FORESTRY FIELD STUDIES I

.5 unit, .23 lecture hour, 1 lab hour, pass/no pass only

This is a practical field course to introduce the student to forest conservation practices including the construction of soil erosion structures. Forest fuels management and timber stand improvement prescriptions will be studied and implemented. Room and board fee required. Taught at the school forest or other natural habitat area. Field trip is required for this course. (A)

110 FORESTRY FIELD STUDIES II

.5 unit, .23 lecture hour, 1 lab hour, pass/no pass only

This is a field course for the practical application of forest skills in actual field conditions on the school forest. Field problems and work projects may include inventory techniques, plant species identification, population enumeration, conservation techniques, forest construction techniques, and orienteering. Room and board fee required. Taught at school forest or other natural area. Field trip required for this course. (A)

115 ADVANCED FIELD STUDIES I

.5 unit, .23 lecture hour, 1 lab hour, pass/no pass only

This is an advanced practical field course taught during the fall semester at the school forest. Designed to apply skills acquired in other natural resources courses and under actual field conditions. Subjects include timber sale planning and preparation, harvest systems, recreation planning and analysis, silviculture application, land boundary determination, and leadership-crew dynamics. Course consists of a work day emulating field techniques of the natural resources industry. A room and board fee is required. Field trip required for this course. (A)

116 ADVANCED FIELD STUDIES II

.5 unit, .23 lecture hour, 1 lab hour, pass/no pass only

This is an advanced practical field course taught during the spring semester at the school forest. Designed to apply skills acquired in other natural resources courses and under field conditions. Subjects include fisheries and wildlife analysis, aerial photo interpretation, vegetative inventory systems, and integrated forest construction projects, and field problems. Course consists of a workday emulating field techniques of the natural resources profession. A room and board fee is required. Field trip required for this course. (A)

133 INTRODUCTION TO CHAINSAW OPERATIONS

1 unit, .5 lecture hour, 1.5 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides introductory level training for the use of chainsaws in the forestry and natural resources field. Emphasis is placed on defining and applying chainsaw safety standards, maintenance and function of personal protective equipment (PPE), identification of chainsaw parts, maintenance, tuning, and tactical application of techniques required for brushing, limbing, bucking, and falling trees. (A)

301 INTRODUCTION TO FORESTRY

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is an overview of natural resources management and technician skills. It is intended for those who wish to work as a technician for natural resource entities such as the U.S. Forest Service. History of resources management, governmental and private land management entity structure, basic hand tool identification and use, map reading, forest health, personal safety and first aid, and forest measurements will be included. Field trips may be required.

305 WILDLAND FIRE TECHNOLOGY

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course will prepare students for basic employment as a wildland fire fighter with State and Federal agencies. Successful completers may earn basic National Wildfire Coordinating Group course certificates for ICS I-100, S-130, S-190, L-180 and IS-700. The course stresses field performance and teamwork.

308 NATURAL RESOURCES CAREER PREPARATION

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course will cover the development of goals and skills required to secure a job in the natural resources field including job search, resume/cover letter development, interviewing and motivation. This course is also a seminar on workplace issues within natural resources addressing elements of leadership, communication skills, work ethic, human behavior of individuals and groups, team building and dynamics, decision-making along with rating and evaluation, supervision skills of controlling work force and conflict resolution. This course will include guest speakers (e.g. Forest Service) presenting on topics listed above and coming to recruit students for job placement.

309 FORESTRY FIELD STUDIES I

0 units, 0.23 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This is a practical field course to introduce the student to forest conservation practices including the construction of soil erosion structures. Forest fuels management and timber stand improvement prescriptions will be studied and implemented. Room and board fee required. Taught at the school forest or other natural habitat area. Field trip is required for this course.

310 FORESTRY FIELD STUDIES II

0 units, 0.23 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

This is a field course for the practical application of forest skills in actual field conditions on the school forest. Field problems and work projects may include inventory techniques, plant species identification, population enumeration, conservation techniques, forest construction techniques, and orienteering. Room and board fee required. Taught at school forest or other natural area. Field trip required for this course.

315 ADVANCED FIELD STUDIES I

0 units, 0.23 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

This is an advanced practical field course taught during the fall semester at the school forest. Designed to apply skills acquired in other natural resources courses and under actual field conditions. Subjects include timber sale planning and preparation, harvest systems, recreation planning and analysis, silviculture application, land boundary determination, and leadership-crew dynamics. Course consists of a work day emulating field techniques of the natural resources industry. A room and board fee is required. Field trip required for this course.

316 ADVANCED FIELD STUDIES II

0 units, 0.23 lecture hours, 1 lab hours, pass/no pass only, unlimited repeats

This is an advanced practical field course taught during the spring semester at the school forest. Designed to apply skills acquired in other natural resources courses and under field conditions. Subjects include fisheries and wildlife analysis, aerial photo interpretation, vegetative inventory systems, and integrated forest construction projects, and field problems. Course consists of a workday emulating field techniques of the natural resources profession. A room and board fee is required. Field trip required for this course.

331 ANIMAL PACKING

0 units, 1 lecture hour, 3 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Students will develop skills in packing, driving and riding mules and horses. Students will gain experience in handling, feeding, health care and safety. Students will experience riding, packing and driving under arena and trail conditions. Low impact environmental livestock techniques and wilderness etiquette will be learned.

332 MUSEUM TECHNIQUES-TAXIDERMY

0 units, .5 lecture hours, 2.5 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is an introduction to the art of preparing, stuffing, and mounting the skins of animals (especially vertebrates) for study or display.

333 INTRODUCTION TO CHAINSAW OPERATIONS

0 units, 0.5 lecture hours, 1.5 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course provides introductory level training for the use of chainsaws in the forestry and natural resources field. Emphasis is placed on defining and applying chainsaw safety standards, maintenance and function of personal protective equipment (PPE), identification of chainsaw parts, maintenance, tuning, and tactical application of techniques required for brushing, limbing, bucking, and falling trees.

350 INCIDENT COMMAND SYSTEM 200

0 units, 1 lecture hour, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). This course focuses on the management of single resources.

351 S-211 PORTABLE PUMPS AND WATER USE

0 units, 1 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course covers principles of positive displacement pumps but focuses on the Wajax-Pacific Mark III Pump which is primarily used by the National Fire Equipment System. Instruction emphasizes effective and efficient utilization of portable pumps and water under field conditions.

352 RT-130 WILDLAND FIRE TOPICS – SAFETY TRAINING

0 units, 1.56 lecture hours, .45 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

The Wildland Fire Topics course provides a range of training options to meet National Wildfire Coordinating Group (NWCG) position training requirements and agency specific course hours requirements. This course will focus on operations and decision-making issues related to fireline and all hazard incident safety in order to recognize and mitigate risk, maintain safe and effective practices, and reduce accidents and near misses.

353 S-131 WILDLAND FIREFIGHTER TYPE 1

0 units, .67 lecture hours, pass/no pass only, unlimited repeats

LIMITATION ON ENROLLMENT: Students must be qualified as a National Wildfire Coordinating Group (NWCG), Fire Fighter Type 2 (FFT-). ADVISORIES: English 1A or 1AH.

This course is targeted for personnel desiring to be qualified as a Firefighter Type 1 (FFT-1) and or Incident Commander Type 5 (ICT5) in the Federal fire service. Course content will cover what is required to meet the training needs of the NWCG Firefighter Type 1 and or Incident Commander Type 5. Topics include operational leadership, communications, Look-outs/Communications/Escape routes/Safety Zones and tactical decision making. This course contains class discussion and several tactical decision games designed to facilitate learning the objectives. Upon completion, students must then take and pass a final assessment to receive NWCG certificate.

354 S-219 FIRING OPERATIONS

0 units, 1.12 lecture hours, .23 lab hours, pass/no pass only, unlimited repeats

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a firefighter type 2 (FFT2). ADVISORIES: English 1A or 1AH.

The course introduces the roles and responsibilities of a Firing Boss, Single Resource (FIRB), and outlines duties of other personnel who may engage firing operations. The course discusses and illustrates common firing devices and techniques. The course provides students with important information regarding general tasks required to be successful. When feasible this course will demonstrate to students a real ignition or demonstrate the use of an actual firing device will assist in transferring these new concepts and skills to the job. There is an optional field day outlined in the course, it is the discretion of the delivery unit to include the field day.

355 S-212 WILDLAND FIRE CHAINSAWS

0 units, 1.34 lecture hours, .5 lab hours, pass/no pass only, unlimited repeats

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a Firefighter Type 2 (FFT2) and satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

The course provides introduction to the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw and provide hands-on cutting experience in surroundings similar to fireline situations. This course is targeted for individuals desiring to be qualified as Basic Faller (FAL3), Firefighter Type 1 (FFT1), Incident Commander Type 5 (ICT5), or Felling Boss, Single Resource (FELB) under the National Wildfire Coordinating Group qualification system.

356 L-280 FOLLOWERSHIP TO LEADERSHIP

0 units, .92 lecture hours, .25 lab hours, pass/no pass only, unlimited repeats

LIMITATION ON ENROLLMENT: Experience on a wildland fire incident in operations or support functions, successful completion of L-180, Human Factors in the Wildland Fire Service and satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

This course is designed as a self-assessment opportunity for individuals preparing to step into a leadership role in the wildland fire service. The course combines one day of classroom instruction followed by a second day in the field with students working through a series of problem-solving events in small teams (Field Leadership Assessment Course). Topics include leadership values and principles, transition challenges for new leaders, situational leadership, team cohesion factors, ethical decision-making, and after-action review techniques. Some course delivery may be arduous in nature.

357 S-230 CREW BOSS (SINGLE RESOURCE)

0 units, 1.5 lecture hours, pass/no pass, unlimited repeats

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as Firefighter Type 1 (FFT1) and successful completion of Intermediate Wildland Fire Behavior (S-290) with satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

Crew Boss (Single Resource), S-230 is a course designed to meet the training needs of a crew boss on a wildland fire incident. The purpose is to provide fire suppression trainees with the skills/knowledge required to perform tasks listed in National Wildfire Coordinating Group Single Resource Boss.

358 S-231 ENGINE BOSS

0 units, .9 lecture hours, pass/no pass, unlimited repeats

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a Firefighter Type 1 (FFT1) and successful completion of S-230, Crew Boss (Single Resource) (CRWB). ADVISORIES: English 1A or1AH.

This course is suggested training for the position of Single Resource Boss. Upon completion students will be able to perform Engine Boss tasks and make tactical decisions required to safely manage an engine and the associated personnel on an incident.

359 S-236 HEAVY EQUIPMENT BOSS

0 units, 1.12 lecture hours, .23 lab hours, pass/no pass, unlimited repeats

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as Firefighter Type 1 (FFT1) and satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

This course is designed to meet the training needs of a Heavy Equipment Boss, Single Resource (HEQB) on an incident as outlined in the National Incident Management System: Wildland Fire Qualification System Guide, PMS 310-1, and the position task book developed for the position. The target group for this course is personnel desiring to be qualified as Heavy Equipment Boss, Single Resource (HEQB). Primary considerations are tactical use and safety precautions required to establish and maintain an effective dozer operation. A field exercise is required as part of the course.

360 S-290 INTERMEDIATE FIRE BEHAVIOR

0 units, 2 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is designed to prepare the prospective fireline supervisor to undertake safe and effective fire management operations. It serves to develop fire behavior prediction knowledge and skills. Fire environment differences are discussed as necessary; instructor should stress local conditions.

361 EMT - EMERGENCY MEDICAL TECHNICIAN

0 units, 5.5 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is an introduction to the basic of Emergency Medical Technician requirements: including medical and trauma skills, basic anatomy and physiology, and airway management. Students will learn to properly asses the sick and injured, as related to communicable disease and trauma. Students will learn practical skills of Basic Life Support (BLS), taking blood pressure, pulses, respiratory rates, ling sounds, complete body checks, administration of oxygen, and the use of various adjuncts to assist in the management of an injured persons airway. This course has been developed for individuals who desire to perform emergency medical care.

362 M-410 FACILITATIVE INSTRUCTOR

0 units, 2 lecture hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course is designed to help students become effective facilitative instructors. The purpose of this course is to improve training delivery and quality by presenting instructional methods with an emphasis on student-oriented adult training techniques. This course is designed for students to meet NWCG instructor requirements.

390 BACKPACKING

0 units, .5 lecture hours, 1.5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course is designed to give students basic skills in backcountry travel. Topics covered will include route planning, equipment selection, multiple night travel, trail etiquette, food preparation, campsite selection, basic map reading and compass use, and backcountry safety. Students will gain basic knowledge and experience aimed at increasing their confidence in traveling in the backcountry. Field trip is required for this course.

391 WILDERNESS NAVIGATION

0 units, .83 lecture hours, .5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course will introduce students to map and compass use, coordinate systems, map symbols, topographic maps, GPS use, and orienteering. Students will gain hands-on experience with GPS and map and compass mountain navigation. Field trips are required in this course.

392 WILDERNESS SURVIVAL

0 units, .5 lecture hours, 1.5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

This course will prepare students for travel in wilderness environments and extended outdoor situations with limited equipment. It will include shelter building, fire making, food and water collection, and safety in wilderness settings. Field trips will be required in this course.

395 INTEGRATED FUELS MANAGEMENT

0 units, 8 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Natural Resources 305, 308, and 333; or Natural Resources 98.LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience. ADVISORIES: Natural Resources 309, 310, 315, and 316.

This Course will allow for advancement in wildland fire fuels and prescribed fire concepts, leadership development and overall knowledge base in hazardous wildland fire fuels management. Work Labs will be tied to agency projects which will provide students the opportunity to apply skills and leadership in a training environment. Students who complete this course will have required training and experience to competitively apply for state, federal and private fuels management occupations. This course will also provide a pathway to current and former wildland fire employees that meet the course equivalent and work experience.

397 WILDLAND FIRE SCHOOL-FUNDAMENTALS

0 units, 11 lecture hours, 9 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Natural Resources 398 or 305 or equivalent courses. COREQUISITES: Natural Resources 308 and 333 or equivalent courses. ADVISORIES: Natural Resources 108 or 309 or 310 or 315 or 316 and English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

The Wild land Fire School Fundamentals course is a rigorous work simulation program that trains students for the wildland fire suppression and fuels reduction service. Students who complete the Wildland Fire School Fundamentals will be fully qualified to fill the position as a Federal wildland firefighter under the National Wild land Fire Coordinating Group (NWCG} Standards. This program's training approach is rooted in its field -based lessons where the students are first trained in the classroom then are prepared in the wildland environment that mimics fire-based scenarios and proficiency drills. 60-70 percent of the training hours will be in the field utilizing various forest and timberland environments as well as cooperative local agency projects. The Wildland Fire School Fundamentals is targeted for students who are interested in pursuing jobs in the field of wild land fire suppression and fuels management. This course is the pathway foundation for Career Technical Education training and degree programs specializing in wildland fire suppression and fuels management under the Natural Resource land management agencies.

398 WILDLAND FIRE-BASICS

0 units, 3.5 lecture hours, 4.5 lab hours, pass/no pass only, unlimited repeats

ADVISORIES: English 1A or 1AH.

This course will prepare students for basic employment as a wildland fire fighter with State and Federal agencies. Successful completers may earn basic National Wildfire Coordinating Group course certificates for ICS 1-100, S-130, S-190, L-180 and IS-700. Students will have the opportunity to experience the physical training standards as well as the physical demands of the job in a fieldwork setting. Additionally, this course provides introductory level training for the use of chainsaws in the forestry and natural resources field. Emphasis is placed on defining and applying chainsaw safety standards, maintenance and function of personal protective equipment (PPE), identification of chainsaw parts, maintenance, tuning, and tactical application of techniques required for brushing, limbing, bucking, and falling trees. This course will also cover the development of goals and skills required to secure a job in the natural resources field including job search, resume/cover letter development, interviewing and motivation. This course is also a seminar on workplace issues within natural resources addressing elements of leadership, communication skills, work ethic, human behavior of individuals and groups, team building and dynamics, decision-making along with rating and evaluation, supervision skills of controlling work force and conflict resolution.

NURSING ASSISTANT TRAINING (NAT)

101 NURSING ASSISTANT TRAINING

6 units, 4.67 lecture hours, 6 lab hours

ADVISORIES: Office Technology 10.

The content of the Nursing Assistant Training course includes personal care skills and communication skills with emphasis on caring for the geriatric and rehabilitative resident, for entry level positions. This competency-based course prepares students in core skills needed for more advanced courses in the health care careers and is held both in the classroom and in a community training site. This course prepares the student to be employed in a licensed extended care facility, an intermediate care facility, an acute hospital, a doctor's office, or clinic. Upon successful completion of this course students are able to take a state mandated test and be approved as a Certified Nursing Assistant by the Department of Health Services. (A)

102 NURSING ASSISTANT THEORY

5.5 units, 5.6 lecture hours

ADVISORIES: Office Technology 10.

The content of the Nursing Assistant Training course includes personal care skills and communication skills with emphasis on caring for the geriatric and rehabilitative resident, for entry level positions. This competency-based course prepares students in core skills needed for more advanced courses in the health care careers and is held in the classroom located at the skilled nursing facility. This course prepares the student to be eligible to attend NAT clinical 103. Upon successful completion of this course students are able to practice skills at the bed side during NAT- clinical 103. (A)

103 NURSING ASSISTANT CLINICAL

2 units, 6 lab hours, pass/no pass only

PREREQUISITE: Nursing Assistant Training 102.

The content of the Nursing Assistant Clinical course includes personal care skills and communication skills with emphasis on caring for the geriatric and rehabilitative resident, for entry level positions. This competency-based course prepares students in core skills needed for more advanced courses in the health care careers and is held in a community training site. This course prepares the student to be employed in a licensed extended care facility, an intermediate care facility, an acute hospital, hospice services agencies, or clinic. Upon successful completion of this course students are able to take a state mandated test and be approved as Certified Nursing Assistant by the Department of Health Services. (A)

104 NURSING MEDICAL TERMINOLOGY

3 units, 3 lecture hours

COREQUISITES: Nursing Assistant Training 102 and 103.

This course provides Nursing Assistant students an opportunity to learn medical vocabulary in the field of geriatric nursing care in a long term care facility and patient care in acute hospitals with concentration on prefixes, suffixes, and root words. Emphasis is given to word dissection and definitions as applied to the body systems including the terminology used in examinations, diagnoses, charting, documentation, orders, procedures, laboratory investigations, and medical reports. Students must pass a final definition exam with 95% accuracy in order to pass the course. This course provides Nursing Assistant Training students the terminology required of the field. This course will be taught in conjunction with students enrolled in NAT 102 and NAT 103. (A)

OFFICE TECHNOLOGY (OT)

1 COMPUTER BASICS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/ no pass

This course provides students with an introduction to basic computer skills for the office worker. It introduces computer hardware and software, including the use of a mouse and a keyboard, as well as an introduction to the windows operating system. Word processing and spreadsheet software will be introduced. Students will access the Internet and perform basic searches.

This course is not open to students with credit in Information Systems 15 or 12. (A, CSU)

5 DOCUMENT FORMATTING

1.5 units, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Office Technology 11A.

Using current word processing software, students enrolled in this course will learn how to correctly format business documents. Areas of emphasis are letters, memos, reports, column layout, medical reports, and other frequently used business documents. (A, CSU)

6 DATA ENTRY USING QUICKBOOKS

1.5 units, 1 lecture hour, 1.5 lab hours

ADVISORIES: Office Technology 150 or equivalent, Mathematics 201 and English 132.

This course will introduce the principles and procedures of data entry for business, industry, and government offices while teaching Quickbooks software. Students will prepare source documents, transcribe information, enter and process data on computers. This course is intended to prepare students for non-management, entry level jobs. (A, CSU)

10 MEDICAL TERMINOLOGY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course provides students an opportunity to learn medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis is given to word dissection and definitions as applied to the body systems including the terminology used in examinations, diagnoses, procedures, laboratory investigations, and medical reports. Students must pass a final 160-word definition exam with 95% accuracy in order to pass the course. (A, CSU)

11A MICROSOFT WORD ESSENTIALS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/ no pass

This course is designed for the student who wishes to enter the work force with an understanding of the basic operations of word processing using Microsoft Word. Topics will include creating, editing, formatting, saving, and printing documents. The student is expected to complete assignments outside of class. (A, CSU)

11C WORD PROCESSING PROJECTS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/ no pass

PREREQUISITES: Office Technology 11A or equivalent. ADVISORIES: Mathematics 201; keyboard 40 wpm.

This course uses a mastery approach to completing word processing projects. The course teaches advanced word processing skills, using current word processing software, emphasizing text editing, document formatting and processing, forms and tables, as well as the customization of the word processor. Office Technology 11C includes an introduction to desktop publishing. The student is expected to complete assignments outside of class. (A, CSU)

12A MICROSOFT EXCEL ESSENTIALS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/no pass

This course is designed for the student who wishes to enter the work force with a basic understanding of Microsoft Excel spreadsheets. Topics will include creating and formatting worksheets, using formulas and functions, and creating graphs. (A, CSU)

12C SPREADSHEET PROJECTS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/no pass

PREREQUISITES: Office Technology 12A.

This course is designed to cover advanced spreadsheet operations including pivot tables, sorting and filtering lists, creating macros, linking spreadsheets, and advanced formulas and functions. Students are expected to complete computer assignments outside of class. (A, CSU)

13A MICROSOFT ACCESS ESSENTIALS

1.5 units, 1.5 lecture hours, .5 lab hour, pass/no pass

ADVISORIES: Mathematics 201.

This course is designed for the student who wishes to enter the work force with a basic understanding of Microsoft Access databases. Topics will include creating and editing tables, creating and using forms, creating and using queries, creating and printing reports, and sorting and indexing databases. Students are expected to complete computer assignments outside of class. (A, CSU)

16 PREPARING FOR A JOB INTERVIEW

1 unit, 1 lecture hour, pass/no pass

This course is designed to prepare the Office Technology student to conduct an effective job search within the office assistant, administrative assistant or medical office assistant career path. A variety of topics will be covered including personal skill evaluations; where and how to look for office jobs; writing a cover letter and résumé, highlighting and implementing their office technology skills; correctly completing an office job application; interview attire; body language and personal mannerisms; management of cell phones and voice mail; the intent of general interview questions as well as questions specific to office technology; and follow-up calls and letters. (A, CSU)

17 JOB RETENTION AND RESPONSIBILITIES

1 unit, 1 lecture hour, pass/no pass

This course covers a variety of topics related to succeeding at work as an office assistant, an administrative assistant, a secretary, and/or a medical administrative assistant. Topics include job orientation, business office employer expectations, customer service, dealing with difficult coworkers in the office, goal setting and career planning, mentoring, continuing education, and business ethics. Students will also be asked to examine their personal lives to determine and correct any potential issues that may hinder their ability to maintain their jobs in an office. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE - OFFICE TECHNOLOGY

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment, pass/ no pass

Supervised employment, directly related to student's major in office technology. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

28 MEDICAL OFFICE MANAGEMENT SOFTWARE

1.5 units, 1.5 lecture hours, .5 lab hour, pass/no pass

This course introduces the student to medical office management software. Students will learn to enter patient information, insurance information, procedural and diagnostic codes, post charges and payments, schedule appointments, and generate reports. (A, CSU)

41 MEDICAL ADMINISTRATIVE ASSISTANT

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Office Technology 10, ability to type 35 gwam with 3 errors or fewer/3-minute timing.

This course will present policies and procedures used in a medical facility. Attitudes, behavior, ethics, records, and office duties are some of the topics covered. (A, CSU)

42 MEDICAL DOCUMENT PREPARATION

3 units, 3 lecture hours, 1 lab hour, pass/no pass

ADVISORIES: Office Technology 10.

This course covers health insurance plans, insurance claim forms used in a medical office, and diagnostic and procedural coding. (A, CSU)

43 INTRODUCTION TO BOOKKEEPING

2 units, 2 lecture hours, 1 lab hour

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Introduction to Bookkeeping prepares an individual to perform day-to-day tasks in support of the financial aspects of an office. Although the entire accounting cycle is not covered in this course, basic accounting functions are practiced such as the use of the general journal and the general ledger. Students will learn and practice recording sales and accounts receivable; purchases and accounts payable; cash receipts and payments; and banking procedures. Payroll procedures are also covered in this course. Ten-key calculators will be utilized throughout the course. (A, CSU)

44 FILING PROCEDURES

2 units, 2 lecture hours, pass/no pass

This course is an introduction to basic rules of filing in alphabetic, numeric, subject, and geographical filing systems. Students will learn about the equipment and supplies needed, retention, retrieval, and the transfer phases of the record life cycle. Electronic records management will also be practiced. (A, CSU)

48 TODAY'S RECEPTIONIST

1.5 units, 1.5 lecture hours, pass/no pass

Today's Receptionist is a course where students will learn the proper use of the telephone, including basic communication skills, answering the phone, placing callers on hold, transferring calls, and taking complete messages. This course also includes handling mail, scheduling appointments, making travel arrangements, developing appropriate business relationships, and general front desk duties. (A, CSU)

53 PROFESSIONAL COMMUNICATIONS & SOFT SKILLS

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

Take this course and qualify to earn a globally recognized iCEV Southwest Airlines Professional Communications Certification. The Certification assesses industry-valued and recognized standards produced by Southwest Airlines and verifies individuals possess the soft skills necessary to thrive in any workplace environment: the ability to communicate effectively, think critically and work with others. Those who earn the Certification are more qualified and prepared to enter any work environment, regardless of industry interest. This course covers the following topics: workplace communication styles, conflict management, teamwork & collaboration, leadership styles, customer service, managing diversity and digital communication techniques. Not open to students with credit in BA-53. (A, CSU)

150 BEGINNING KEYBOARDING

1 unit, .5 lecture hour, 2 lab hours, pass/no pass only

This course provides students with an opportunity to learn to keyboard by touch. The course is software driven, allowing students to self-pace their skill level. Upon learning the keyboard by touch, the student will practice keyboarding to increase speed and accuracy. The student must key 25 words per minute in a 3-minute timed test with 3 or fewer errors in order to receive credit for this course. (A)

151 CHAMPIONSHIP KEYBOARDING

1 unit, .5 lecture hours, 2 lab hours, pass/no pass only

PREREQUISITES: Office Technology 150.

This intermediate keyboarding course provides students with proven methods for improving typing speed and accuracy. Two distinguishing features of this course are its diagnostic approach and utilization of corrective drills using Championship typing methods. (A)

152 SPEED TYPING

1 unit, .5 lecture hour, 2 lab hours, pass/no pass only

PREREQUISITE: Office Technology 151.

This advanced keyboarding course utilizes skill building methods which are designed to increase keying speed and accuracy to employment levels of 45+ wpm. (A)

301 COMPUTER BASICS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

This course provides students with an introduction to basic computer skills for the office worker. It introduces computer hardware and software, including the use of a mouse and a keyboard, as well as an introduction to the windows operating system. Word processing and spreadsheet software will be introduced. Students will access the Internet and perform basic searches.

305 DOCUMENT FORMATTING

0 units, 1 lecture hour, 1 lab hour, pass/no pass only, unlimited repeats.

PREREQUISITE: Office Technology 311A or equivalent.

Using current word processing software, students enrolled in this course will learn how to correctly format business documents. Areas of emphasis are letters, memos, reports, column layout, medical reports, and other frequently used business documents.

306 DATA ENTRY

0 units, 1 lecture hour, 1.5 lab hours, pass/no pass only, unlimited repeats.

ADVISORIES: Office Technology 350 or equivalent, Mathematics 201 and English 132.

This course will introduce the principles and procedures of data entry for business, industry, and government offices while teaching Quickbooks software. Students will prepare source documents, transcribe information, enter and process data on computers. This course is intended to prepare students for non-management, entry level jobs.

310 MEDICAL TERMINOLOGY

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORY: English 1A or 1AH.

This course provides students an opportunity to learn medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis is given to word dissection and definitions as applied to the body systems including the terminology used in examinations, diagnoses, procedures, laboratory investigations, and medical reports. Students must pass a final 160-word definition exam with 95% accuracy in order to pass the course.

311A MICROSOFT WORD ESSENTIALS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only.

This course is designed for the student who wishes to enter the work force with an understanding of the basic operations of word processing using Microsoft Word. Topics will include creating, editing, formatting, saving, and printing documents. The student is expected to complete assignments outside of class.

311C WORD PROCESSING PROJECTS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

PREREQUISITES: Office Technology 311A or equivalent. ADVISORIES: Mathematics 201 and keyboard 40 wpm.

This course uses a mastery approach to completing word processing projects. The course teaches advanced word processing skills, using current word processing software, emphasizing text editing, document formatting and processing, forms and tables, as well as the customization of the word processor. Office Technology 311C includes an introduction to desktop publishing. The student is expected to complete assignments outside of class.

312A MICROSOFT EXCEL ESSENTIALS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

This course is designed for the student who wishes to enter the work force with a basic understanding of Microsoft Excel spreadsheets. Topics will include creating and formatting worksheets, using formulas and functions, and creating graphs.

312C SPREADSHEET PROJECTS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

PREREQUISITE: Office Technology 312A or equivalent.

This course is designed to cover advanced spreadsheet operations including pivot tables, sorting and filtering lists, creating macros, linking spreadsheets, and advanced formulas and functions. Students are expected to complete computer assignments outside of class.

313A MICROSOFT ACCESS ESSENTIALS

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Mathematics 201.

This course is designed for the student who wishes to enter the work force with a basic understanding of Microsoft Access databases. Topics will include creating and editing tables, creating and using forms, creating and using queries, creating and printing reports, and sorting and indexing databases. Students are expected to complete computer assignments outside of class.

316 PREPARING FOR A JOB INTERVIEW

0 units, 1 lecture hour, pass/no pass, unlimited repeats.

This course is designed to prepare the Office Technology student to conduct an effective job search within the office assistant, administrative assistant or medical office assistant career path. A variety of topics will be covered including personal skill evaluations; where and how to look for office jobs; writing a cover letter and resume, highlighting and implementing their office technology skills; correctly completing an office job application; interview attire; body language and personal mannerisms; management of cell phones and voice mail; the intent of general interview questions as well as questions specific to office technology; and follow-up calls and letters.

317 JOB RETENTION AND RESPONSIBILITIES

0 units, 1 lecture hour, pass/no pass, unlimited repeats.

This course covers a variety of topics related to succeeding at work as an office assistant, an administrative assistant, a secretary, and/or a medical administrative assistant. Topics include job orientation, business office employer expectations, customer service, dealing with difficult coworkers in the office, goal setting and career planning, mentoring, continuing education, and business ethics. Students will also be asked to examine their personal lives to determine and correct any potential issues that may hinder their ability to maintain their jobs in an office.

328 MEDICAL OFFICE MANAGEMENT SOFTWARE

0 units, 1.5 lecture hours, .5 lab hour, pass/no pass only, unlimited repeats.

This course introduces the student to medical office management software. Students will learn to enter patient information, insurance information, procedural and diagnostic codes, post charges and payments, schedule appointments, and generate reports.

341 MEDICAL ADMINISTRATIVE ASSISTANT

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Office Technology 310 and ability to type 35 gwam with 3 errors or fewer/3-minute timing.

This course will present policies and procedures used in a medical facility. Attitudes, behavior, ethics, records, and office duties are some of the topics covered.

342 MEDICAL DOCUMENT PREPARATION

0 units, 3 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Office Technology 310.

This course covers health insurance plans, insurance claim forms used in a medical office, and diagnostic and procedural coding.

343 INTRODUCTION TO BOOKKEEPING

0 units, 2 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats.

ADVISORIES: Mathematics 45 and English 1A or 1AH.

Introduction to Bookkeeping prepares an individual to perform day-to-day tasks in support of the financial aspects of an office. Although the entire accounting cycle is not covered in this course, basic accounting functions are practiced such as the use of the general journal and the general ledger. Students will learn and practice recording sales and accounts receivable; purchases and accounts payable; cash receipts and payments; and banking procedures. Payroll procedures are also covered in this course. Ten-key calculators will be utilized throughout the course.

344 FILING PROCEDURES

0 units, 2 lecture hours, pass/no pass, unlimited repeats.

This course is an introduction to basic rules of filing in alphabetic, numeric, subject, and geographical filing systems. Students will learn about the equipment and supplies needed, retention, retrieval, and the transfer phases of the record life cycle. Electronic records management will also be practiced.

348 TODAY'S RECEPTIONIST

0 units, 1.5 lecture hours, pass/no pass only, unlimited repeats.

Today's Receptionist is a course where students will learn the proper use of the telephone, including basic communication skills, answering the phone, placing callers on hold, transferring calls, and taking complete messages. This course also includes handling mail, scheduling appointments, making travel arrangements, developing appropriate business relationships, and general front desk duties.

350 BEGINNING KEYBOARDING

0 units, .5 lecture hour, 2 lab hours, pass/no pass only, unlimited repeats.

This course provides students with an opportunity to learn to keyboard by touch. The course is software driven, allowing students to self-pace their skill level. Upon learning the keyboard by touch, the student will practice keyboarding to increase speed and accuracy. The student must key 25 words per minute in a 3-minute timed test with 3 or fewer errors in order to pass this course.

351 CHAMPIONSHIP KEYBOARDING

0 units, .5 lecture hour, 2 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Office Technology 350.

This intermediate keyboarding course provides students with proven methods for improving typing speed and accuracy. Two distinguishing features of this course are its diagnostic approach and utilization of corrective drills using Championship typing methods.

352 SPEED TYPING

0 units, .5 lecture hour, 2 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Office Technology 351 or equivalent.

This advanced keyboarding course utilizes skill-building methods which are designed to increase keying speed and accuracy to employment levels of 45+ wpm.

353 PROFESSIONAL COMMUNICATIONS & SOFT SKILLS

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

ADVISORIES: English 1A or 1AH.

Take this course and qualify to earn a globally recognized iCEV Southwest Airlines Professional Communications Certification. The Certification assesses industry-valued and recognized standards produced by Southwest Airlines and verifies individuals possess the soft skills necessary to thrive in any workplace environment: the ability to communicate effectively, think critically and work with others. Those who earn the Certification are more qualified and prepared to enter any work environment, regardless of industry interest. This course covers the following topics: workplace communication styles, conflict management, teamwork & collaboration, leadership styles, customer service, managing diversity and digital communication techniques.

PHILOSOPHY (PHIL)

1 INTRODUCTION TO PHILOSOPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course introduces students to traditional and contemporary views in metaphysics, epistemology, and value-theory. Topics may include the sources and limits of knowledge, the nature of reality, the relationship between mind and body, free will and determinism, the existence of God, and the nature of morally right action. Readings will include selections drawn from the primary texts of Plato, Aristotle, Aquinas, Descartes, Locke, Berkeley, Hume, or Kant, as well as various twentieth century philosophers. (A, CSU-GE, UC, I) (C-ID PHIL 100)

1C ETHICS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course examines key ethical theories, and includes application of theories to contemporary moral problems. (A, CSU-GE, UC, I) (C-ID PHIL 120)

1CH HONORS ETHICS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is a rigorous introduction to key ethical theories and their application to classic and contemporary moral problems through study of four primary texts: Plato's Republic, Aristotle's Nicomachean Ethics, Kant's Groundwork of the Metaphysics of Morals, and Mill's Utilitarianism. As an honors section, the class will be conducted as a seminar with an emphasis on student research and writing. (A, CSU-GE, UC, I) (C-ID PHIL 120)

1D WORLD RELIGIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

A philosophical study of the values, beliefs, and practices of Hinduism, Buddhism, Daoism, Confucianism, Judaism, Christianity, Islam, indigenous tribal religions, and selected new religious movements. (A, CSU-GE, UC, I)

2 CRITICAL REASONING AND ANALYTIC WRITING

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: English 1A or 1AH.

This is a course designed to develop skills in recognition, analysis, evaluation, and construction of arguments beyond the level achieved in English 1A. Topics include: the distinction between deductive and inductive reasoning; identification of formal and informal fallacies; structures of valid arguments; important arguments of well-known philosophers. The central focus of the course is instruction and practice in the argumentative essay. Students will write a minimum of 6,000 words during the course of the semester. (A, CSU-GE, UC, I)

3A HISTORY OF ANCIENT PHILOSOPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course introduces students to the history of ancient western philosophy, specifically the writings and ideas of the Pre-Socratics, Plato, Aristotle, and the philosophers of the Hellenistic period. Topics may include the sources and limits of knowledge, the nature of reality, the nature of virtue and right action, and theories of the good life. Readings will include selections drawn from the primary texts of Plato and Aristotle as well as other primary and secondary sources on the ancient philosophers. (A, CSU-GE, UC) (C-ID PHIL 130)

3B HISTORY OF MODERN PHILOSOPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course introduces students to the history of modern philosophy, including the major tenets of Rationalism, Empiricism, Idealism, and Existentialism. Topics may include skepticism, mind/body dualism, identity, the sources of knowledge, the nature of reality, and the problem of induction. Readings will include selections drawn from the primary texts of Descartes, Locke, Berkeley, Hume, and Kant as well as other primary and secondary sources on the modern philosophers. (A, CSU, UC) (C-ID PHIL 140)

4 INTRODUCTION TO LOGIC

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is an introduction to basic concepts, methods and principles of correct reasoning, with emphasis on deductive logic. Topics include traditional categorical logic, sentential logic including formal proof techniques, inductive arguments, and informal fallacies. (A, CSU-GE, UC) (C-ID PHIL 110)

6 SYMBOLIC LOGIC

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 125 and 126.

This course introduces the concepts and methods of modern symbolic logic. Topics include symbolization, syntax, semantics, and natural deduction for sentential and predicate logic. (A, CSU-GE, UC) (C-ID PHIL 210)

7A PHILOSOPHICAL PERSPECTIVES ON RACE AND RACISM

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course introduces students to philosophical perspectives on race and racism. Topics will include key debates in the field concerning the metaphysical statues of race, the relationship between the concepts of race and racism, the first-person reality of race, contemporary social issues (such as education, health, and incarceration), the concept of race in public policy and law, and the connections between racial, ethnic, and national identities. Readings will include selections drawn from the history of philosophy, as well as from prominent contemporary thinkers on these topics. (A, CSU, UC)

PHOTOGRAPHY (PHOTO)

1 BASICS OF DIGITAL PHOTOGRAPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

Basics of Digital Photography covers the development of the camera, digital photographic processes, and the history of the photographic image. The use of an adjustable digital camera is studied, along with an introduction to basic digital software editing programs. (A, CSU-GE, UC)

PHYSICAL EDUCATION (PE)

PHYSICAL EDUCATION ACTIVITIES

Students should seek a wide experience in the various offerings of the department.

1 ADAPTED PHYSICAL EDUCATION

1 unit, 3 lab hours, pass/no pass

A course designed for students with temporary or permanent physical limitations to improve physical fitness levels through resistance/aerobic training activities using free/machine weights, dyna-bands, cardio-respiratory equipment, and stretching exercises. The following components of physical fitness may be emphasized based on individual limitations: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. (A, CSU, UC)

2 AEROBICS (DANCE, STEP OR WATER)

1 unit, 3 lab hours, pass/no pass

This course is designed to improve cardiorespiratory endurance, muscular endurance and flexibility using a variety of aerobic activities. Exercises include dance, step, or water aerobics. (Swimming skills not required). (A, CSU, UC)

4 BADMINTON

1 unit, 3 lab hours, pass/no pass

A course in badminton fundamentals, techniques, and strategies, including both singles and doubles play. (A, CSU, UC)

5 BASKETBALL

1 unit, 3 lab hours, pass/no pass

A course in basketball fundamentals, techniques, and strategies, including 1-on-1, 3-on-3, and 5-on-5 basketball. (A, CSU, UC)

5B INTERMEDIATE BASKETBALL

1 unit, 3 lab hours, pass/no pass

ADVISORIES: PE 5 or permission of instructor.

PE 5B is an intermediate course in basketball, individual techniques, along with team concepts will be incorporated. Offensive and defensive philosophies and strategies will be examined. To maximize student improvement and mastery, drills will conducted. Specific game “situations” will be covered. (A, CSU, UC)

6 FITNESS AND HEALTH

1 unit, 3 lab hours, pass/no pass

This course is designed to improve physical fitness levels through a variety of exercise activities including, but not limited to, recreational activities, strength development, cardio-respiratory development, and improved flexibility. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility and body composition. It will be organized around these three objectives: safe performance of activity, appropriateness of activity for each individual, and the importance of the activity. (A, CSU, UC)

7 GOLF

1 unit, 3 lab hours, pass/no pass

A course in golf fundamentals, swing technique, and strategies. Golf etiquette and rules are included in this course. (A, CSU, UC)

8 MARTIAL ARTS/SELF DEFENSE

1 unit, 3 lab hours, pass/no pass

This course helps individuals develop the confidence and the skill necessary to defend themselves against deliberate, aggressive assault. It incorporates the mental and physical skills of basic self defense. (A, CSU, UC)

10 RACQUETBALL

1 unit, 3 lab hours, pass/no pass

Instruction and practice in beginning level skills, techniques and strategies of racquetball. (A, CSU, UC)

12 BEGINNING SWIM FOR FITNESS

1 unit, 3 lab hours, pass/no pass

ADVISORIES: Students must be able to swim 50 yards freestyle without touching the bottom of the pool.

This course is designed to increase knowledge of techniques of swimming and conditioning for intermediate swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts. (A, CSU, UC)

12B INTERMEDIATE SWIM FOR FITNESS

1 unit, 3 lab hours, pass/no pass

ADVISORIES: Students must be able to swim 200 yards of freestyle and demonstrate 50 yards of backstroke and breaststroke.

This course is designed to increase knowledge of techniques of swimming and conditioning for intermediate-advanced swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts. (A, CSU, UC)

12C ADVANCED SWIM FOR FITNESS

1 unit, 3 lab hours, pass/no pass

ADVISORIES: Students must be able to swim 400 yards freestyle without touching the bottom of the pool and swim 50 yards of freestyle, backstroke and breaststroke.

This course is designed to increase knowledge of techniques of swimming and conditioning for advanced swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts. (A, CSU, UC)

13 TENNIS

1 unit, 3 lab hours, pass/no pass

A course in the instruction of tennis fundamentals, techniques and strategies, including singles and doubles play. (A, CSU, UC)

14 VOLLEYBALL

1 unit, 3 lab hours, pass/no pass

This course is designed for students to learn fundamental skills of volleyball, rules of the game, volleyball terminology, and game strategy. Drills, in-class matches, and tournaments will be conducted according to the skill level of the students. (A, CSU, UC)

14B INTERMEDIATE VOLLEYBALL

1 unit, 3 lab hours, pass/no pass

ADVISORIES: English 132.

This is an intermediate course designed for students with volleyball experience including the ability to perform the six basic volleyball skills at an intermediate level. Students will improve fitness through game play utilizing the 5-1 or 6-2 offensive strategies. Multiple skill drills will be incorporated in each class session for maximum improvement. (A, CSU, UC)

15 WEIGHT TRAINING

1 unit, 3 lab hours, pass/no pass

A course designed to improve physical fitness levels through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

15B ADVANCED WEIGHT TRAINING

1 unit, 3 lab hours, pass/no pass

An advanced course designed for students with advanced weight lifting experience which includes the ability to design a weight training program. Students will improve physical fitness levels through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

16 FITNESS WALKING

1 unit, 3 lab hours, pass/no pass

This course is designed to expose students to the benefits of exercise through fitness walking and to the principles of exercise which will increase cardiovascular conditioning, endurance, flexibility and methods of releasing body tension. (A, CSU, UC)

18 FLOOR EXERCISES

1 unit, 3 lab hours, pass/no pass

This course is designed to help students to understand, practice, and improve upon the five components of fitness: muscular endurance, muscular strength, cardiovascular fitness, flexibility, and body composition. Class objectives will center around the basic principles of physical training: specificity, overload, reversibility and individual differences. Students will learn proper exercise techniques, how to use various types of fitness equipment, and overall safety. (A, CSU, UC)

19 WEIGHT TRAINING AND AEROBICS

1 unit, 3 lab hours, pass/no pass

This course is designed to help students understand, develop, and improve upon all components of physical fitness through resistance and aerobic training, use of free weights, weight machines, and cardio-respiratory equipment. Components of physical fitness which will be emphasized are: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. (A, CSU, UC)

19B ADVANCED WEIGHT TRAINING AND AEROBICS

1 unit, 3 lab hours, pass/no pass

This course is designed to help students understand, develop, and improve upon all components of physical fitness through resistance and aerobic training, use of free weights, weight machines, and cardio-respiratory equipment. This is an intermediate fitness class with experience in weight training and aerobics required by students. Components of physical fitness which will be emphasized are: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition. (A, CSU, UC)

29 YOGA

1 unit, 3 lab hours, pass/no pass

This course is an introduction to basic yoga practices and principles. Instruction includes classifications of yoga postures as well as guided relaxations and breathing practices. The benefits of yoga include increased flexibility, strength, balance, body awareness and stress reduction. This course is designed for students of all ages and fitness levels. (A, CSU, UC)

49A BEGINNING CIRCUIT TRAINING

1 unit, 3 lab hours, pass/no pass

This class uses a variety of aerobic and strength training activities to improve cardio-respiratory endurance and muscular endurance. Circuit machines used include cycling and weight training equipment. Emphasis will be placed on monitoring physiological response to exercise and teaching proper stretching, warm-up, training at target rate, and warm down methods. A pre-test and post test will be administered to evaluate fitness level and monitor improvement. (A, CSU, UC)

71 SOCCER

1 unit, 3 lab hours, pass/no pass

This is a course designed for students interested in the sport of soccer. The course will include techniques and skills, offensive and defensive strategies, rules and regulations, along with class competition. (A, CSU, UC)

301 PHYSICAL FITNESS AND BODY MOVEMENT FOR OLDER ADULTS

0 units, .5 lecture hours, 1 lab hour, pass/no pass only, unlimited repeats

This course provides physical conditioning program specifically designed for the older adult. Emphasis is on flexibility, range of motion movement exercises, upper and lower body strengthening, and cardiovascular wellness. Individualized instructional programming is utilized.

302 AEROBICS (STEP OR WATER) FOR OLDER ADULTS

0 units, 1 lab hour, pass/no pass only, unlimited repeats

This course is designed for older adults to improve cardiorespiratory endurance, muscular endurance and flexibility using a variety of aerobic activities. Exercises include step or water aerobics. Swimming skills not required.

312 BEGINNING SWIM FOR FITNESS FOR OLDER ADULTS

0 units, 1 lab hour, pass/no pass only, unlimited repeats

ADVISORIES: Students must be able to swim 50 yards freestyle without touching the bottom of the pool.

This course is designed for older adults to increase knowledge of techniques of swimming and conditioning for beginning swimmers. Swimming strokes and endurance will improve through stroke technique drills and conditioning workouts.

316 WALKING FOR OLDER ADULTS

0 units, 1.5 lab hours, pass/no pass only, unlimited repeats

This course is designed to expose older adults to the benefits of walking and to the principles of exercise which will increase cardiovascular conditioning, endurance, flexibility and methods of releasing body tension.

319 WEIGHT TRAINING AND AEROBICS FOR OLDER ADULTS

0 units, 1 lab hour, pass/no pass only, unlimited repeats

This course is designed to help older adults understand, develop, and improve upon all components of physical fitness through resistance and aerobic training, use of free weights, weight machines, and cardio-respiratory equipment. Components of physical fitness which will be emphasized are: muscular endurance, muscular strength, cardio-respiratory endurance, flexibility, and body composition.

329 YOGA HEALTH AND SAFETY FOR OLDER ADULTS

0 units, 1.5 lab hours, pass/no pass only, unlimited repeats

This course focuses on the history, principles and practices of yoga. Designed to promote health and safety among older adults, it focuses on yoga principles and practices to enhance the health of older adults through improved flexibility, balance, range of motion, strength, lung capacity and circulation. Specific yoga methods, therapeutic application for specific health challenges for adultery adults will be covered. Students will be encouraged to practice daily, creating opportunities to rehabilitate challenges. The course is designed to help students to use yoga methods such as postures, breathing techniques, meditation, and visualization to enhance their confidence, health, and overall feeling of wellbeing.

381 ADAPTIVE ACTIVITIES

0 units, 2 lab hours , pass/no pass only, unlimited repeats

Exercise and therapy for students with temporary or permanent physical limitations.

384 TAI CHI FOR OLDER ADULTS

0 units, 1.5 lab hours, pass/no pass only, unlimited repeats

Designed for older adults, this course in provides practical training, with scientific and philosophical rationale and evidence, by which participants may improve and maintain holistic wellness. The practice of Tai Chi moving meditation and exercise offers a path to stress management, improved strength, flexibility, and balance and harmony of body and mind.

THEORY/TECHNIQUES/ INTERCOLLEGIATE COURSES/ INTERCOLLEGIATE ATHLETICS (PE)

The following intercollegiate competitive sports covering the fundamentals and techniques are open to all students interested in competing in intercollegiate athletics. A minimum of 9.5 hours participation during the season of the sport is required.

30A THEORY OF BASEBALL

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed to improve student's knowledge of competitive baseball skills, contest strategy, officiating, field preparation, and related topics in preparation for the intercollegiate baseball season.(A, CSU, UC)

30B COMPETITIVE BASEBALL

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College baseball team in preparation for the actual intercollegiate contests. (A, CSU, UC)

30C OFF-SEASON CONDITIONING FOR BASEBALL

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate baseball through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

30D BASEBALL TRAINING

3 units, 10 lab hours, 3 repeats

PREREQUISITE: Students in this course must have Varsity High School experience (or equivalent) and perform and compete at the intercollegiate level.

This course involves baseball training, skill development, knowledge, strategy, and appreciation. It is intended for students with varsity high school experience (or equivalent) who are preparing for competitive intercollegiate baseball. (A, CSU, UC)

31A THEORY OF BASKETBALL

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed to improve student's knowledge of competitive basketball skills, contest strategy, officiating and related topics in preparation for the intercollegiate basketball season. (A, CSU, UC)

31B COMPETITIVE BASKETBALL

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College basketball team in preparation for the actual intercollegiate contests. (A, CSU, UC)

31C OFF-SEASON CONDITIONING FOR BASKETBALL

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate basketball through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

33A THEORY OF FOOTBALL

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed to improve student's knowledge of competitive football skills, contest strategy, officiating and related topics in preparation for the intercollegiate football season. (A, CSU, UC)

33B COMPETITIVE FOOTBALL

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College football team in preparation for the actual intercollegiate contests. (A, CSU, UC)

33C OFF-SEASON CONDITIONING FOR FOOTBALL

1 unit, 3 lab hours, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate football through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

33D FOOTBALL TRAINING

2 units, 7 lab hours, 3 repeats

LIMITATION ON ENROLLMENT: Students in this course must have Varsity High School experience (or equivalent) and perform and compete at the intercollegiate level.

This course involves football training, skill development, knowledge, strategy, and appreciation. It is intended for students with varsity high school experience (or equivalent) who are preparing for competitive intercollegiate football. (A, CSU, UC)

34A THEORY OF GOLF

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Competitive golf skills, contest strategy, officiating and related topics will be addressed in preparation for the intercollegiate golf season. (A, CSU, UC)

34B COMPETITIVE GOLF

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College Golf team in preparation for the actual intercollegiate contests. (A, CSU, UC)

34C OFF-SEASON CONDITIONING FOR GOLF

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate golf through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

35B PEP SQUAD

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Skills in organizing and leading cheers at college functions. Development of precision in the rhythm and steps of pep dance routines. Students in this course must perform at designated Reedley College athletic events. (A, CSU, UC)

36B COMPETITIVE SOCCER

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level. Performance tryouts.

This is a course designed for students possessing the desire, ability and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the soccer coach before enrollment. A minimum of 9.5 hours participation per week during the season of the sport is required. (A, CSU, UC)

36C OFF-SEASON CONDITIONING FOR SOCCER

1 unit, 3 lab hours, pass/no pass, 2 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level. Performance tryouts.

This is a course for off-season conditioning of soccer players. This class is designed for students possessing the desire, ability and soccer skills necessary to compete on the intercollegiate level. Prospective participants should confer with the soccer coach before enrollment. (A, CSU, UC)

36E SOCCER TRAINING

3 units, 9.5 lab hours, 3 repeats

Off-season training, conditioning, strength and skills development for competitive soccer players. (A, CSU, UC)

37A THEORY OF SOFTBALL

1 unit, 1 lecture hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Competitive softball skills, contest strategy, officiating and related topics in preparation for the intercollegiate softball season. (A, CSU, UC)

37B COMPETITIVE SOFTBALL

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College softball team in preparation for the actual intercollegiate contests. (A, CSU, UC)

37C OFF-SEASON CONDITIONING FOR SOFTBALL

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate softball through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

37D SOFTBALL TRAINING

3 units, 10 lab hours, 3 repeats

PREREQUISITES: Softball or equivalent and must perform at the intercollegiate level.

This course involves softball training, skill development, knowledge, strategy, and appreciation. It is intended for students with varsity high school experience (or equivalent) who are preparing for competitive intercollegiate softball. (A, CSU, UC)

38A THEORY OF TENNIS

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Competitive tennis skills, contest strategy, officiating and related topics in preparation for the intercollegiate tennis season. (A, CSU, UC)

38B COMPETITIVE TENNIS

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College Tennis team in preparation for the actual intercollegiate contests. (A, CSU, UC)

38C OFF-SEASON CONDITIONING FOR TENNIS

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed specifically to improve physical fitness appropriate for intercollegiate tennis through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

38D TENNIS TRAINING

3 units, 10 lab hours, 3 repeats

ADVISORIES: English 1A or 1AH.

LIMITATION ON ENROLLMENT: Students in this course must have Varsity High School experience (or equivalent) and perform and compete at the intercollegiate level.

The course involves tennis training, skill development, knowledge, strategy, and appreciation. It is intended for students with varsity high school experience (or equivalent) who are preparing for competitive intercollegiate tennis. (A, CSU, UC)

39A THEORY OF TRACK AND FIELD

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course is designed to improve student's knowledge of competitive track and field skills, event strategy, officiating and related topics in preparation for the intercollegiate track and field season. (A, CSU, UC)

39B COMPETITIVE TRACK AND FIELD

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College Track & Field team in preparation for the actual intercollegiate events. (A, CSU, UC)

39C OFF-SEASON CONDITIONING FOR TRACK AND FIELD

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Designed specifically to improve physical fitness appropriate for intercollegiate track and field through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

40A THEORY OF VOLLEYBALL

1 unit, 1 lecture hour, 1 lab hour, pass/no pass

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Competitive volleyball skills, contest strategy, officiating and related topics in preparation for the intercollegiate volleyball season. (A, CSU, UC)

40B COMPETITIVE VOLLEYBALL

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

This course meets the practice requirements for the Reedley College Volleyball team in preparation for the actual intercollegiate contests. (A, CSU, UC)

40C OFF-SEASON CONDITIONING FOR VOLLEYBALL

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Designed specifically to improve physical fitness appropriate for intercollegiate volleyball through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

43B COMPETITIVE SWIMMING AND DIVING

3 units, 9.5 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Performance tryouts.

This is a course designed for students possessing the desire, ability, and skills necessary to compete on the intercollegiate level. Prospective participants should confer with the head coach of the sport before enrollment. A minimum of 9.5 hours participation per week during the season of the sport is required. (A, CSU, UC)

43C OFF-SEASON CONDITIONING FOR SWIMMING

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Performance tryouts.

This is a course for off-season conditioning for collegiate swimmers. Swimming workouts, technique drills, dry land exercises and goal setting will be done in this class. (A, CSU, UC)

45 PERFORMANCE TRAINING AND CONDITIONING TECHNIQUES FOR INTERCOLLEGIATE ATHLETICS

1-2 units, 3-6 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Students in this course must perform and compete at the intercollegiate level.

Resistance training for intercollegiate athletes. (A, CSU, UC)

49 WEIGHT TRAINING FOR COLLEGIATE ATHLETES

1 unit, 3 lab hours, pass/no pass, 3 repeats

PREREQUISITE: Must be a collegiate athlete, have permission of coach.

An advanced course designed for weight training student athletes. Students will design a weight training program specific to their collegiate sport. Students will improve physical fitness levels through resistance training exercises using free/machine weights. The following components of physical fitness will be emphasized: muscular endurance, muscular strength, body composition, flexibility, and cardio-respiratory endurance. (A, CSU, UC)

PHYSICS (PHYS)

2A GENERAL PHYSICS I

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Mathematics 4A. ADVISORIES: English 1A or 1AH.

The topics covered in this course include mechanics, properties of matter, heat, sound and waves. (A, CSU-GE, UC, I) (C-ID PHYS 105)(C-ID PHYS 100S: PHYS 2A & PHYS 2B)

2B GENERAL PHYSICS II

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Physics 2A. ADVISORIES: English 1A or 1AH.

The topics covered in this course include electricity, magnetism, light, atomic and nuclear physics. (A, CSU-GE, UC, I) (C-ID PHYS 110) (C-ID PHYS 100S: PHYS 2A & PHYS 2B)

4A PHYSICS FOR SCIENTISTS AND ENGINEERS

4 units, 3 lecture hours, 3 lab hours

COREQUISITE: Mathematics 5B. ADVISORIES: English 1A or 1AH.

The topics covered in this course include: classical mechanics, properties of matter, gravitation, fluid mechanics, oscillatory motion and mechanical waves. (A, CSU-GE, UC, I) (C-ID PHYS 205) (C-ID PHYS 200S: PHYS 4A & PHYS 4B & PHYS 4C)

4B PHYSICS FOR SCIENTISTS AND ENGINEERS

4 units, 3 lecture hours, 3 lab hours

PREREQUISITE: Physics 4A. COREQUISITES: Mathematics 6. ADVISORIES: English 1A or 1AH.

The topics covered in this course include: Mechanical waves, Thermodynamics, electricity, magnetism. (A, CSU-GE, UC, I) (C-ID PHYS 210)(C-ID PHYS 200S: PHYS 4A & PHYS 4B & PHYS 4C)

4C PHYSICS FOR SCIENTISTS AND ENGINEERS

4 units, 3 lecture hours, 3 lab hours

PREREQUISITE: Physics 4B. ADVISORIES: Mathematics 17 and English 1A or 1AH.

The topics covered in this course include: electromagnetic waves, optics, modern physics, condensed matter and nuclear physics. (A, CSU-GE, UC, I) (C-ID PHYS 215) (C-ID PHYS 200S: PHYS 4A & PHYS 4B & PHYS 4C)

PLANT SCIENCE (PLS)

1 INTRODUCTION TO PLANT SCIENCE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45.

This course covers the study of plant structures and physiology as it relates to the adaptation and management of crops for food, fiber, shelter, and recreation. Lecture topics include plant cell, tissue, organ growth and development, propagation, photosynthesis, respiration, translocation, plant hormones, mineral nutrition, and plant health. Presentation and discussion of techniques and practices that influence these topics are also covered. (A, CSU-GE, UC, I) (C-ID AG PS 106L PLS 1 + PLS 1L) (C-ID AG PS 104)

1L INTRODUCTION TO PLANT SCIENCE LABORATORY

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Plant Science 1. ADVISORIES: Mathematics 45.

This course complements Plant Science 1, covering the identification of plant structures and physiology as it relates to the adaptation and management of crops for food, fiber, shelter, and recreation. Laboratory experiments will investigate plant anatomy and physiology, propagation, mineral nutrition, identification, hydroponics, and traditional practices that influence plant growth and development. Presentation and discussion of techniques and practices that influence these topics are covered. (A, CSU-GE, UC, I) (C-ID AG PS 106L

2 SOILS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45.

This course examines the physical, chemical, and biological properties of soils as a medium for plant growth. Principles discussed include soil formation factors, development, and the interactive effects of soil properties. Soil analysis, interpretation, and management for environmental horticulture, forestry, and production agriculture is detailed on course completion. Emphasis in production agriculture on topics such as soil fertility, soil salinity and reclamation, and land use planning. Forestry applications include soil mapping, erosion control, and taxonomy. (A, CSU-GE, UC, I)

2L SOILS LABORATORY

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Plant Science 2. ADVISORIES: Mathematics 45.

Laboratory to accompany Plant Science 2 Soils lecture section. Laboratory topics and exercises include analysis and determination of physical, chemical, and biological properties. Measurement of soil texture, salinity, pH, and nutrient content. In addition, soil moisture measurement, legal land description, and fertilizer management will be covered. (A, CSU-GE, UC, I) (C-ID AG-PS 128L)

3 GENERAL VITICULTURE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

This class includes vine physiology and structure, climatic requirements, grape varieties, vineyard establishment, vineyard soils, pruning, training, irrigation, pests and diseases. Table, wine, and raisin type grapes will be covered. (A, CSU, UC)

4A TREE AND VINE MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

An introduction to orchard and vineyard management and operations, concentrating on California deciduous trees and vines including peaches, plums, nectarines, apricots, pluots, almonds, walnuts, pomegranates, wine grapes, table grapes and raisin grapes. Topics include development of vineyards and orchards, layout, planting, fertilization, irrigation, pruning, and harvest skills. Use of the Reedley College school farm laboratory will be emphasized. (A, CSU)

5 PRINCIPLES OF IRRIGATION MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

The study of the soil-water-plant relationships, the consumptive use of water as required by various crops, irrigation water application systems, scheduling, and the management and evaluation of on-farm irrigation systems. Agriculture, urban, industry, and environmental issues pertaining to water resources are examined. (A, CSU)

6 PESTICIDES

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Mathematics 45.

Pesticide science is a specialized field requiring knowledge and experience with the laws and regulations, chemistry, biology and technology for safe and economical control of plant competitors. This course introduces and reviews current pesticide science and the safe and economical application in California Agriculture. (A, CSU)

7 INTEGRATED PEST MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

Integrated pest management of insects, diseases, and weeds in agriculture and environmental horticulture. Focus on ecosystems, ecology, population dynamics, species identification and control. Basic introduction and review of principles of pest management, laws, and regulations for California Pest Control Advisor licensing. (A, CSU

8 VEGETABLE PRODUCTION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

Principles of the production and harvesting of major California vegetable crops such as cole crops, peppers, squash, melons, leaf crops, and root crops. A field trip to a California vegetable production area is required. (A, CSU)

9 BIOMETRICS

3 units, 3 lecture hours

PREREQUISITES: Mathematics 103 or Math 45

An introduction to data description, presentation, experimental design, statistical procedures, experimental methods and hypothesis testing with particular emphasis on biological systems. Upon completion of this course, the student will be able to perform basic statistical procedures, including t-tests, ANOVA, linear regression and correlation. (A, CSU-GE, UC, I)

10 ENVIRONMENTAL AGRICULTURE

3 units, 3 lecture hours

ADVISORIES: Mathematics 45.

Environmental concerns which relate to agriculture in our society. Agricultural/environmental topics to include energy resource use, water systems, soil stewardship, pest control, and long-term agriculture sustainability. (A, CSU, UC)

11 MACHINERY TECHNOLOGY

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 45.

Principles of machinery management, technology, operation, and maintenance of wheel tractors, farm implements, forklifts, and harvesting equipment. Advanced topics include precision farming, custom farm operations, and corporate farm machinery management. (A, CSU) (C-ID AG-MA 108L)

14 PLANT NUTRITION

3 units, 3 lecture hours

ADVISORIES: Mathematics 45.

The study of soil, plant, and nutrient relationships. The composition, value, selection, and use of fertilizer materials, soil amendments, and cover crops. (A, CSU, UC)

16 WINE SENSORY ANALYSIS AND EVALUATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or English 1AH and Mathematics 45.

In this course students will experience and master sensory analysis specific to wine production with an emphasis on the effects of appearance on taste perception as well as olfactory and tasting transduction mechanisms. (A, CSU)

17 WINERY LABORATORY TECHNIQUES AND EQUIPMENT OPERATION

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or English 1AH and Mathematics 45.

The course covers the wine processing technologies and systems used in commercial wineries. Topics include: Work place safety, cleaning and sanitation procedures, winemaking equipment and materials, tanks, barrels, barrel alternatives, filtration systems, bottling equipment and laboratory equipment. (A, CSU)

18 INTRODUCTION TO ENOLOGY

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or English 1AH and Mathematics 45.

In this course students will be introduced to the science of wine making. Topics covered include microbiology, fermentation, sanitation, wine chemistry and stabilization. (A, CSU, UC)

21 FERMENTATION SCIENCE

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 45.

Overview of beer brewing, including history, malting, brewing, fermentation, finishing and packaging. In addition, sensory analysis, lab analysis and quality assurance in beer production. Course enrollment is restricted to students 21 years of age or older. (A, CSU)

25 AGRICULTURAL CHEMISTRY

3 units, 3 lecture hours

ADVISORIES: Mathematics 21 or 45, English1A or 1AH.

Introduction to chemistry applications in plant science, soil science and pest management. The course introduces fundamental laws of matter, physical and chemical changes, and general chemistry applications in agriculture. The class is recommended for agricultural student planning to take Chem 3A with no prior chemistry experience. (A, CSU)

26 HEMP PRODUCTION

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course introduces the history, uses, cultivation, cultivar selection, propagation techniques, agronomic practices, crop improvement strategies, pest and disease management primarily for field grown hemp in California. (A, CSU)

POLITICAL SCIENCE (POLSCI)

2 AMERICAN GOVERNMENT

3 units, 3 lecture hours

PREREQUISITES: Eligibility for English 1A or 1AH. ADVISORIES: Completion of English 1A or 1AH.

This course surveys the processes and institutions of national, state and local governments in the United States through a review of the organization, distribution and orientation of political power in American society. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. Attention is paid both to the present state of the American political system and to its historical roots. (A, CSU-GE, UC, I) (C-ID POLS 110)

2H HONORS AMERICAN GOVERNMENT

3 units, 3 lecture hours

PREREQUISITES: Eligibility for English 1A or 1AH and enrollment in the Honors Program.

This course surveys the processes and institutions of United States national, state and local politics. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. As an honors section, the class will be conducted as a seminar with individual projects, papers, and presentations. With History 11 or History 12, this course meets the American Institutions requirement to state universities. (A, CSU-GE, UC, I) (C-ID POLS 110)

3 INTRODUCTION TO POLITICAL THEORY AND THOUGHT

3 units, 3 lecture hours

PREREQUISITES: Completion of Political Science 2 or 2H.

This course is an introduction to the various approaches to political theory across time, issues, and authors. Students will analyze selected political theories, consider the relevance of these theories to contemporary problems, discuss new approaches to political thought, and evaluate the contribution of theories toward a comprehensive understanding of political life and political institutions (A, CSU-GE, UC, I) (C-ID POLS 120)

5 COMPARATIVE GOVERNMENT

3 units, 3 lecture hours

PREREQUISITES: Completion of Political Science 2 or 2H.

This course provides an introduction to the basic workings of various political systems throughout the world, with an emphasis on both the formal (i.e., governmental institutions, political processes) and informal (i.e., cultural exchanges) dimensions of politics. Students will engage in comparisons of these political systems using some of the basic concepts of political analysis. (A, CSU-GE, UC, I) (C-ID POLS 130)

24 INTERNATIONAL RELATIONS

3 units, 3 lecture hours

PREREQUISITES: Completion of Political Science 2 or 2H.

The course provides an introduction to international relations theories through a study of political, economic, historical, geographic and sociological variables as they influence relations among states, international and transnational organizations, and other non-state actors. The relationship between these theories and significant current international events will then be examined. Emphasis will be placed on the interdependence of nations in the modern world, and the links between local and international communities in an era of contemporary economic and cultural globalization. (A, CSU-GE, UC, I) (C-ID POLS 140)

110 AMERICAN INSTITUTIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 132.

This course explores national, state, and local governments, the political processes, issues, and policies of those governments, and the rights and responsibilities of citizens living under these governments by outlining the structure, processes, function of each area of government. (Meets the Reedley College “principles of national, state, and local government” requirement for the associate degree, but does not satisfy the CSU/IGETC “ U.S. History, Constitution, and American Ideals” requirement).) (A)

PSYCHOLOGY (PSY)

2 GENERAL PSYCHOLOGY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course presents an overview of the field of psychology, a field that emphasizes the scientific study of human behavior and mental processes. Topics include history, methodology, biopsychology, life-span development, sensation and perception, consciousness and altered states, learning and memory, thought and language, intelligence, motivation and emotion, personality, psychopathology and therapy, stress and health, social and cultural influences. (A, CSU-GE, UC, I) (C-ID PSY 110)

2H HONORS GENERAL PSYCHOLOGY

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

This course presents an overview of the field of psychology that emphasizes the scientific study of human behavior and mental processes. Topics include history, methodology, biopsychology, lifespan development, sensation and perception, consciousness and altered states, learning and memory, thought and language, intelligence, motivation and emotion, personality, psychopathology and therapy, stress and health, social and cultural influences. The Honors section of this course places a greater emphasis on understanding the human being as an integrated physiological, social, and psychological organism and further enriches that perspective with data and theories from related disciplines. (A, CSU-GE, UC, I) (C-ID PSY 110)

5 SOCIAL PSYCHOLOGY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course focuses on a systematic analysis of the social determinants of behavior and mental processes. Emphasis is placed on the perception of ourselves and others; attitudes; roles; compliance, conformity and obedience; attraction; aggression; altruism; behavior in groups; and applied social psychology. (A, CSU-GE, UC, I) (C-ID PSY 170)

16 ABNORMAL PSYCHOLOGY

3 units, 3 lecture hours

ADVISORIES: Psychology 2 or 2H and English 1A or 1AH.

This course introduces the scientific study of psychopathology and atypical behaviors as broadly defined. Students will 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 in this course. (A, CSU-GE, UC, I) (C-ID PSY 120)

25 HUMAN SEXUALITY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Psychology 2 or 2H and English 1A or 1AH.

This course examines sexual behaviors and values in society from a biological, psychological, social, cultural, historical and lifespan perspective. The course will cover anatomy and physiology of sex, sex within relationships, alternative lifestyles, fertility management, contraception, sexual dysfunction, and social roles/attitudes. Issues such as destructive sexual behavior, rape and incest, paraphilia, and other sensitive subjects will be presented and discussed in an explicit and scientific manner. (A, CSU-GE, UC) (C-ID PSY 130)

38 LIFESPAN DEVELOPMENT (SEE ALSO EARLY CHILDHOOD EDUCATION 14)

3 units, 3 lecture hours

ADVISORIES: English 1A or 1AH.

Basic theories, research concepts, and principles of physical, cognitive and psychosocial development, including biological and environmental influences, will be explored with a focus on each major stage of life from conception to death. This course is designed to promote critical self-understanding. Students will apply developmental theory to major topics, including developmental problems, that occur throughout one's lifespan. (A, CSU-GE, UC, I) (C-ID PSY 180)

42 STATISTICS FOR THE BEHAVIORAL SCIENCES

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103. ADVISORIES: English 1A or 1AH.

This course offers an introduction to the appropriate use of statistical techniques in behavioral sciences including the use of probability, hypothesis testing, and predictive techniques to facilitate decision-making. Other topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests. Additionally, students will learn the application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. The goal of this course is to demonstration the role of quantitative methods in behavioral science using data from psychology, sociology, criminal justice, political science, and anthropology. This course is recommended for students in the Social Sciences in lieu of another statistics course. This course is not open to students with credit in MATH 11, MATH 11C, STAT 7, or PLS 9. (A, CSU-GE, UC, I) (C-ID SOCI 125)

45 INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

3 units, 3 lecture hours

PREREQUISITES: Psychology 2 or 2H, and Psychology 42 or Mathematics 11 or 11C or Statistics 7 or Plant Science 9. ADVISORIES: English 1A or 1AH.

This course surveys psychological research methods. An emphasis is placed on research design, descriptive techniques, experimental procedures, and the characteristics of valid assessment tools. The course also focuses on the collection, analysis, interpretation, and reporting of research data. Cultural considerations and the ethics of research with human and animal participants will be included. The course is designed for psychology majors and others who require familiarity with such research techniques. (A, CSU-GE, UC, I) (C-ID PSY 200)

SCIENCE (SCI)

1A INTRODUCTORY CHEMICAL AND PHYSICAL SCIENCE

4 units, 3 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Mathematics 4A or 4B or satisfaction of the CSU system General Education Quantitative Reasoning Requirement (CSU-GE Area B4). COREQUISITES: Mathematics 10A. ADVISORIES: Eligibility for English 1A or 1AH.

This course provides 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. (A, CSU-GE, UC, I) (C-ID PHYS 140) (C-ID CHEM 140)

SERVICE LEARNING (SERV)

1 INTRODUCTION TO SERVICE AND COMMUNITY LEARNING

1 unit, 1 lecture hour, pass/no pass

This course offers students service/community-based learning through classroom instruction and critical reflection to inform a personal understanding of the need and importance of community service, civic responsibility, cultural competence and social justice. The course will include community service in a non-profit organization or school that meet the needs of local communities. (A, CSU)

SOCIOLOGY (SOC)

1A INTRODUCTION TO SOCIOLOGY

3 units, 3 lecture hours

ADVISORIES: English 132.

This course will cover basic sociological concepts, theoretical approaches, and methods of sociology. The course provides an introduction to sociological approaches in explaining social structure, culture, socialization, social interaction, group dynamics, institutions, deviance, stratification, social change, social problems, and global dynamics. (A, CSU-GE, UC, I) (C-ID SOCI 110)

1B CRITICAL THINKING ABOUT SOCIAL PROBLEMS

3 units, 3 lecture hours

ADVISORIES: Sociology 1A and English 1A or 1AH.

This course will discuss contemporary social problems in society. The course reviews various explanation of causes, consequences and possible solutions for contemporary sociological issues using theoretical perspectives. The course applies critical thinking skills using inductive and deductive reasoning to analyze and discuss the issues while strengthening social awareness. (A, CSU-GE, UC, I) (C-ID SOCI 115)

2 AMERICAN MINORITY GROUPS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

This class is a multidisciplinary study of ethnic and racial groups in the United States. Special emphasis is placed on the socio-historical, demographic, sociological, and social psychological aspects of African, Asian, Latino, Native American, White ethnic, and other minority groups. (A, CSU-GE, UC, I) (C-ID SOCI 150)

11 SOCIOLOGY OF GENDER

3 units, 3 lecture hours

ADVISORIES: Sociology 1A, English 1A or 1AH.

This course explores the social construct of feminine and masculine identities both historically and in cross-cultural contexts. Issues regarding gender socialization in both macro and micro levels will be analyzed on how individuals "do" gender. The class will discuss the impact of social, economic, and political changes on gender expectations and practices. (A, CSU-GE, UC, I) (C-ID SOCI 140)

32 COURTSHIP, MARRIAGE, AND DIVORCE: FAMILY & INTERPERSONAL RELATIONSHIPS

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

Sociology 32 is the introduction to the principles of marriage and family relationships, including love, courtship, mate selection, marriage, sexuality, family planning, pregnancy and childbirth, sexually transmitted diseases, family conflict, conflict resolution, communication skills, divorced families, step-families, aging, and widowhood. (A, CSU-GE, UC, I) (C-ID SOCI 130)

SPANISH (SPAN)

1 BEGINNING SPANISH

5 units, 5 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This is a beginning course in conversational and written Spanish for non-native speakers; intended for students without previous exposure to Spanish. Students will gain an introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and they will explore the cultures of Spain, Latin America and Hispanic cultures of the US. (A, CSU-GE, UC, I) (C-ID SPAN 100)

2 HIGH-BEGINNING SPANISH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Spanish 1, or 2 years of high school Spanish or the equivalent skill level as determined by instructor. ADVISORIES: English 1A or 1AH.

This is a second-semester course in conversational and written Spanish for non-native speakers. Students will develop grammatical structures, expand their vocabulary and further study the cultures of Spain, Latin America and Hispanic cultures of the U.S. This course introduces the literary text. (A, CSU-GE, UC, I) (C-ID SPAN 110)

3 INTERMEDIATE SPANISH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Spanish 2 or 3 years high school Spanish or equivalent skill level as determined by instructor. ADVISORIES: English 1A or 1AH.

This is a third-semester course in conversational and written Spanish for non-native speakers. Students will review basic grammar, further develop their oral skills and grammatical structures, and continue to expand their vocabulary. In this course, students will compose and discuss short literary texts. There will be an increased emphasis on reading and writing as tools in exploring the cultures of Spain and Latin America and the Hispanic cultures of the U.S. (A, CSU-GE, UC, I) (C-ID SPAN 200)

3NS SPANISH FOR SPANISH SPEAKERS

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: a basic speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1AH.

This is a first-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Students will expand their vocabulary, improve their orthography and their use of grammatical structures of standard Spanish, both oral and written. Readings and discussions of topics relating to Hispanic cultures are an essential part of the course. (A, CSU-GE, UC, I) (C-ID SPAN 220)

4 HIGH-INTERMEDIATE SPANISH

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Spanish 3 or equivalent skill level as determined by instructor. ADVISORIES: English 1A or 1AH.

This is a fourth-semester course in conversational and written Spanish for non-native speakers. It continues the development of proficiency of grammar and language usage. Students will further explore current topics and cultures of Spain, Latin America and Hispanic cultures of the US, as reflected in the language and literature. (A, CSU-GE, UC, I) (C-ID SPAN 210)

4NS SPANISH FOR SPANISH SPEAKERS

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Spanish 3NS or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1 AH.

This is a second semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Students will further develop and improve skills in standard Spanish that include: exercises in grammar and vocabulary building and research projects. This will be achieved through readings of historical culture and literary texts that are the center of class discussions. (A, CSU-GE, UC, I) (C-ID SPAN 230)

5 THE SHORT STORY: MEXICO, SPAIN, AND THE U.S.

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: Spanish 4, or Spanish 4NS, or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1AH.

In this course, students will be exposed to a selection of Hispanic short stories, culture, and civilization. Students will continue to develop their Spanish-language skills in reading, writing, and speaking, will discuss articles and short stories, and will view and discuss films. Oral presentations and written reports are an essential part of the course. Emphasis on U.S., Mexico, and Spain. (A, CSU-GE, UC, I)

15 PRACTICAL SPANISH CONVERSATION, LOW-INTERMEDIATE LEVEL

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Spanish 2 or the equivalent skill level as determined by instructor. ADVISORIES: English 1A or 1AH.

This course develops conversational skills in Spanish for students with a basic knowledge of the language. Oral communication and listening comprehension will be emphasized. Some reading and writing skills are also developed. Practical vocabulary for daily use will be emphasized and the application of basic grammatical structures will be reviewed. Topics will include situations of daily life at home and in the Hispanic world. (A, CSU-GE, UC)

16 PRACTICAL SPANISH CONVERSATION, HIGH-INTERMEDIATE LEVEL

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Spanish 3 or the equivalent skill level as determined by instructor. ADVISORIES: English 1A or 1AH.

This is a second semester Spanish conversational course. Students will further develop their language proficiency skills at an intermediate level. Oral communication and listening comprehension will be emphasized. Some reading and writing skills will also be developed. This course is designed to improve oral expression and fluency in Spanish as used in travel, home, school, work and in business. Students will use communication skills to help overcome cultural and linguistic barriers and to increase understanding of Hispanic cultures. (A, CSU-GE, UC)

251 PRACTICAL SPANISH FOR THE PROFESSIONS

3 units, 3 lecture hours, pass/no pass

This course is a practical introduction to situational Spanish for the professionals based on actual case studies. Students will study and gain knowledge of specific vocabulary, terminology, and cultural insight. Sections for health professions, law enforcement, commercial areas, social work and public school personnel will be offered.

252 PRACTICAL SPANISH FOR THE PROFESSIONS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Spanish 251.

This is a second semester of situational Spanish for the professional based on actual case studies. Students will study and gain knowledge of specific vocabulary, terminology, and cultural insight. Sections for the health professions, law enforcement, commercial areas, social work, and public schools personnel will be offered.

303NS SPANISH FOR SPANISH SPEAKERS

0 units, 5 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: a basic speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1AH.

This is a first-semester course in Spanish for older adult bilingual or monolingual native speakers designed to develop reading and writing skills. Students will expand their vocabulary, improve their orthography and their use of grammatical structures of standard Spanish, both oral and written. Readings and discussions of topics relating to Hispanic cultures are an essential part of the course.

304NS SPANISH FOR SPANISH SPEAKERS

0 units, 5 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: Spanish 3NS or 303NS or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1 AH.

This is a second semester course in Spanish for older adult bilingual or monolingual native speakers designed to develop reading and writing skills. Students will further develop and improve skills in standard Spanish that include: exercises in grammar and vocabulary building and research projects. This will be achieved through readings of historical culture and literary texts that are the center of class discussions.

305 THE SHORT STORY: MEXICO, SPAIN AND THE U.S.

0 units, 4 lecture hours, pass/no pass only, unlimited repeats

PREREQUISITES: Spanish 4, 4NS or 304NS, or a proficient speaking knowledge of Spanish as determined by an oral interview. ADVISORIES: English 1A or 1AH.

This course is designed for older adults to continue to develop their Spanish-language skills in reading, writing, and speaking, discuss articles and short stories, and view and discuss films. Oral presentations and written reports are an essential part of the course. Emphasis on U.S., Mexico, and Spain. Students will be exposed to a selection of Hispanic short stories, culture, and civilization.

SPECIAL STUDIES (SPST)

47 SPECIAL STUDIES

1-3 units, 18 lecture or 54 lab hours per unit, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

Topics of current concern or importance in a designated subject area, offered in a specific course designed to meet community, business, or human needs not met in other courses in the curriculum. (A, CSU)

277 SPECIAL STUDIES

.5-3 units, 18 lecture or 54 lab hours per unit, pass/no pass

Subject matter of current concern or importance in a designated subject area. A specific course in which degree applicability is not appropriate, designed to meet community, business, or human needs not met in other courses in the curriculum.

SUPERVISED TUTORING (ST)

300 SUPERVISED TUTORING (S INTDS 300)

0 units, .5-1 lab hours, pass/no pass only

This course provides tutoring assistance to increase the probability of a student's successful completion of his or her educational objectives. Hours will vary depending on individual student need.

STATISTICS (STAT)

7 ELEMENTARY STATISTICS

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: English 1A or 1AH.

This course covers the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics, probability and sampling distributions, statistical inference, correlation and linear regression, analysis of variance, chi-square and t-tests, and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications will use data from a broad range of disciplines. (A, CSU-GE, UC, I) (C-ID MATH 110)

SURVEYING (SURV)

1 INTRODUCTION TO LAND SURVEYING

3 units, 3 lecture hours, pass/no pass

ADVISORY: Mathematics 103.

This course presents the fundamentals of land surveying theory and calculations and includes equipment, horizontal, vertical, and angular measurements, errors, traversing, leveling, and stadia. Also, this course covers the history of and careers in surveying. (A, CSU)

1L INTRODUCTION TO LAND SURVEYING LABORATORY

1 unit, 3 lab hours, pass/no pass

COREQUISITE: Surveying 1 or 301.

This course presents the fundamentals of land surveying field practice and equipment use, and it includes horizontal, vertical, and angular measurements, errors, traversing, leveling, and stadia. (A, CSU)

2 ADVANCED LAND SURVEYING

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Surveying 1 or 301.

This course presents advanced concepts in land surveying theory and calculations and includes equipment horizontal and vertical curves, introduction to GPS and control surveys for Land Surveyors, topography, public lands, and state plane coordinates. (A, CSU)

2L ADVANCED LAND SURVEYING LABORATORY

1 unit, 3 lab hours, pass/no pass

PREREQUISITES: Surveying1 or 301 and Surveying 1L or 301L. COREQUISITES: Surveying 2 or 302.

This course presents advanced concepts in land surveying field practices and equipment use. It also includes horizontal and vertical curves, and topography. (A, CSU)

3 ADVANCED APPLICATION IN SURVEYING I

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Surveying 2 or 302. ADVISORY: Mathematics 4A.

This course focuses on measurement analysis and adjustments, geodesy, various mapping elements, state plane coordinates and the use of GPS for land surveying applications. (A, CSU)

4 ADVANCED APPLICATION IN SURVEYING II

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Surveying 2 or 302. ADVISORY: Mathematics 4A and Surveying 3 or 303.

This course focuses on photogrammetry, celestial surveying, research, and survey project management, emphasizing concepts and calculations performed by the land surveyor. Also, this course presents professional licensing requirements and employment strategies in the Land Surveying industry. (A, CSU)

7 CONSTRUCTION SURVEYING

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Surveying 2 or 302.

This course presents concepts in construction surveying theory and calculations and includes pipelines, tunnels, culverts, bridges, buildings, highways, and municipal surveys. (A, CSU)

7L CONSTRUCTION SURVEYING LABORATORY

1 unit, 3 lab hours, pass/no pass

PREREQUISITES: Surveying 2 or 302 and Surveying 2L or 302L. COREQUISITE: Surveying 7 or 307.

This course presents concepts in construction surveying theory and calculations. It also includes pipelines, tunnels, culverts, bridges, buildings, highways, and municipal surveys. (A, CSU)

10 COMPUTER AIDED DRAFTING FOR SURVEYORS

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORY: Surveying 1 or 301.

This course introduces computer aided drafting for land surveying using AutoCAD Civil 3D. (A, CSU)

19V COOPERATIVE WORK EXPERIENCE, LAND SURVEYING

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment

This course provides work experience for land surveying students. Students will be monitored and advised through this class. Documentation of work progress will be provided to the instructor by the student and the work supervisor. Students may learn specific and general career skills in preparation for more advanced responsibilities upon completion of the educational program. The student must be employed or serving as a volunteer with an entity which is approved by the instructor. Employer must agree to participate in this internship, provide appropriate skills instruction and supervision, and submit a performance evaluation to the college. Students earn units using the following formula: for paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may enroll for a maximum of 8 units per semester. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

60 BOUNDARY CONTROL AND LEGAL PRINCIPLES I

3 units, 3 lecture hours, pass/no pass

PREREQUISITE: Surveying 2 or 302.

This course introduces the basic elements of the U.S. Public Land Survey System (PLSS), including background, history, subdivisions of sections, and restoration of lost corners. This course covers principles of preparing land descriptions for surveyors and title companies. (A, CSU)

65 BOUNDARY CONTROL AND LEGAL PRINCIPLES II

3 units, 3 lecture hours, pass/no pass

PREREQUISITE: Surveying 60 or 360.

This course examines principles of boundary control, including land descriptions, property transfer, senior rights, conveyances, and case law pertaining to boundary disputes. (A, CSU)

301 INTRODUCTION TO LAND SURVEYING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Mathematics 103.

This course presents the fundamentals of land surveying theory and calculations and includes equipment, horizontal, vertical, and angular measurements, errors, traversing, leveling, and stadia. Also, this course covers the history of and careers in surveying.

301L INTRODUCTION TO LAND SURVEYING LABORATORY

0 units, 3 lab hours, pass/no pass only, unlimited repeats.

COREQUISITE: Surveying 1 or 301.

This course presents the fundamentals of land surveying field practice and equipment use, and it includes horizontal, vertical, and angular measurements, errors, traversing, leveling, and stadia.

302 ADVANCED LAND SURVEYING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Surveying 1 or 301.

This course presents advanced concepts in land surveying theory and calculations and includes equipment horizontal and vertical curves, introduction to GPS and control surveys for Land Surveyors, topography, public lands, and state topography, public lands, and state plane coordinates.

302L ADVANCED LAND SURVEYING LABORATORY

0 units 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Surveying 1 or 301 and Surveying 1L or 301L. COREQUISITES: Surveying 2 or 302.

This course presents advanced concepts in land surveying field practices and equipment use. It also includes horizontal and vertical curves, and topography.

303 ADVANCED APPLICATION IN SURVEYING I

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Surveying 2 or 302. ADVISORY: Mathematics 4A.

This course focuses on measurement analysis and adjustments, geodesy, various mapping elements, state plane coordinates and the use of GPS for land surveying applications.

304 ADVANCED APPLICATIONS IN SURVEYING II

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Surveying 2 or 302. ADVISORY: Mathematics 4A and Surveying 3 or 303.

This course focuses on photogrammetry, celestial surveying, research, and survey project management, emphasizing concepts and calculations performed by the land surveyor. Also, this course presents professional licensing requirements and employment strategies in the Land Surveying industry.

307 CONSTRUCTION SURVEYING

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Surveying 2 or 302.

This course presents concepts in construction surveying theory and calculations and includes pipelines, tunnels, culverts, bridges, buildings, highways, and municipal surveys.

307L CONSTRUCTION SURVEYING LABORATORY

0 units 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Surveying 2 or 302 and Surveying 2L or 302L. COREQUISITES: Surveying 7 or 307.

This course presents concepts in construction surveying theory and calculations. It also includes pipelines, tunnels, culverts, bridges, buildings, highways, and municipal surveys.

310 COMPUTER AIDED DRAFTING FOR SURVEYORS

0 units, 2 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

ADVISORY: Surveying 1 or 301.

This course introduces computer aided drafting for land surveying using AutoCAD Civil 3D.

360 BOUNDARY CONTROL AND LEGAL PRINCIPLES I

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Surveying 60 or 360.

This course examines principles of boundary control, including land descriptions, property transfer, senior rights, conveyances, and case law pertaining to boundary disputes.

365 BOUNDARY CONTROL AND LEGAL PRINCIPLES II

0 units, 3 lecture hours, pass/no pass only, unlimited repeats.

PREREQUISITE: Surveying 60 or 360.

This course examines principles of boundary control, including land descriptions, property transfer, senior rights, conveyances, and case law pertaining to boundary disputes.

VOCATIONAL ENGLISH AS A SECOND LANGUAGE (VESL)

312 ENGLISH FOR THE WORKPLACE LOW-INTERMEDIATE

0 units, 2-4 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through an approved multiple-measure process.

VESL 312 is an integrated skills course for low-intermediate ESL students who want to learn English for vocational purposes. Students will develop proficiency with general vocabulary and grammar. Students will improve skills in reading, writing, listening, and speaking on topics related to the workplace.

313 ENGLISH FOR THE WORKPLACE INTERMEDIATE

0 units, 2-4 lecture hours, pass/no pass only, unlimited repeats

ADVISORY: Placement through an approved multiple-measure process.

VESL 313 is an integrated skills course for intermediate ESL students who want to learn English for vocational purposes. Students will develop proficiency with general vocabulary and grammar. Students will improve skills in reading, writing, listening, and speaking on topics related to the workplace.

WELDING (WELD)

341 WELDING ESSENTIALS

0 units, 2 lecture, 3 lab hours , pass/no pass only, unlimited repeats

This course provides an introduction into the welding industry. Instruction in the areas of safety, welding processes, equipment, and the properties of metals will be covered.

360 INTRODUCTION TO WELDING

0 units, 3 lecture hours, 6 lab hours, pass/no pass only, unlimited repeats

This course is a combination of basic gas welding and basic arc welding. Class topics and activities include safety procedures needed to work in school and industrial shop settings. Welding processes covered include oxyfuel welding, brazing, flame cutting, plasma cutting, shielded metal arc welding (stick) and gas metal arc welding (MIG) of various joint designs with a variety of electrode types. Welding positions include flat and horizontal. There will also be a brief intro into flux cored arc welding and gas tungsten arc welding (TIG). For Credit version of this course see MFGT 60.

361 INTERMEDIATE WELDING

0 units, 1.5 lecture hours, 8 lab hours, pass/no pass only, unlimited repeats

PREREQUISITES: Welding Technology 360 or Manufacturing Technology 11 or 60 or equivalent course or verified work experience in the field.

This course is a continuation of welding techniques learned in WELD 360. Emphasis will focus on shielded metal arc welding (SMAW), gas metal arc welding (GMAW), fluxcored arc welding (FCAW) and gas tungsten arc welding (GTAW/TIG). Welding techniques will be taught in horizontal, vertical and overhead positions on steel, stainless steel, and aluminum. There will also be further hands-on use of oxyfuel cutting (OFC), plasma cutting and carbon air arc gouging. For credit version of this course see MFGT 61.

362 ADVANCED WELDING

0 units, 1.5 lecture hours, 8 lab hours

PREREQUISITES: Welding Technology 361 or Manufacturing Technology 61 or equivalent course or verified work experience in the field. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers advanced welding practices using SMAW, GMAW, GTAW, and FCAW. Objectives will be completed in flat, horizontal, vertical, and overhead positions on steel, aluminum, and stainless steel. There will also be a general overview of inspection, testing and certification, and general fabrication concepts. For credit version of this course see MFGT 62.

363 WELDING CERTIFICATION PREPARATION

0 units, .5-6 lab hours, pass/no pass only, unlimited repeats

COREQUISITE: Welding Technology 361 or Manufacturing Technology 61. PREREQUISITE: Coursework equivalent to Welding Technology 361 or Manufacturing Technology 61 or verified work experience in the field.

This course provides continued practice on out-of-position welding leading to AWS certification exam procedures. Students will develop, improve, and refine welding skills through guided practice in a lab setting. For credit version of this course see MFGT 63.

377 ASSISTANCE IN WELDING

0 units, .5-6 lab hours, pass/no pass only, unlimited repeats

COREQUISITES: Manufacturing Technology 11 or 52 or 60 or 61 or 62 or 63 or Welding Technology 341 or 360 or 361 or 362 or 363 or Mechanized Agriculture 30 or 41 or 44 or 341 or enrollment in any other welding class offered at Reedley College or verified previous welding knowledge and experience or instructor permission is acceptable in lieu of concurrent class.

This course is intended for students requiring help with welding techniques. The course will provide intensive assistance in welding concepts and procedures. Students will develop, improve, and refine welding skills through guided practice in a lab setting.

WILDLAND FIRE (WLF)

10 WILDLAND FIRE-BASICS (FORMERLY NR 98)

5 units, 3.5 lecture hours, 4.5 lab hours, pass/no pass.

PREREQUISITES: Wildland Fire 10 or Natural Resources 5 and 8 and 133. ADVISORIES: Natural Resources 108 or 109 or 110 or 115 or 116 and English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

The Wildland Fire School Fundamentals course is a rigorous work simulation program that trains students for the wildland fire suppression and fuels reduction service. Students who complete the Wildland Fire School Fundamentals will be fully qualified to fill the position as a Federal wildland firefighter under the National Wildland Fire Coordinating Group (NWCG) Standards. This program's training approach is rooted in its field-based lessons where the students are first trained in the classroom then are prepared in the wildland environment that mimics fire-based scenarios and proficiency drills. 60-70 percent of the training hours will be in the field utilizing various forest and timberland environments as well as cooperative local agency projects. The Wildland Fire School Fundamentals is targeted for students who are interested in pursuing jobs in the field of wildland fire suppression and fuels management. This course is the pathway foundation for Career Technical Education training and degree programs specializing in wildland fire suppression and fuels management under the Natural Resource land management agencies. (A, CSU)

11 WILDLAND FIRE SCHOOL FUNDAMENTALS (FORMERLY NR-97)

14 units, 11 lecture hours, 9 lab hours.

PREREQUISITES: Wildland Fire 10 or Natural Resources 5 and 8 and 133. ADVISORIES: Natural Resources 108 or 109 or 110 or 115 or 116 and English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

The Wildland Fire School Fundamentals course is a rigorous work simulation program that trains students for the wildland fire suppression and fuels reduction service. Students who complete the Wildland Fire School Fundamentals will be fully qualified to fill the position as a Federal wildland firefighter under the National Wildland Fire Coordinating Group (NWCG) Standards. This program's training approach is rooted in its field-based lessons where the students are first trained in the classroom then are prepared in the wildland environment that mimics fire-based scenarios and proficiency drills. 60-70 percent of the training hours will be in the field utilizing various forest and timberland environments as well as cooperative local agency projects. The Wildland Fire School Fundamentals is targeted for students who are interested in pursuing jobs in the field of wildland fire suppression and fuels management. This course is the pathway foundation for Career Technical Education training and degree programs specializing in wildland fire suppression and fuels management under the Natural Resource land management agencies. (A, CSU)

12 WILDLAND FIRE SCHOOL-ADVANCEMENT (FORMERLY NR-96)

9 units, 8 lecture hours, 3 lab hours.

PREREQUISITES: Natural Resources 19V and Wildland Fire 11. ADVISORIES: English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

This course is designed for student who have completed the WLF-11 Wildland Fire School or equivalent and have obtained work experience in wildland fire. This Course will allow for advancement in wildland fire suppression and prescribed fire concepts, leadership development and overall knowledge base in the wildland fire service. Work Labs will be tied to agency projects which will provide students the opportunity to apply skills and leadership in a training environment. Students who complete this course will have required training and experience to competitively apply for a permanent GS-5 position with the federal fire service. This course will also provide a pathway to current and former wildland fire employees that meet the course equivalent and work experience. (A, CSU).

19V COOPERATIVE WORK EXPERIENCE - WILDLAND FIRE

1-8 units, 75 hours/unit paid employment or 60 hours/unit volunteer employment

This course is a work experience internship for wildland fire students. Students will be monitored and advised through this class. Documentation of work progress will be provided to the instructor by the student and the work supervisor. Students will learn specific and general career skills in preparation for more advanced responsibilities upon completion of the educational program. The student must be employed or serving as a volunteer with an entity which is approved by the instructor. Employer must agree to participate in this internship, provide appropriate skills instruction and supervision, and submit a performance evaluation to the college. Students may enroll for a maximum of 8 units per semester. Students earn units using the following formula: 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units in work experience of which only 6 may be in COTR 19G. Note: Repetition of Cooperative Work Experience courses is allowable under Title 5, §55253. (A, CSU)

20 INTEGRATED FUELS MANAGEMENT (FORMERLY NR-95)

9 units, 8 lecture hours, 3 lab hours.

PREREQUISITES: Natural Resources 5, 8, and 133; or Wildland Fire 10. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience. ADVISORIES: Natural Resources 108, 109, 110, 115, 116; English 1A or 1AH.

This Course will allow for advancement in wildland fire fuels and prescribed fire concepts, leadership development and overall knowledge base in hazardous wildland fire fuels management. Work Labs will be tied to agency projects which will provide students the opportunity to apply skills and leadership in a training environment. Students who complete this course will have required training and experience to competitively apply for state, federal and private fuels management occupations. This course will also provide a pathway to current and former wildland fire employees that meet the course equivalent and work experience. (A, CSU)

21 FUELS AND PRESCRIBED FIRE APPLICATIONS

9 units, 8 lecture hours, 3 lab hours.

PREREQUISITES: Wildland Fire 19V and 11. ADVISORIES: English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

This course is designed for students who have completed the WLF-11 Wildland Fire School or equivalent and have obtained work experience in wildland fire. This Course will allow for knowledge and skill advancement in the application of fuels management tactics and prescribed fire concepts. This course is a guided work study program where students will be mobilized to achieve accomplishments on actual local agency and industry projects. Through actual on the ground fuels and prescribed fire projects, as initiated by industry partners, students will perform as fuels and prescribed fire crewmembers, they will apply knowledge and skills and abilities to achieve on the ground forest management objectives. Students will gain an understanding of agencies policies, project go no go criteria, burn plan implementation and organizational leadership development. Work Labs will be tied to agency projects which will provide students the opportunity to apply skills and leadership in a training environment. Students who complete this course will have required training and experience to competitively progress as a prescribed fire crewmember with the federal fire and state fire service. This course will also provide a pathway to current and former wildland fire employees that meet the course equivalent and work experience. (A, CSU)

108 INTRODUCTION TO WILDLAND FIRE FIELD STUDIES

.5 units, .23 lecture hours, 1 lab hour

ADVISORIES: English 1A or 1AH.

This is a practical field course to introduce the student to a scenario-based wildland fire experience. Students will be exposed to real world challenges, expectations, and will be required to apply skill and knowledge from previous semester's coursework. Taught at the school forest or other field setting. Field trip is required for this course. (A)

110 WILDLAND FIRE FIELD STUDIES II

.5 units, .23 lecture hours, 1 lab hour

ADVISORIES: English 1A or 1AH.

This practical field course continues the scenario-based wildland fire experience. Students will be exposed to more advanced real world challenges, expectations, and will be required to apply skill and knowledge from previous semester's coursework. Taught at the school forest or other field setting. Field trip is required for this course. (A)

111 S-211 PORTABLE PUMPS AND WATER USE (FORMERLY NR-151)

1 unit, 1 lecture hour, pass/no pass

ADVISORIES: English 1A or 1AH.

This course covers principles of positive displacement pumps but focuses on the Wajax-Pacific Mark III Pump which is primarily used by the National Fire Equipment System. Instruction emphasizes effective and efficient utilization of portable pumps and water under field conditions. (A)

112 S-212 WILDLAND FIRE CHAINSAWS (FORMERLY NR-155)

1.5 units, 1.34 lecture hours, .5 lab hour, pass/no pass

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a Firefighter Type 2 (FFT2) and satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

The course provides introduction to the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw and provide hands-on cutting experience in surroundings similar to fireline situations. This course is targeted for individuals desiring to be qualified as Basic Faller (FAL3), Firefighter Type 1 (FFT1), Incident Commander Type 5 (ICT5), or Felling Boss, Single Resource (FELB) under the National Wildfire Coordinating Group qualification system. (A)

119 S-219 FIRING OPERATIONS (FORMERLY NR-154)

1 unit, 1.12 lecture hours, .23 lab hour, pass/no pass

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a firefighter type 2 (FFT2). ADVISORIES: English 1A or 1AH.

The course introduces the roles and responsibilities of a Firing Boss, Single Resource (FIRB), and outlines duties of other personnel who may engage firing operations. The course discusses and illustrates common firing devices and techniques. The course provides students with important information regarding general tasks required to be successful. When feasible this course will demonstrate to students a real ignition or demonstrate the use of an actual firing device will assist in transferring these new concepts and skills to the job. There is an optional field day outlined in the course, it is the discretion of the delivery unit to include the field day. (A)

120 INCIDENT COMMAND SYSTEM 200 (FORMERLY NR-150)

1 unit, 1 lecture hour, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). This course focuses on the management of single resources. (A)

122 RX-310, INTRODUCTION TO FIRE EFFECTS

2 units, 2 lecture hours

LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience. ADVISORIES: English 1A or 1AH.

This course is designed to provide students with the knowledge and skills necessary to recognize and communicate the relationships between basic fire regimes and fire effects, the effects of fire treatments on fire effects, and to manipulate fire treatments to achieve desired fire effects. (A)

130 S-230 CREW BOSS (SINGLE RESOURCE) (FORMERLY NR-157)

1.5 units, 1.5 lecture hours, pass/no pass

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as Firefighter Type 1 (FFT1) and successful completion of Intermediate Wildland Fire Behavior (S-290) with satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

Crew Boss (Single Resource), S-230 is a course designed to meet the training needs of a crew boss on a wildland fire incident. The purpose is to provide fire suppression trainees with the skills/knowledge required to perform tasks listed in National Wildfire Coordinating Group Single Resource Boss. (A)

131 S-131 WILDLAND FIREFIGHTER TYPE 1 (FORMERLY NR-153)

.5 unit, .67 lecture hours, pass/no pass

LIMITATION ON ENROLLMENT: Students must be qualified as a National Wildfire Coordinating Group (NWCG), Fire Fighter Type 2 (FFT-). ADVISORIES: English 1A or 1AH.

This course is targeted for personnel desiring to be qualified as a Firefighter Type 1 (FFT-1) and or Incident Commander Type 5 (ICT5) in the Federal fire service. Course content will cover what is required to meet the training needs of the NWCG Firefighter Type 1 and or Incident Commander Type 5. Topics include operational leadership, communications, Look-outs/ Communications/Escape routes/Safety Zones and tactical decision making. This course contains class discussion and several tactical decision games designed to facilitate learning the objectives. Upon completion, students must then take and pass a final assessment to receive credit for the course. (A)

132 S-231 ENGINE BOSS (FORMERLY NR-158)

.5 unit, .9 lecture hour, pass/no pass

LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as a Firefighter Type 1 (FFT1) and successful completion of S-230, Crew Boss (Single Resource) (CRWB). ADVISORIES: English 1A or 1AH.

This course is suggested training for the position of Single Resource Boss. Upon completion students will be able to perform Engine Boss tasks and make tactical decisions required to safely manage an engine and the associated personnel on an incident. (A)

135 RT-130 WILDLAND FIRE TOPICS - SAFETY TRAINING (FORMERLY NR-152)

1.5 units, 1.56 lecture hours, .45 lab hour, pass/no pass

ADVISORIES: English 1A or 1AH.

The Wildland Fire Topics course provides a range of training options to meet National Wildfire Coordinating Group (NWCG) position training requirements and agency specific course hours requirements. This course will focus on operations and decision-making issues related to fireline and all hazard incident safety in order to recognize and mitigate risk, maintain safe and effective practices, and reduce accidents and near misses. (A)

136 S-236 HEAVY EQUIPMENT BOSS (FORMERLY NR-159)

1 unit, 1.12 lecture hours, .23 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to meet the training needs of a Heavy Equipment Boss, Single Resource (HEQB) on an incident as outlined in the National Incident Management System: Wildland Fire Qualification System Guide, PMS 310-1, and the position task book developed for the position. The target group for this course is personnel desiring to be qualified as Heavy Equipment Boss, Single Resource (HEQB). Primary considerations are tactical use and safety precautions required to establish and maintain an effective dozer operation. A field exercise is required as part of the course. LIMITATION ON ENROLLMENT: National Wildfire Coordinating Group (NWCG) qualified as Firefighter Type 1 (FFT1) and satisfactory completion of pre-course work. (A)

161 EMT-EMERGENCY MEDICAL TECHNICIAN (FORMERLY NR-161)

6.5 units, 5.5 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is an introduction to the basic of Emergency Medical Technician requirements: including medical and trauma skills, basic anatomy and physiology, and airway management. Students will learn to properly asses the sick and injured, as related to communicable disease and trauma. Students will learn practical skills of Basic Life Support (BLS), taking blood pressure, pulses, respiratory rates, ling sounds, complete body checks, administration of oxygen, and the use of various adjuncts to assist in the management of an injured persons airway. This course has been developed for individuals who desire to perform emergency medical care. (A)

162 M-410 FACILITATIVE INSTRUCTOR (FORMERLY NR-162)

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to help students become effective facilitative instructors. The purpose of this course is to improve training delivery and quality by presenting instructional methods with an emphasis on student-oriented adult training techniques. This course is designed for students to meet NWCG instructor requirements. LIMITATION ON ENROLLMENT: Satisfactory completion of pre-selection assessment and pre-course work. (A)

180 L-280 FOLLOWERSHIP TO LEADERSHIP (FORMERLY NR-156)

1 unit, .92 lecture hour, .25 lab hour, pass/no pass

LIMITATION ON ENROLLMENT: Experience on a wildland fire incident in operations or support functions, successful completion of L-180, Human Factors in the Wildland Fire Service and satisfactory completion of pre-course work. ADVISORIES: English 1A or 1AH.

This course is designed as a self-assessment opportunity for individuals preparing to step into a leadership role in the wildland fire service. The course combines one day of classroom instruction followed by a second day in the field with students working through a series of problem-solving events in small teams (Field Leadership Assessment Course). Topics include leadership values and principles, transition challenges for new leaders, situational leadership, team cohesion factors, ethical decision-making, and after-action review techniques. Some course delivery may be arduous in nature. (A)

190 S-290 INTERMEDIATE FIRE BEHAVIOR (FORMERLY NR-160)

2 units, 2 lecture hours, pass/no pass

ADVISORIES: English 1A or 1AH.

This course is designed to prepare the prospective fireline supervisor to undertake safe and effective fire management operations. It serves to develop fire behavior prediction knowledge and skills. Fire environment differences are discussed as necessary; instructor should stress local conditions. (A)

312 WILDLAND FIRE SCHOOL ADVANCEMENT

0 units, 8 lecture hours, 3 lab hours, pass/no pass only, unlimited repeats.

PREREQUISITES: Natural Resources 19V and 397. ADVISORIES: English 1A or 1AH. LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience.

This course is designed for student who have completed the NR-97 Wildland Fire School or equivalent and have obtained work experience in wildland fire. This Course will allow for advancement in wildland fire suppression and prescribed fire concepts, leadership development and overall knowledge base in the wildland fire service. Work Labs will be tied to agency projects which will provide students the opportunity to apply skills and leadership in a training environment. Students who complete this course will have required training and experience to competitively apply for a permanent GS-5 position with the federal fire service. This course will also provide a pathway to current and former wildland fire employees that meet the course equivalent and work experience.

322 RX-310, INTRODUCTION TO FIRE EFFECTS

0 units, 2 lecture hours, pass/no pass only, unlimited repeats

LIMITATION ON ENROLLMENT: Successful completion of federal work capacity test within two calendar years. Incoming students may enroll based off equivalency course completion and extensive work experience. ADVISORIES: English 1A or 1AH.

This course is designed to provide students with the knowledge and skills necessary to recognize and communicate the relationships between basic fire regimes and fire effects, the effects of fire treatments on fire effects, and to manipulate fire treatments to achieve desired fire effects.

Special Areas of Study

English as a Second Language (ESL)

The ESL program is designed for students whose native language is not English. The program assists students to acquire the necessary English language skills to succeed in AA/AS degree programs, vocational programs and university transfer courses offered at Reedley College.

PLACEMENT

Pursuant to Education Code §78213, students have the right to access transfer-level coursework in English or credit or noncredit ESL. Students can choose to complete the Reedley College ESL Guided Self-Placement and select their ESL course level. Students should meet with a counselor to discuss the placement and enroll in appropriate courses.

Evening Classes

The purpose of evening classes is to assist students to develop vocationally, to prepare students for employment, to satisfy requirements for a college degree and/or transfer, and to provide opportunity for cultural enrichment. Course content, time necessary for preparation of assignments, textbooks, attendance and regulations parallel day class requirements.

Students in an evening program register for college credit. They must assume the responsibilities of attending classes regularly and of spending adequate time outside the classroom for preparation.

Pete P. Peters Honors Program

High-achieving students are encouraged to apply for admission to the Reedley College Pete P. Peters Honors Program. The Honors Program Advisory Committee reviews applications, interviews candidates and recommends the students who are to be accepted into the Honors Program. The following admissions requirements are considered in determining acceptance into the Honors Program:

- GPA of 3.0 or higher and
- Scores of at least 500 on each section of the SAT or a composite score of 26 on the ACT and
- Eligibility for English 1A

For details regarding the Honor's Program, please refer to page 33 in this catalog or consult with the Honors Program Director by calling (559) 494-3000 extension 3108.

College Personnel

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President Dr. Jerry Buckley
Vice President of Instruction Dale van Dam
Vice President of Student Services vacant
Vice President of Administrative Services Melanie Highfill
Dean, Agriculture & Natural Resources, Business, Industrial Technology, and Work Experience David Clark
Dean, English, Communication & Languages, and Fine Arts & Social Science Dr. Todd Davis
Dean, STEM, Health Sciences and Athletics Juan Bedolla
Dean, Student Services Shannon Solis
Dean, Student Success and Achievement Dr. Natalie Culver-Dockins

Reedley College Department Chairs

Agriculture & Natural Resources Nicholas Deftereos
Business Daniel Morales
English Carey Karle
Counseling Ruby Marin-Duran
Fine Arts, Social and Behavioral Sciences Bryan Tellalian
Industrial Technology Jason Asman
Health & Physical Education Richard Jennings
Early Childhood Education, Dental Assisting, Education, Health Care Interpreter, & Nursing Assistant Training Marcy Davidson
Communication and Languages Franchesca Amezola
Math, Computer Science, Engineering Walid Tayar
Science & Geography Whitney Menefee

Reedley College Services Personnel

Assistant Residence Hall Manager vacant
Building Services Manager Greg Anello
Business Office Manager Ralph Marrufo
Coordinator, CalWORKs Eve Castellanos
Coordinator, Matriculation/Outreach Samara Trimble
Coordinator, Student Health Kelly Murguia
Counselor, Transfer/Articulation David Shoemaker
Director of Athletics and Student Athlete Success Dr. David Santesteban
Director of College Relations and Outreach vacant
Director, Disabled Students Programs and Services Dr. Samuel Morgan
Director, Grant Funded Programs vacant
Director of Student Success and EOP&S vacant
Director of Institutional Research, Evaluation and Planning Janice Offenbach
Director of Marketing and Communications George Takata
District Police Jose Flores
Librarians Stephanie Curry, Allison Kenyon
Manager, Admissions and Records Monique Garza
Manager, Financial Aid Christina Cazares
Residence Hall Supervisor Lisa McAndrews
Student Activities Coordinator Daniel Kilbert
Tutorial Services Coordinator Jim Mulligan

Emeritus Faculty

ALIRE, WILIFRED L.
1972 - 2015
Librarian

ARIFUKU, FRED
1970 - 1993
Aviation Maintenance Technology

ATENCIO, DAVID
2007- 2018
Information Systems

AXTELL, J. DEWEY
1969 - 1979
Agriculture

AVAKIAN, ALAN B
1984 - 2018
Foods and Nutrition

AVEDISIAN, LOUISE
1961 - 1999
Speech, Drama

BARKLEY, JERRY G.
1976 - 1998
Associate Dean, Vocational Education

BEHRINGER, MARILYN
2010 - 2012
Vice President of Instruction

BEMIS, WAYNE A.
1976 - 2001
Natural Resources

BERRY, DONNA
2011- 2020
Vice President of
Administrative Services

BLACKWELDER, GENE
1989 - 2007
Vice President of
Administrative Services

BOROFKA, DAVID
1986 - 2019
English

BOWIE, SYDNEY
1980 - 2008
English

BRISTOW, ROBERT
1954 - 1984
Agriculture

BRUMBAUGH, MADELINE
1962 - 1968
Home Economics

BRYANT, RUTH I.
1962 - 1977
English

CALDERA, AUGIE
1980 - 2012
Counseling

CAMARA, VICTORIA T.
1979 - 2012
Disabled Students Programs
and Services

CANNELL, ROBERT L.
1978 - 2011
Forestry/Natural Resources

CEKOLA, CHARLES J.
1976 - 2003
Counseling

CHARTERS, MOIRE C.
1958 - 1997
Associate Dean,
Admissions and Records

CHIN, JAMES
1990 - 2016
Dean of Instruction, Madera

CLARK, ROBERT
1964 - 1982
Counseling

CLARKSON, ELRAY
1975 - 2005
Criminal Justice

COMER, LARRY L.
1970 - 1999
Business

COONEY, JIM
1969 - 1984
Reading

DEKKER, JAN
1992 - 2017
Vice President of Instruction

DELGADO, RUBEN
1998 - 2011
Reading

DRY, LLOYD C.
1963 - 2001
Librarian

DURLEY, W. LAIRD
1989 - 2009
Philosophy

EASTMAN, ROGER
1958 - 1989
Philosophy, English

ELIZONDO, ROSEMARIE
1994 - 2019
Biology

ESTER, KEN
1956 - 1984
Counseling

EVANS, EUGENE B.
1976 - 2005
Industrial Technology

FITZPATRICK, E. MAURICE
1964 - 1995
Health Education, Physical Education

FLORA, GLENN I.
1965 - 1979
Geography

FOLETTA, S.A.
1978 - 2006
Biology

FOLEY, HARRISON
1954 - 1984
Business

FRISCH, MARILYN
1998 - 2013
Child Development

GARRIGUS, RICHMOND
1989 - 2007
English

GARZA, IRENIO "NINO"
2007 - 2022
Automotive Technology

GENERA, MARK RANDOLPH
1989 - 2021
History

GERSTENBERG, REINHOLD H.
1970 - 1997
Natural Resources

GLYNN, JAMES
1998 - 2002
Sociology

GONZALES, MARIO
1997 - 2023
Director of EOPS/CARE

GRAY, DEAN
2009 - 2017
Accounting

GUSTAFSON, SHIRLEY
1966 - 1994
Physical Education

GUZMAN, RUDY
1994 - 2019
Automotive Technology

HACKER, JR. JACKSON B
1980 - 2015
Physical Education

HAGEMAN, EDRO D.
1969 - 1989
Social Science

HAIR, PATRICIA
1981 - 1989
Developmental Skills Coordinator

HALL, DOROTHY
1970 - 1984
Counseling

HALLER, ROBERT
1997 - 2008
Business

HARRIS, RAYMOND
1970 - 1984
Business

HIGDON, BETTY E.
1966 - 1996
English

HILL, NORMAN
1970 - 1993
Chemistry

HIOCO, BARBARA
1970 - 2011
President

HOFFMAN, RICHARD H.
1969 - 2005
Speech, Oakhurst Center
Coordinator

HUGHES, KEITH
1988 - 2015
Mathematics

HUTCHINGS, LeGENE B.
1966 - 1990
Associate Dean, Humanities
and Social Science,
Instructor in Music & Speech

JACKSON, PATRICIA
2001-2016
College Nurse

JANZEN, FRANCIS
1980 - 1992
Automotive Technology

JEFFERIES, SHANNON
1996 - 2018
Physical Education,
Volleyball Coach

JETER, ALICE M.
1973 - 1997
Dental Assisting

JEWELL, ANTHONY G.
1975 - 2007
Automotive Technology

JOHNSEN, JAMES
2001 - 2008
Political Science

JOHNSON, LINDSAY C.
1987 - 2003
Director, OASIS & Other
Support Services

JONES, STEVEN
1999 - 2023
Counseling

KANAWYER, WILLIAM
1992 - 2005
Aviation Maintenance Technology

KASAI, AMY EMI
1964 - 1989
Art

KASER, NORMA
2000 - 2017
English

KASER, PAUL W.
1976 - 2008
English

KEEFE, THOMAS
1967 - 1995
Psychology

KELLAM, BECKY
1984 - 2010
Business, Office Technology

KERSHAW, TERRY (1976)
1976 - 2012
Campus President,
Willow International Center

KINNEY, KENT
2001 - 2021
Natural Resources

KINZEL, LEROY
1971 - 2003
Aviation Maintenance
Technology

KUBALL, CURT
1973 - 2010
Criminal Justice

LAPP, DEBORAH
1995-2020
English

LARSEN, NORBERT W.
1965 - 1992
Geology, Mathematics

LAWRENCE, TERRY
1980 - 1991
Dental Assisting

LEDFORD, JAMES R.
1957 - 1989
Mathematics, Physics

LEHMAN, ROBERT J.
1953 - 1977
Health, Physical Education

LEONE, DON
1964 - 1998
Physical Education

LOCK, ROBERT G.
1967 - 1998
Aviation Maintenance Technology

LOYA, RALPH R.
1976 - 2005
Animal Science

MAIN, TERRI
1990 - 2012
Communication

MARQUEZ, BERNARD
2006 - 2016
Biology

MASCOLA, FRANK
1977 - 2014
CalWORKs Coordinator

MASTERSON, CRISTINA
1974 - 2008
Dean of Students, North Centers

MASTERSON, RICHARD GARRETT
2005 - 2016
Art

MCCAIN, CAROL
1984 - 2008
Business

McKITTRICK, DONNA
1958 - 1992
Physical Education

METER, FELISA
1990 - 2015
English as a Second Language

MOLINA, ALBERT
1959 - 1990
Mathematics, Physics

MOUSSEAU, DEDE
1997 - 2014
English, French

MULLALY, MARTHA H.
1965 - 1976
English

NISHINAKA, RONALD H.
1971 - 2008
Environmental Horticulture

NOVATNE, LAUREN
2001 - 2021
Physics

O'BRIEN, JOHN R.
1968 - 1999
Art

OGAWA, GLENN
1984 - 2013
Automotive Technology

OLSON, KAREY J.
1969- 2001
Child Development

ORTIZ, MARIA
1990-2019
Mathematics

PAPOUTSIS, MARIE A.
1988- 2014
Counseling, EOPS

PARENTO, LOIS M.
1997- 2022
Dental Assisting

PERKINS, JOHN
1970 - 1994
Athletic Director, Physical Education

REGIER, THOMAS WAYNE
1976 - 2007
Aviation Maintenance Technology

REITHER, LINDA
2002 - 2022
Disabled Students Programs and Services

RICHEY, DAVID
2007 - 2019
Aviation Maintenance Technology

RODRIGUEZ, FATIMA
2001 - 2022
Sociology

RODRIGUEZ, JUAN
2017 - 2022
Mechanized Agriculture

RODRIGUEZ, SAMUEL
2016 - 2022
Agriculture Business

ROUCH, ELAINE F.
1967 - 1978
Associate Dean, Housing & Student Activities

RUSSO, JOE R.
1969 - 2002
Associate Dean of Instruction

SAMUELIAN, LYNN
1975 - 2012
Director, Disabled Students Programs and Services

SANDOVAL, EVERETT M.
1999 - 2019
Information Systems

SCHEIDT, JUDI
1998 - 2007
Child Development

SCHWARTZ, LESA
2001 - 2014
English

SEYMOUR, HAROLD L.
2000 - 2017
Psychology

SKOGSBERG, CLARK D.
1967 - 2002
Music

SNYDER, COLLEEN
1989 - 2021
Music

SOUZA, THERESA
2008 - 2015
Nursing Program Coordinator

SPITTLE, REG
2001 - 2012
Political Science

STUDEBAKER, STEVEN J.
1981 - 2005
Industrial Technology

SZPOR, SUE
1974 - 2001
College Nurse

TAKACS, ROBERT
1982 - 2008
Aviation Maintenance Technology

TIDYMAN-JONES, LAURIE
2002 - 2018
Counseling

TROEHLER, DAVID F.
1965 - 1992
Aviation Maintenance Technology

TYNER, THOMAS
1972 - 2003
English

UNDERWOOD, FRANCINE W.
1997 - 2018
Office Technology

VAN WYHE, MICHAEL G.
1981 - 2016
English

WARMERDAM, BARRY
1984 - 2014
Geography

WATTS, MARV
1991 - 2015
Mathematics

WENN, LOIS M.
1963 - 1978
Dental Assisting

WENTER, GARY
1999 - 2020
Mechanized Agriculture

WEST, BUD
1984 - 2007
Agriculture

WHITED, RANDY
1990 - 2016
Physical Education, Head Football Coach

WU, SHARON W.
1997 - 2019
Computer Science, Mathematics

YANDELL, LaVERNE
1964 - 1984
Business

YARBROUGH, EWA
1996 - 2009
English

YOUNG, SUSAN
1999 - 2007
Counselor

ZECH, KENNETH
1980 - 2013
Tutorial Services

ZIELKE, KEiTH
2003 - 2022
Aviation Maintenance Technology

ZIGLER, JANICE M.
1988 - 2018
English

Faculty and Administration

Numbers in parenthesis indicate year of appointment at Reedley College.

AFFELDT, MELISSA (2013)
Disabled Students Programs & Services Counselor/Coordinator (WAIII)
B.S., M.S., California State University, Fresno

AGUIRRE, SARA (1979)
Spanish
B.A., University of San Francisco
M.A., California State University, Fresno

AL HAIDER, REBECCA (2015)
English as a Second Language
B.A., M.A., California State University, Fresno

AMEZOLA, FRANCHESCA (1999)
Spanish, French
B.A., M.A., California State University, Fresno

ANDRADE-ROMEO, MARIA (2017)
Mathematics
B.S., University of California, Davis
M.A., California State University, Fresno

APPERSON, EILEEN (2001)
English
A.A., Kings River Community College
B.A., M.A., M.F.A., California State University, Fresno

ASMAN, JASON (2008)
Aviation Maintenance Technology
A.S., Reedley College
B.S., Eastern New Mexico State University

BEDOLLA, JUAN (2020)
Dean of Instruction
B.S., M.S., California State University, Fresno
M.S., California State University, Long Beach

BLANKEN, HIRAM W. (2008)
Chemistry
B.S., M.S., California State University, Fresno

BOROFKA, DEB EVERSON (2015)
Coordinator, Reading/Writing Center
B.S. Lewis and Clark College
M.S. University of Alabama
M.A., PhD Pacifica Graduate Institute

BOS, CASE (1996)
Counseling
B.A., Calvin College, Michigan
M.S., California State University, Long Beach

BOYER, JASON (2018)
Information Systems
B.A., Columbia College
M.B.A., University of Phoenix

BUCKLEY, JERRY (2019)
President
B.S., University of Southern California
M.A., California State University, Fullerton
Ed.D., San Diego State University

BULDO, VANESSA(2014)
Communication
B.A., M.A., California State University, Fresno

BUSH, BETHANY (2005)
Biology
B.A., Principia College
M.A., University of California, Santa Barbara

CALHOUN, ASHLEY (2011)
Disabled Students Programs & Services Counselor/ Coordinator (SSS)
B.A., M.S., California State University, Fresno

CARRERA, TRACY (2016)
Art
B.F.A., Utah State University, Logan, UT
M.F.A., Utah State University, Logan, UT

CARVALHO COOLEY, LINDA (2007)
Communication
B.A., M.A., California State University, Fresno
Ed.D, Brandman University

CASTEEL, KELSEY (2017)
Mathematics
B.A., M.A., California State University, Fresno

CHANG, DARREL (2022)
Mechanized Agriculture
A.S., Reedley College
B.S., University of Colorado, Colorado Springs

CLARK, DAVID (1989)
Dean of Instruction
A.S., West Hills College
B.S., M.S., California Polytechnic State University, San Luis Obispo

COBB, AAREN (2016)
Counselor/Coordinator
B.A., M.S., Ed.D., California State University, Fresno

COLLINS, KIRSTINA (2020)
Music
B.M., University of Southern California
M.M., Boston University
DMA, University of South Carolina

CONNELLY, ANYA (2019)
English
M.A., California State University, Sacramento

COOPER, NICOLE (2015)
Communication Studies
B.A., M.A., California State University, Fresno

CORNEL, VERONICA (2006)
Chemistry
B.S., M.S., University of the Witwatersrand

CREMERS, ANDREW (2022)
Wildland Fire Technology Instructor

CUDDY, ZACHARY (2021)
History
B.A., M.A., Arizona State
B.A., M.A., San Diego State

CULVER-DOCKINS, NATALIE (2020)
Dean, Student Success and Achievement
B.S., California State University Stanislaus
M.A., San Jose State University
Ed.D., California State University Fresno

CURRY, STEPHANIE (2001)
Librarian
B.A., Dominican College
M.A., Purdue University
M.L.S., Syracuse University

DAVIDSON, MARCY (2008)
Child Development
B.A., M.A., Pacific Oaks College

DAVIS, TODD (2015)
Dean of Instruction
B.A., California State University, Northridge
Ph.D., Miami University

DEFTEREOS, NICHOLAS (2008)
Mechanized Agriculture
B.S., California State University, Fresno
M.S., California Polytechnic State University

DHILLON, MANJIT (2016)
Nursing Assistant Training
A.S.N., Fresno City College

DINIS, LARRY (2008)
Mechanized Agriculture
B.S., California State University, Fresno
M.S., California Polytechnic State University, San Luis Obispo

DIX, TIFFANY (2021)
Office Technology
A.A., Reedley College

DOMINGUEZ, DAVID (2001)
English
B.A., University of California, Irvine
M.F.A., University of Arizona

EMERLING, CHRISTOPHER (2020)
Biology
B.S., University of California, Santa Barbara
Ph.D., University of California, Riverside

ENSZ, TONI S. (2008)
Office Technology
B.S., California State University, Fresno

ESCUTIA, SAMUEL (2021)
Wildland Fire Technology
A.S., Reedley College

EUBANKS, AARON (2019)
Career, Transfer and Transitions Counselor/Coordinator
B.S., M.S., California State University, Fresno

FARIA, ARTHUR (2022)
Mechanized Agriculture
B.S., California State University Fresno
M.A.E., California Polytechnic University San Luis Obispo

FRANCIS, ONESTA (2019)
Physical Education, Women's Soccer Coach
B.A., UC Berkeley
M.A., National University
M.A., Concordia University, Irvine

FRANSEN, ROBERT (2005)
Manufacturing Technology
A.S., Texas State Technical Institute
B.S., California State University, Chico

FUENTES, SANDRA
Director, Student Success Program
A.A., Fresno City College
B.S., M.S., California State University, Fresno
Ed.D., University of the Pacific, Stockton

GARABEDIAN, DEANNA (2019)
English
B.A., University of California, Berkeley
M.A., California State University, Sacramento

GARCIA, NAUN (2020)
Information Systems
B.S., California State University, Fresno

GARZA, RICARDO (2008)
English
B.A., M.F.A., California State University, Fresno

GILMORE, JAMES (1998)
Mathematics
B.A., M.A., California State University, Fresno

GOMEZ, BONITA (2019)
Career, Transfer and Transitions Coordinator
B.A., M.S., California State University, Fresno

GONG, DOUGLAS (2008)
Mathematics
B.A., M.A., California State University, Fresno

GRABER-PETERS, JENNIFER (2019)
Communication Studies
B.A., M.A., California State University, Long Beach

HARTENFELS, ROBERT (2022)
Head Football Coach/Physical Education, Kinesiology and Health Instructor
M.S., Concordia University, Chicago
B.A., Ashford University, Clinton

HEATHCOTE, JOHN (2000)
Engineering, Mathematics
B.S., Purdue University
Ph.D., University of California, Santa Barbara

HERNANDEZ, ADAM (2019)
Wildland Fire Technology
B.A., California State University, Chico
C.A. - Technical Fire Management, California State University, Humboldt

HICKS, DAVID R. (2015)
Art
B.F.A., California State University, Long Beach
M.F.A., Alfred University, New York

HUNTER, TIMOTHY (2019)
Automotive Technology Instructor
A.S., Reedley College
B.S., M.S. California State University, Fresno

JENNINGS, RICHARD (2015)
Men's Basketball Coach, Physical Education
B.A., M.S., Fresno Pacific University

JOHNSON, JOHN (2018)
Flight Science
B.S., Embry-Riddle Aeronautical University
M.S., Central Missouri State University

KARLE, CAREY (1998)
English
B.A., M.A., California State University, Fresno

KAWAGOE, KIRK (2018)
Chemistry
B.A., University of California, Santa Cruz
Ph.D., University of North Carolina, Chapel Hill

KEENAN, CHRISTINE (2021)
Music
B.A., M.A., California State University, Fresno

KEHOE, JULIE O. (2016)
Mathematics
B.A., M.A., California State University, Fresno

KENYON, ALLISON (2022)
Librarian
B.S., M.L.I.S, San Jose State University

KILBERT, DANIEL (2007)
Student Activities Coordinator, Women's Basketball Coach
B.A., CA Lutheran University
M.A., National University

LASALLE, RYAN (2005)
English
B.A., M.A., California State University, Fresno

LEVINE, LORI (2002)
English
B.A., University of California, Davis
M.A., California Polytechnic State University, San Luis Obispo

LIN, JOSEPH (2015)
Biology
B.A., University of Washington
M.S., California State University, Fresno

LIND, JOSEPH (2017)
American Sign Language
B.A., California State University, Fresno

LOCKLIN, KIM (2001)
Physical Education
B.S., M.A.T., New Mexico State University

LONG, LOUIE (2013)
Natural Resources
B.S., M.S., California State University, Fresno

LOPES, DAVID (2005)
Animal Science
B.S., M.S., California State University, Fresno

LORENZANO, ADELFA (2012)
Director, Title V
B.A., Fresno Pacific University
M.S., National University

LUQUE MONTES, JAIME (2022)
Flight Science
B.S., Aeronautical Science, Honduras Defense University
Aviation Leadership Program, USAF.

LYONS, DEBORAH (2017)
English
B.A., Whitworth University, Spokane, WA
M.A., School of Oriental and African Studies, University of London London, U.K

MACCARO, MARISA (2022)
Philosophy
M.A. Georgia State University

MARIN-DURAN, RUBY (2014)
Counseling, EOPS
B.A., California State University, Fresno
M.A., National University, Fresno

MARSH, NANCY (2004)
Child Development
A.S., Modesto Junior College
B.A., M.A., California State University, Stanislaus

MARYANOW, NATASHA (2008)
English
B.A., M.A., Pyatigorsk State Linguistic University
M.A., Carleton University

MEIER, DAVID (2009)
Economics
B.A., Stanford University
M.B.A., National University

MENEFEE, WHITNEY M. (2016)
Biology
B.A., M.S., California State University, Fresno

MOLYNEUX, DESIREE B. (2016)
Animal Science
A.S., College of the Sequoias
B.S., California State University, Fresno
M.S., California Polytechnic State University, San Luis Obispo

MORALES, DANIEL (2008)
Information Systems
B.S., University of Southern California
M.S., California State University, Los Angeles

MORGAN, SAMUEL (2017)
Director, DSPS
B.A., California State University, Fresno
M.A., National University
Doctorate, Ecclesia University of Divinity, International, Fresno

MULLIGAN, JAMES (2015)
Tutorial Center Coordinator
B.A., California State University, Fresno
M.A., Fresno Pacific University

NASALROAD, ERIC (2006)
Business Administration & Entrepreneurship
B.S., M.B.A., California State University, Fresno

NIPPOLDT, DAVID (2006)
English as a Second Language
B.A., Brooks Institute
M.A., Fresno Pacific University

OBEID, LINA (2005)
Mathematics
B.A., California State University, Fresno
M.A., Fresno Pacific University

O'CONNOR-KUBALL, KATHLEEN (1997)
Physical Education, Softball Coach
B.S., Central Michigan University
M.S., National University

ORNELAS, MICHAEL (2017)
Manufacturing Technology
A.S., College of the Sequoias
B.S.I.T, M.S.I.T., California State University, Fresno

PAUL, HEATHER (2015)
English
B.A., California State University, Fresno
M.A., Fresno Pacific University
M.A., Arizona State University

PEARSE, STEPHEN (2010)
Physical Education/Baseball Coach
B.A., San Francisco State
M.A., St. Mary's College

PEREZ, CONRAD (1997)
Mathematics
A.A., Kings River Community College
B.A., M.A., California State University, Fresno

PETERS, NATHAN (2022)
Automotive Technology
A.S., Reedley College

REIMER, REBECCA A.(2016)
Math Center Coordinator
B.A., M.A., Fresno Pacific University

REIMER, RONALD (2002)
Mathematics
B.A., M.A., Fresno Pacific University

RENTERIA, JAVIER (1999)
Counseling, Student Athlete Retention Program
A.S., Merced College
B.A., M.S., California State University, Fresno

RODRIGUEZ, KAYLA (2021)
Forestry/Natural Resources
B.S. Humboldt State University

ROSENDALE, STEPHEN (2016)
Automotive Technology
A.S., Fresno City College

SANCHEZ, RUBISELA (2021)
Child Development Instructor/Coordinator
B. A., M.A., California State University, Fresno
CTE-ECDF Teaching Credential, Fresno Pacific University

SHOEMAKER, DAVID (2022)
Counselor/Coordinator, Transfer and Articulation

SHULTS, KURT (2022)
Physics
B.S., M.S., California State University, Fresno

SILVA, SONNY (2022)
Counselor
A.A., College of the Sequoias
B.A., M.S., California State University, Fresno

SMITH, TIMOTHY E. (1996)
Plant Science
B.S., California Polytechnic State University, San Luis Obispo
M.S., California State University, Fresno
Ph.D., University of California, Davis

SNYDER, REBECCA (2009)
English
B.A., M.A., California State University, Fresno

SODERLUND, JOSHUA (2012)
Forestry/Natural Resources
A.A., Modesto Junior College
B.S., M.S., California State Polytechnic University, San Luis Obispo

SORENSEN, MICHAEL (1998)
Business Administration
B.S., California State University, Fresno
M.B.A., Cal Poly, San Luis Obispo

SORENSEN, SHELLEY (2003)
Dental Assisting
A.S., Reedley College
Registered Dental Assistant
Certified Dental Assistant
CDPMA, CRFDA

STAMPER, ELAINE (2007)
English
B.A., Cal Poly, Pomona
M.A., California State University, Los Angeles

STARK, SCOTT (2010)
Physical Education
B.A., Stanford University
M.S., St. Thomas University

STRANKMAN, ANDREW W. (2016)
Biology
B.S., M.S., California State University, Fresno

SULTANA, SIMON (2020)
Computer Science
B.S., University of Michigan
M.S., M.B.A., Wayne State University
Ph.D., Old Dominion University

SWALLOW, SUSAN R. (2014)
Child Development
B.A., M.A., California State University, Fresno

TAINTOR, AMANDA (2009)
Instructional Designer
B.S., M.A., California State University, Fresno

TAYAR, WALID (2006)
Mathematics
B.A., M.A., California State University, Fresno

TELLALIAN, BRYAN (2014)
Political Science
B.A., Political Science, University of California, Davis
B.A., Communications, University of California, Davis,
J.D., San Joaquin College of Law

TERRELL, JOHN (2005)
Psychology
B.A., California State University, Fullerton
Ph.D., Claremont Graduate University

THIESEN, KURTIS E. (2015)
Chemistry
B.A., Cal Poly, Pomona
M.A., California State University, Los Angeles

THURBER, JULIE (2011)
English
B.A., University of California, Davis
M.A., National University

TIKKANEN, DAVID (2005)
Manufacturing Technology
A.A., Kings River Community College
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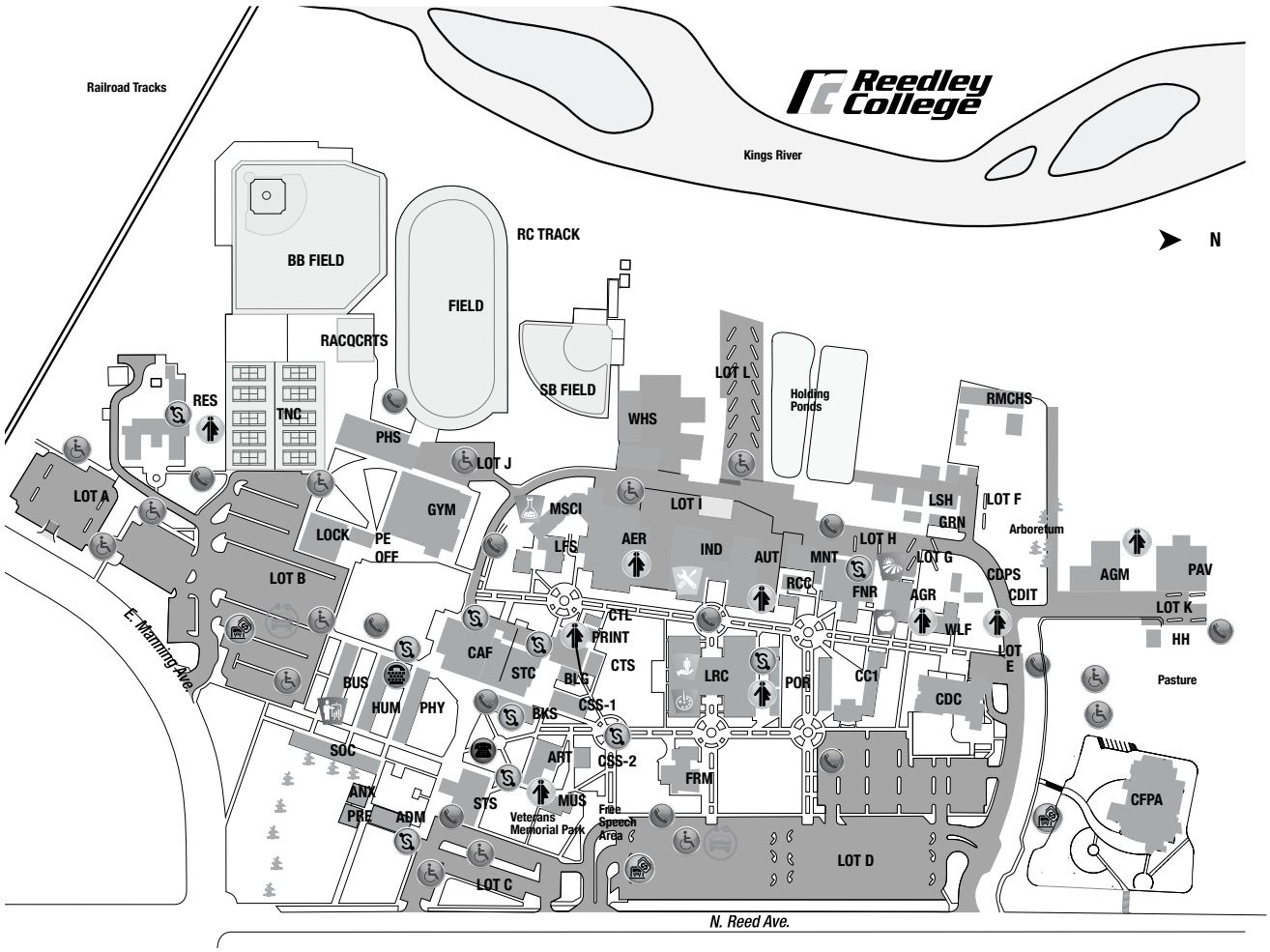

Public Telephone

Daily Parking Permit Dispenser

UbiDuo

Electric Charging Station

Accessible Parking

TDD/TTY Telephone

Emergency Telephone

Gender Neutral Restroom

PARKING: LOTS A-L

PARKING LOTS C, F, G, I, & J: Staff Only

GUIDED PATHWAYS HUBS

- Agriculture & Natural Resources
- Art, Music, & English
- Business
- Early Childhood & Education
- Industrial Technology & Manufacturing
- Science, Technology, Engineering & Math
- Social Sciences

ADM	Administration
AER	Aeronautics
AGR	Agriculture
ANX	Annex
ART	Art Center
AGM	Ag Mechanics
AUT	Automotive
BB FIELD	Baseball Field
BKS	Bookstore
BLG	Building Services • Receiving
BUS	Business Education • Entrepreneurship Center
CAF	Cafeteria
CC1	Classroom Complex One
CDC	Child Development Center
CDIT	Child Development Infant & Toddler Lab
CDPS	Child Development Preschool Lab
CFPA	Center for Fine and Performing Arts
CSS-1	Center for Student Success-1 • EOPS/NEXTUP/CARE • Student Support Services (SSS)
CSS-2	Center for Student Success-2 • CalWORKs • College Relations & Outreach • Upward Bound
CTL	Computer Technology Lab
CTS	College Technology Services
FB FIELD	Football Field
FNR	Forestry & Natural Resources • Career and Employment Center • Transfer Center
FRM	Forum
GRN 1-2	Greenhouses
GYM	Gymnasium
HH	Herdsman Housing
HUM	Humanities • Disabled Students Programs & Services (DSPS)
IND	Industrial Technology
LFS	Life Science
LOCK	Locker Rooms
LRC	Library • Learning Center • Reading & Writing Center
LSH	Landscape Horticulture
MNT	Maintenance
MSCI	Math and Sciences • Chemistry • Dental Assisting • Math Study Center • Nursing
MUS	Music
PAV	Animal Science Pavilion
PHS	Physical Education
PE OFF	Physical Education Offices
PHY	Physical Science
POR	Portable Classrooms • Monte Vista (Portable 1) • KCUSD Adult Transition Program (Portable 2)
PRE	President's Office
PRINT	Printing Services
RACQCRTS	Racquetball Courts
RCC	Reedley Certification Center
RC TRACK	Track
RES	Residence Hall
RMCHS	Reedley Middle College High School
SB FIELD	Softball Field
SOC	Social Science • Communication Lab
STC	Student Center • Food Pantry • Student Activities Office • Student Lounge • Veteran's Center
STS	Student Services • Admissions & Records • Business Services • Counseling • Financial Aid • Health Services • Welcome Center
TNC	Tennis Courts
WHS	Warehouse
WLF	Wildland Fire

www.reedleycollege.edu

Reedley College

995 North Reed Avenue, Reedley, CA 93654
(559) 494-3000 • www.reedleycollege.edu

State Center Community College District

Reedley College complies with all federal and state rules and regulations and does not discriminate on the basis of race, color, national origin, gender, disability, sexual orientation, religion or age. This holds true for all students who are interested in participating in educational programs and/or extracurricular school activities. Harassment of any employee/student with regard to race, color, national origin, gender, disability, sexual orientation, religion or age is strictly prohibited. Limited English speaking skills will not be a barrier at Reedley College to participation in Vocational Education programs. Inquiries regarding compliance and/or grievance procedures may be directed to the college's Title IX Officer.